جامعة أم القرى
UMM AL-QURA UNIVERSITY

College of Engineering and Architecture
Department of Architecture

1447

Bachelor of

ARCHITECTURE AND PLANNING PROGRAM

Plan 47

Architecture
Urban Design
Urban Planning

برنامج بكالوريوس العمارة والتخطيط

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1 Program

Curriculum

برنامج العمارة والتخطيط - مسار العمارة

Architecture and Planning Program – Architecture Track

1

الفصل الدراسي الأول

5	استوديو مبادئ التشكيل المعماري Architectural Formation Principles Studio ARC 1101	2	الرسم المعماري Architectural Drawing ARC 1102	2	طرق وعمليات التصميم Design Process and Methods ARC 1000	2	عمارة الحضارات القديمة والعصور الوسطى Ancient Civilizations and Medieval Architecture ARC 1201	2	التفكير التصميمي Design Thinking IND1101	3	لغة انجليزية (١) English Language 1 ELIN1301	2	تجويد القرآن الكريم The Holy Quran Tajweed QR1101	18

الفصل الدراسي الثاني

5	استوديو مبادئ التصميم المعماري Fundamental Design Principles Studio ARC 1001	3	دراسات بصرية Visual Studies ARC 1103	2	الرسم ثنائي الأبعاد بالحاسب الآلي Vector-based Drawing ARC 1104	3	استوديو المجسمات المعمارية Architectural Models Studio ARC 1105	3	لغة انجليزية (٢) English Language 2 ELIN1302		مهارات جامعية University Skills CUR1101	2	حفظ القرآن الكريم ١ The Holy Quran Memorization 1 QR2102	18

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الفصل الدراسي الأول

5	استوديو تصميم مباني عامة صغيرة Small Public Buildings Design Studio ARC 2002	2	استوديو بناء وتشييد (١) Building Construction Studio 1 ARC 2301	3	النمذجة ثلاثية الأبعاد بالحاسب الآلي 3D Modeling ARC 2106	2	معايير تصميم المباني (١) Buildings Design Standards 1 ARC 2010	2	نظم التحكم البيئي Environmental Control Systems ARC 2307	2	مقدمة في الذكاء الاصطناعي Introduction to Artificial Intelligence AI2001	2	حفظ القرآن الكريم ٢ The Holy Quran Memorization 2 QR2103	18

الفصل الدراسي الثاني

5	استوديو تصميم العمارة المحلية Vernacular Architecture Design Studio ARC 2003	2	استوديو بناء وتشييد (٢) Building Construction Studio 2 ARC 2302	2	مبادئ التصميم الحضري Principles of Urban Design ARC 2401	2	عمارة الحضارة الإسلامية Architecture of Islamic Civilization ARC 2202	3	مبادئ تنسيق المواقع Principles of Landscape Architecture ARC 2402	2	القيم والأخلاق Values and Ethics ICC1201	2	ختم القرآن الكريم Completion of the Holy Quran QR3104	18

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الفصل الدراسي الأول

5	استوديو التصميم المستدام Sustainable Design Studio ARC 3004	2	استوديو بناء وتشييد (٣) Building Construction Studio 3 ARC 3303	3	استوديو مقدمة في التصميم الحضري Introduction to Urban Design Studio ARC 3403	2	عمارة عصر النهضة وما قبل الحداثة Renaissance and Pre-modern Architecture ARC 3203	2	مبادئ التخطيط العمراني Principles of Urban Planning ARC 3404	2	الإسكان Housing ARC 3405	2	اختياري عام General Elective x	18

الفصل الدراسي الثاني

5	استوديو تصميم مباني البحور الواسعة Long-Span Buildings Design Studio ARC 3005	2	استوديو بناء وتشييد (٤) Building Construction Studio 4 ARC 3304	2	أسس البحث العلمي المعماري Architectural Research Methods ARC 3206	2	عمارة القرن العشرين والعمارة المعاصرة 20th Century and Contemporary Architecture ARC 3204	3	استوديو مقدمة في التخطيط العمراني Introduction to Urban Planning Studio ARC 3406	2	تقنيات متقدمة في البناء والتشييد Advanced Technologies in Building Construction ARC 3305	2	الرياضيات للمعماريين Mathematics for Architects MTH1183	18

مقررات مسار العمارة

4

الفصل الدراسي الأول

5	استوديو الحفاظ على المباني التراثية Heritage Buildings Conservation Studio ARC 4006	3	استوديو رسومات تنفيذية (١) Working Drawings Studio 1 ARC 4306	2	التصميم الإبداعي باستخدام الحاسب الآلي Creative Generative-Design ARC 4107	2	معايير تصميم المباني (٢) Buildings Design Standards 2 ARC 4011	2	مقرر اختياري (١) Elective Course 1 ARC 421#	2	الأسرة في الإسلام The Family in Islam ICC4202	2	مبادئ الإحصاء للمعماريين Principles of Statistics for Architects MTH1681	18

الفصل الدراسي الثاني

5	استوديوالممارسة المهنية Professional Practice Studio ARC 4007	3	استوديو رسومات تنفيذية (٢) Working Drawings Studio 2 ARC 4307	2	استوديو التصميم المعماري المتكامل (١) Integrated Architectural Design Studio 1 ARC 4008	2	إدارة المشروعات المعمارية (١) Architectural Project Management 1 ARC 4503	2	مقرر اختياري (٢) Elective Course 2 ARC 411#	2	تطبيقات كود البناء في العمارة Applications of Building Code in Architecture ARC 4309	2	مهارات التطوير المهني Professional Development Skills BUS1099	18

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الفصل الدراسي الأول

6	تدريب تعاوني Cooperative Training ARC 4500	6

الفصل الدراسي الثاني

5	استوديو التصميم المعماري المتكامل (٢) Integrated Architectural Design Studio 2 ARC 4009	2	اقتصاديات المشروعات المعمارية Economics of Architectural Projects ARC 4505	2	الممارسة المهنية للمعماريين Professional Practice for Architects ARC 4501	2	إدارة المشروعات المعمارية (٢) Architectural Project Management 2 ARC 4504	2	مقرر اختياري (٣) Elective Course 3 ARC 441#	2	كود التصميم الشامل Universal Design Code ARC 4310	3	مشروع التخرج Graduation Project ARC 4208	18

نوع المقرر
- مقررات الجامعة
- مقررات التخصص
- مقررات المسار
- مقررات مساندة

المقررات الاختيارية التخصصية

مقرر اختياري (١)
- القيم الإسلامية في العمارة
- الهوية المعمارية الإقليمية السعودية
- عمارة المسجد الحرام والمسجد النبوي
- الهوية الإسلامية في العمارة المعاصرة

مقرر اختياري (٢)
- تقنيات الإظهار الواقعية بالحاسب الآلي
- النمذجة الحاسوبية في البناء والتشييد
- تطبيقات الذكاء الاصطناعي في العمارة
- المحاكاة البيئية بالحاسب الآلي

مقرر اختياري (٣)
- التصميم الحضري المرن
- تنسيق المواقع المستدام
- الإنسان والبيئة العمرانية
- الاستدلال المكاني

المقررات الاختيارية العامة
- مقدمة في صناعة السياحة والضيافة
- ريادة الأعمال والابتكار
- مهارات التخطيط المالي الشخصي
- التجارة الإلكترونية
- التقنية الرقمية
- مهارات حياتية
- التنوع والانصاف والشمولية
- التراث والتنوع الثقافي
- الكتابة والخطابة
- الصحة المجتمعية

إجمالي ساعات البرنامج: 168

برنامج العمارة والتخطيط - مسار تصميم حضري

Architecture and Planning Program – Urban Design Track

1

الفصل الدراسي الأول

5	استوديو مبادئ التشكيل المعماري Architectural Formation Principles Studio ARC 1101	2	الرسم المعماري Architectural Drawing ARC 1102	2	طرق وعمليات التصميم Design Process and Methods ARC 1000
2	عمارة الحضارات القديمة والعصور الوسطى Ancient Civilizations and Medieval Architecture ARC 1201	2	التفكير التصميمي Design Thinking IND1101	3	لغة انجليزية (١) English Language 1 ELIN1301
2	تجويد القرآن الكريم The Holy Quran Tajweed QR1101	18			

الفصل الدراسي الثاني

5	استوديو مبادئ التصميم المعماري Fundamental Design Principles Studio ARC 1001	3	دراسات بصرية Visual Studies ARC 1103	2	الرسم ثنائي الأبعاد بالحاسب الآلي Vector-based Drawing ARC 1104
3	استوديو المجسمات المعمارية Architectural Models Studio ARC 1105	3	لغة انجليزية (٢) English Language 2 ELIN1302		مهارات جامعية University Skills CUR1101
2	حفظ القرآن الكريم ١ The Holy Quran Memorization 1 QR2102	18			

2

الفصل الدراسي الأول

5	استوديو تصميم مباني عامة صغيرة Small Public Buildings Design Studio ARC 2002	2	استوديو بناء وتشييد (١) Building Construction Studio 1 ARC 2301	3	النمذجة ثلاثية الأبعاد بالحاسب الآلي 3D Modeling ARC 2106
2	معايير تصميم المباني (١) Buildings Design Standards 1 ARC 2010	2	نظم التحكم البيئي Environmental Control Systems ARC 2307	2	مقدمة في الذكاء الاصطناعي Introduction to Artificial Intelligence AI2001
2	حفظ القرآن الكريم ٢ The Holy Quran Memorization 2 QR2103	18			

الفصل الدراسي الثاني

5	استوديو تصميم العمارة المحلية Vernacular Architecture Design Studio ARC 2003	2	استوديو بناء وتشييد (٢) Building Construction Studio 2 ARC 2302	2	مبادئ التصميم الحضري Principles of Urban Design ARC 2401
2	عمارة الحضارة الإسلامية Architecture of Islamic Civilization ARC 2202	3	مبادئ تنسيق المواقع Principles of Landscape Architecture ARC 2402	2	القيم والأخلاق Values and Ethics ICC1201
2	ختم القرآن الكريم Completion of the Holy Quran QR3104	18			

3

الفصل الدراسي الأول

5	استوديو التصميم المستدام Sustainable Design Studio ARC 3004	2	استوديو بناء وتشييد (٣) Building Construction Studio 3 ARC 3303	3	استوديو مقدمة في التصميم الحضري Introduction to Urban Design Studio ARC 3403
2	عمارة عصر النهضة وما قبل الحداثة Renaissance and Pre-modern Architecture ARC 3203	2	مبادئ التخطيط العمراني Principles of Urban Planning ARC 3404	2	الإسكان Housing ARC 3405
2	اختياري عام General Elective x	18			

الفصل الدراسي الثاني

5	استوديو تصميم مباني البحور الواسعة Long-Span Buildings Design Studio ARC 3005	2	استوديو بناء وتشييد (٤) Building Construction Studio 4 ARC 3304	2	أسس البحث العلمي المعماري Architectural Research Methods ARC 3206
2	عمارة القرن العشرين والعمارة المعاصرة 20th Century and Contemporary Architecture ARC 3204	3	استوديو مقدمة في التخطيط العمراني Introduction to Urban Planning Studio ARC 3406	2	تقنيات متقدمة في البناء والتشييد Advanced Technologies in Building Construction ARC 3305
2	الرياضيات للمعماريين Mathematics for Architects MTH1183	18			

مقررات مسار العمارة

4

الفصل الدراسي الأول

5	استوديو تصميم حضري للمناطق الجديدة New Areas Urban Design Studio ARC 4601	3	استوديو تنسيق المواقع (١) Landscape Design Studio 1 ARC 4602	2	نظم المعلومات الحضرية Urban Information Systems ARC 4603
2	منهجيات وتقنيات التصميم الحضري Urban design methodologies and techniques ARC 4604	2	مقرر اختياري (١) Elective Course 1 ARC 462#	2	الأسرة في الإسلام The Family in Islam ICC4202
2	مبادئ الإحصاء للمعماريين Principles of Statistics for Architects MTH1681	18			

الفصل الدراسي الثاني

5	استوديو تصميم حضري للمناطق القائمة Existing Areas Urban Design Studio ARC 4607	3	استوديو تنسيق المواقع (٢) Landscape Design Studio 2 ARC 4608	2	استوديو التصميم الحضري المتكامل (١) Integrated Urban Design Studio 1 ARC 4609
2	التحكم البيئي الحضري Urban Environmental Control ARC 4610	2	مقرر اختياري (٢) Elective Course 2 ARC 463#	2	التصميم الحضري المستدام Sustainable Urban Design ARC 4611
2	مهارات التطوير المهني Professional Development Skills BUS1099	18			

5

الفصل الدراسي الأول

6	تدريب تعاوني Cooperative Training ARC 4613				
6					

الفصل الدراسي الثاني

5	استوديو التصميم الحضري المتكامل (٢) Integrated Urban Design Studio 2 ARC 4614	2	الحفاظ على المواقع التراثية Conservation of Heritage Sites ARC 4615	2	الممارسة المهنية للتصميم الحضري Professional Practice of Urban Design ARC 4616
2	التنقل الحضري Urban Mobility ARC 4617	2	مقرر اختياري (٣) Elective Course 3 ARC 464#	2	التنسيق الحضري للطرق Streetscape ARC 4618
3	مشروع التخرج Graduation Project ARC 4619	18			

المقررات الاختيارية التخصصية

مقرر اختياري (١)
- العمران المؤقت
- أنسنة المدن
- المدن العائمة

مقرر اختياري (٢)
- دراسات متقدمة في تنسيق المواقع
- مراكز المدن
- تخطيط وتصميم المحطات النهائية
- الهوية البصرية للمدينة

مقرر اختياري (٣)
- مبادئ التطوير العقاري
- إدارة المشروعات الحضرية
- إدارة الحشود
- موضوعات مختارة في التصميم الحضري

المقررات الاختيارية العامة
- مقدمة في صناعة السياحة والضيافة
- ريادة الأعمال والابتكار
- مهارات التخطيط المالي الشخصي
- التجارة الإلكترونية
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- مقررات مساندة

إجمالي ساعات البرنامج 168

1	الفصل الدراسي الأول	5 استوديو مبادئ التشكيل المعماري Architectural Formation Principles Studio ARC 1101	2 الرسم المعماري Architectural Drawing ARC 1102	2 طرق وعمليات التصميم Design Process and Methods ARC 1000	2 عمارة الحضارات القديمة والعصور الوسطى Ancient Civilizations and Medieval Architecture ARC 1201	2 التفكير التصميمي Design Thinking IND1101	3 لغة انجليزية (١) English Language 1 ELIN1301	2 تجويد القرآن الكريم The Holy Quran Tajweed QR1101	18
	الفصل الدراسي الثاني	5 استوديو مبادئ التصميم المعماري Fundamental Design Principles Studio ARC 1001	3 دراسات بصرية Visual Studies ARC 1103	2 الرسم ثنائي الأبعاد بالحاسب الآلي Vector-based Drawing ARC 1104	3 استوديو المجسمات المعمارية Architectural Models Studio ARC 1105	3 لغة انجليزية (٢) English Language 2 ELIN1302	مهارات جامعية University Skills CUR1101	2 حفظ القرآن الكريم ١ The Holy Quran Memorization 1 QR2102	18
2	الفصل الدراسي الأول	5 استوديو تصميم مباني عامة صغيرة Small Public Buildings Design Studio ARC 2002	2 استوديو بناء وتشييد (١) Building Construction Studio 1 ARC 2301	3 النمذجة ثلاثية الأبعاد بالحاسب الآلي 3D Modeling ARC 2106	2 معايير تصميم المباني (١) Buildings Design Standards 1 ARC 2010	2 نظم التحكم البيئي Environmental Control Systems ARC 2307	2 مقدمة في الذكاء الاصطناعي Introduction to Artificial Intelligence AI2001	2 حفظ القرآن الكريم ٢ The Holy Quran Memorization 2 QR2103	18
	الفصل الدراسي الثاني	5 استوديو تصميم العمارة المحلية Vernacular Architecture Design Studio ARC 2003	2 استوديو بناء وتشييد (٢) Building Construction Studio 2 ARC 2302	2 مبادئ التصميم الحضري Principles of Urban Design ARC 2401	2 عمارة الحضارة الإسلامية Architecture of Islamic Civilization ARC 2202	3 مبادئ تنسيق المواقع Principles of Landscape Architecture ARC 2402	2 القيم والأخلاق Values and Ethics ICC1201	2 ختم القرآن الكريم Completion of the Holy Quran QR3104	18
3	الفصل الدراسي الأول	5 استوديو التصميم المستدام Sustainable Design Studio ARC 3004	2 استوديو بناء وتشييد (٣) Building Construction Studio 3 ARC 3303	3 استوديو مقدمة في التصميم الحضري Introduction to Urban Design Studio ARC 3403	2 عمارة عصر النهضة وما قبل الحداثة Renaissance and Pre-modern Architecture ARC 3203	2 مبادئ التخطيط العمراني Principles of Urban Planning ARC 3404	2 الإسكان Housing ARC 3405	2 اختياري عام General Elective x	18
	الفصل الدراسي الثاني	5 استوديو تصميم مباني البحور الواسعة Long-Span Buildings Design Studio ARC 3005	2 استوديو بناء وتشييد (٤) Building Construction Studio 4 ARC 3304	2 أسس البحث العلمي المعماري Architectural Research Methods ARC 3206	2 عمارة القرن العشرين والعمارة المعاصرة 20th Century and Contemporary Architecture ARC 3204	3 استوديو مقدمة في التخطيط العمراني Introduction to Urban Planning Studio ARC 3406	2 تقنيات متقدمة في البناء والتشييد Advanced Technologies in Building Construction ARC 3305	2 الرياضيات للمعماريين Mathematics for Architects MTH1183	18
مقررات مسار العمارة									
4	الفصل الدراسي الأول	5 استوديو تخطيط مدينة جديدة New City Urban Planning Studio ARC 4701	3 استوديو تخطيط الإسكان (١) Housing Planning Studio 1 ARC 4702	2 نظم المعلومات العمرانية Urban Planning Information Systems ARC 4703	2 نظريات التخطيط العمراني Urban Planning Theories ARC 4704	2 مقرر اختياري (١) Elective Course 1 ARC 472#	2 الأسرة في الإسلام The Family in Islam ICC4202	2 مبادئ الإحصاء للمعماريين Principles of Statistics for Architects MTH1681	18
	الفصل الدراسي الثاني	5 استوديو تطوير مدينة قائمة Existing City Development Studio ARC 4707	3 استوديو تخطيط الإسكان (٢) Housing Planning Studio 2 ARC 4708	2 استوديو التخطيط العمراني المتكامل (١) Integrated Urban Planning Studio 1 ARC 4709	2 نظم المعلومات العمرانية المتقدمة Advanced Urban Information Systems ARC 4710	2 مقرر اختياري (٢) Elective Course 2 ARC 473#	2 المدن المستدامة Sustainable Cities ARC 4711	2 مهارات التطوير المهني Professional Development Skills BUS1099	18
5	الفصل الدراسي الأول	6 تدريب تعاوني Cooperative Training ARC 4713							6
	الفصل الدراسي الثاني	5 استوديو التخطيط العمراني المتكامل (٢) Integrated Urban Planning Studio 2 ARC 4714	2 علم الاجتماع الحضري والسكان Urban Sociology and Population ARC 4715	2 الممارسة المهنية للتخطيط العمراني Professional Practice of Urban Planning ARC 4716	2 تخطيط التنقل الحضري Planning of Urban Mobility ARC 4717	2 مقرر اختياري (٣) Elective Course 3 ARC 474#	2 التخطيط الإقليمي Regional Planning ARC 4718	3 مشروع التخرج Graduation Project ARC 4719	18

المقررات الاختيارية التخصصية

مقرر اختياري (١)
- المدن والتغير المناخي
- الحفاظ والتجديد العمراني
- التنمية العمرانية في المملكة العربية السعودية
- السياحة الحضرية المستدامة

مقرر اختياري (٢)
- المدن الذكية
- التكنولوجيا والتغير الحضري
- عمران المستقبل
- موضوعات مختارة في التخطيط العمراني

مقرر اختياري (٣)
- إدارة المخاطر الحضرية
- الحوكمة الحضرية
- الاقتصاد الحضري
- المؤشرات الحضرية

المقررات الاختيارية العامة
- مقدمة في صناعة السياحة والضيافة
- ريادة الأعمال والابتكار
- مهارات التخطيط المالي الشخصي
- التجارة الإلكترونية
- التقنية الرقمية
- مهارات حياتية
- التنوع والانصاف والشمولية
- التراث والتنوع الثقافي
- الكتابة والخطابة
- الصحة المجتمعية

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- مقررات مساندة

إجمالي ساعات البرنامج 168

2 Program Specification

Program Specification

(Bachelor)

Program:	**Architecture and Planning**
Program Code (as per Saudi university ranking):	**07310402**
Qualification Level:	Bachelor
Department:	Architecture
College:	College of Engineering and Architecture
Institution:	Umm Al-Qura University
Program Specification:	New ☐ updated* ☒
Last Review Date:	April, 2025

*Attach the previous version of the Program Specification.

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G. Program Quality Assurance: 24

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A. Program Identification and General Information

1. Program's Main Location :
El-Abedyah main campus, building number (H).

2. Branches Offering the Program (if any):
N/A

3. Partnerships with other parties (if any) and the nature of each:
N/A

4. Professions/jobs for which students are qualified
• Architect, • Urban Designer, • Urban Planner, • Landscape Architect, • Project Manager (Architect), etc.

5. Relevant occupational/ Professional sectors:
Saudi Council of Engineers

6. Major Tracks/Pathways (if any):

	Major track/pathway	Credit hours (For each track)	Professions/jobs (For each track)
1.	General Architecture	60	---
2.	Architecture	108	Architect
3.	Urban Design	108	Urban designer Landscape Architect
4.	Urban Planning	108	Urban Planner

7. Exit Points/Awarded Degree (if any):

exit points/awarded degree	Credit hours
1. Associate Diploma in Architecture	36
2. General Intermediate Diploma in Architecture	72

8. Total credit hours: (**168**)

B. Mission, Objectives, and Program Learning Outcomes

1. Program Mission:

Preparing distinguished graduates for the labour market and promoting research and innovations in architecture and urbanism to contribute to the advancement of the knowledge economy and community service, guided by our cultural identity.

2. Program Goals:

Goal 1: Academic Excellence

Objective 1: Strengthening partnerships with local, regional, and international educational institutions and accreditation bodies.

Objective 2: Continuously improving the study plans.

Objective 3: Evaluating and developing the quality of the educational process.

Goal 2: Resources and governance

Objective 1: Developing the department's spaces.

Objective 2: Developing the department staff.

Goal 3: Research and Innovation

Objective 1: Encouraging the formation of research groups.

Objective 2: Activating scientific seminars.

Goal 4: Community Engagement and Social Responsibility

Objective 1: Engaging with the local community and contributing to its development through architectural and urban projects.

Objective 2: Promoting voluntary contribution.

3. Program Learning Outcomes*	
Knowledge and Understanding	
K1	Demonstrate a comprehensive understanding of built environment design and its latest developments.
K2	Demonstrate an in-depth understanding of built environment technologies.
K3	Demonstrate an understanding of the profession's ethics, responsibilities, and regulations.
K4	Demonstrate an understanding of relevant mathematical concepts and scientific theories.
K5	Demonstrate an understanding of research and inquiry methodologies.
Skills	
S1	Apply diverse knowledge to creatively address complex built environment problems.
S2	Analyze the Islamic values that shape human and built environments.
S3	Use scientific research to address complex built environment issues.
S4	Demonstrate proficiency in creating drawings and craftworks.
S5	Employ a variety of communication methods to effectively transfer knowledge and skills.
S6	Effectively use digital skills throughout the design process of the built environment.
S7	Use mathematical operations and quantitative methods to process data and information.
S8	Carry out complex practical tasks and procedures related to the professional practice.
Values, Autonomy, and Responsibility	
V1	Demonstrate commitment to ethics, and professional and academic values.
V2	Demonstrate commitment to self-development.
V3	Demonstrate commitment to society.

* Add a table for each track or exit Point (if any)

Consistency with Specialized Academic Standards

Specialized Academic Standards		Program	
Code	Text	Code	Text
KLO1	Identify, formulate and solve architectural challenges using fundamentals and principles of design and architecture to validate the design outcome.	S1	Apply diverse knowledge to creatively address complex built environment problems.
KLO2	Develop architectural designs that meet specified needs and demands of stakeholders with consideration for public health, safety, welfare, social responsibility, environment, sustainability, climate change, and budget, as well as other realistic constraints related to design solutions, while complying with relevant standards and design codes.	K1	Demonstrate a comprehensive understanding of built environment design and its latest developments.
		K2	Demonstrate an in-depth understanding of built environment technologies.
		S2	Analyze the Islamic values that shape human and built environments.
		S4	Demonstrate proficiency in creating drawings and craftwork.
		V3	Demonstrate commitment to society.
KLO3	Apply critical thinking, analytical techniques and problem-solving skills to different architectural challenges by analyzing and interpreting data to achieve innovative design solutions.	S3	Use scientific research to address complex built environment issues.
KLO4	Utilize appropriate communication techniques and digital tools and resources in the design and delivery processes of the projects.	S5	Employ a variety of communication methods to effectively transfer knowledge and skills.
		S6	Effectively use digital skills throughout the design process of the built environment.
KLO5	Identify and evaluate the issues and constraints of sustainability, environment, climate change, health and safety that are relevant to the analysis and design of structures, building systems and design components.	K1	Demonstrate a comprehensive understanding of built environment design and its latest developments.
KLO6	Demonstrate ethical, professional responsibilities, and commitment in the architectural practices.	K3	Demonstrate an understanding of the profession's ethics, responsibilities, and regulations.
		V1	Demonstrate commitment to ethics, and professional and academic values.
KLO7	Apply project management practices, and evaluate legal, contractual standards, and regulatory requirements to ensure efficient and effective professional service throughout the lifespan of the project.	K4	Demonstrate an understanding of relevant mathematical concepts and scientific theories.
KLO8	Communicate and collaborate effectively in a multidisciplinary setting on all design activities with a range of stakeholders.	S5	Employ a variety of communication methods to effectively transfer knowledge and skills.
KLO9	Engage in life-long learning for acquiring and implementing knowledge using suitable learning strategies.	V2	Demonstrate commitment to self-development.

C. Curriculum

1. Curriculum Structure (Architecture Track)

Program Structure	Required/ Elective	No. of courses	Credit Hours	Percentage
Institution Requirements	Required	10	18	10.7
	Elective	1	2	1.2
College Requirements	Required	0	0	0.0
	Elective	0	0	0.0
Program Requirements	Required	30 G + 14 T	123	73.2
	Elective	3	6	3.6
Capstone Course/Project		1	3	1.8
Field Training/ Internship		1	6	3.6
Residency year		0	0	0
Others (Supporting courses)		4	10	6
Total		64	168	100

* Add a separate table for each track (if any). G: General Architecture, S: Track courses

(Urban Design Track)

Program Structure	Required/ Elective	No. of courses	Credit Hours	Percentage
Institution Requirements	Required	10	18	10.7
	Elective	1	2	1.2
College Requirements	Required	0	0	0.0
	Elective	0	0	0.0
Program Requirements	Required	30 G + 14 T	123	73.2
	Elective	3	6	3.6
Capstone Course/Project		1	3	1.8
Field Training/ Internship		1	6	3.6
Residency year		0	0	0
Others (Supporting courses)		4	10	6
Total		64	168	100

(Urban Planning Track)

Program Structure	Required/ Elective	No. of courses	Credit Hours	Percentage
Institution Requirements	Required	10	18	10.7
	Elective	1	2	1.2
College Requirements	Required	0	0	0.0
	Elective	0	0	0.0
Program Requirements	Required	30 G + 14 T	123	73.2
	Elective	3	6	3.6
Capstone Course/Project		1	3	1.8
Field Training/ Internship		1	6	3.6
Residency year		0	0	0
Others (Supporting courses)		4	10	6
Total		64	168	100

2. Program Courses

General Architecture

Level	Course Code	Course Title	Required /Elective	Pre-Requisite (1)	Pre-Requisite (2)	Credit Hours	Type of req.
Level 1	ARC 1101	Architectural Formation Principles Studio	Required	None		5	Major
	ARC 1102	Architectural Drawing	Required	None		2	Major
	ARC 1000	Design Process and Methods	Required	None		2	Major
	ARC 1201	Ancient Civilizations and Medieval Architecture	Required	None		2	Major
	IND1101	التفكير التصميمي	Required	None		2	University
	ELIN1301	English Language 1	Required	None		3	Supporting C
	QR1101	تجويد القرآن الكريم	Required	None		2	University
Level 2	ARC 1001	Fundamental Design Principles Studio	Required	Architectural Formation Principles Studio	Architectural Drawing	5	Major
	ARC 1103	Visual Studies	Required	Architectural Drawing		3	Major
	ARC 1104	Vector-based Drawing	Required	None		2	Major
	ARC 1105	Architectural Models Studio	Required	Architectural Drawing		3	Major
	ELIN1302	English Language 2	Required	Digital Design Skills		3	Supporting C
	CUR1101	University Skills	Required	None		0	University
	QR2102	حفظ القرآن الكريم ١	Required	تجويد القرآن الكريم		2	University
Level 3	ARC 2002	Small Public Buildings Design Studio	Required	Fundamental Design Principles Studio		5	Major
	ARC 2301	Building Construction Studio 1	Required	Fundamental Design Principles Studio		2	Major
	ARC 2106	3D Modeling	Required	Vector-based Drawing		3	Major
	ARC 2010	Buildings Design Standards 1	Required	Fundamental Design Principles Studio		2	Major
	ARC 2307	Environmental Control Systems	Required	Fundamental Design Principles Studio		2	Major
	AI2001	مقدمة في الذكاء الاصطناعي	Required	None		2	University

	QR2103	حفظ القرآن الكريم ٢	Required	حفظ القرآن الكريم ١		2	University
Level 4	ARC 2003	Vernacular Architecture Design Studio	Required	Small Public Buildings Design Studio		5	Major
	ARC 2302	Building Construction Studio 2	Required	Building Construction Studio 1		2	Major
	ARC 2401	Principles of Urban Design	Required	Small Public Buildings Design Studio		2	Major
	ARC 2202	Architecture of Islamic Civilization	Required	Ancient Civilizations and Medieval Architecture		2	Major
	ARC 2402	Principles of Landscape Architecture	Required	Small Public Buildings Design Studio		3	Major
	ICC1201	القيم والأخلاق	Required	None		2	University
	QR3104	ختم القرآن الكريم	Required	حفظ القرآن الكريم ٢		2	University
Level 5	ARC 3004	Sustainable Design Studio	Required	Vernacular Architecture Design Studio		5	Major
	ARC 3303	Building Construction Studio 3	Required	Building Construction Studio 2		2	Major
	ARC 3403	Introduction to Urban Design Studio	Required	Principles of Urban Design		3	Major
	ARC 3203	Renaissance and Pre-modern Architecture	Required	Architecture of Islamic Civilization		2	Major
	ARC 3404	Principles of Urban Planning	Required	Vernacular Architecture Design Studio		2	Major
	ARC 3405	Housing	Required	Vernacular Architecture Design Studio		2	Major
	x	General Elective	Elective	None		2	University Ele
Level 6	ARC 3005	Long-Span Buildings Design Studio	Required	Sustainable Design Studio		5	Major
	ARC 3304	Building Construction Studio 4	Required	Building Construction Studio 3		2	Major
	ARC 3206	Architectural Research Methods	Required	None		2	Major
	ARC 3204	20th Century and Contemporary Architecture	Required	Renaissance and Pre-modern Architecture		2	Major
	ARC 3406	Introduction to Urban Planning Studio	Required	Principles of Urban Planning		3	Major
	ARC 3305	Advanced Technologies in Building Construction	Required	Building Construction Studio 3		2	Major
	MTH1183	Mathematics for Architects	Required	None		2	Supporting C

Architecture Track

Level	Course Code	Course Title	Required /Elective	Pre-Requisite (1)	Pre-Requisite (2)	Credit Hours	Type of req.
Level 7	ARC 4006	Heritage Buildings Conservation Studio	Required	Long-Span Buildings Design Studio		5	Track
	ARC 4306	Working Drawings 1	Required	Building Construction Studio 4		3	Track
	ARC 4107	Creative Generative-Design	Required	3D Modeling		2	Track
	ARC 4011	Buildings Design Standards 2	Required	Long-Span Buildings Design Studio		2	Track
	ARC 421#	Elective Course 1	Elective	Long-Span Buildings Design Studio		2	Track Ele
	ICC4202	الأسرة في الإسلام	Required	القيم والأخلاق		2	University
	MTH1681	Principles of Statistics for Architects	Required	None		2	Supporting C
Level 8	ARC 4007	Professional Practice Studio	Required	Heritage Buildings Conservation Studio		5	Track
	ARC 4307	Working Drawings 2	Required	Working Drawings 1		3	Track
	ARC 4008	Integrated Architectural Design Studio 1	Required	Heritage Buildings Conservation Studio	Buildings Design Standards 2	2	Track
	ARC 4503	Architectural Project Management 1	Required	Heritage Buildings Conservation Studio		2	Track
	ARC 411#	Elective Course 2	Elective	Heritage Buildings Conservation Studio		2	Track Ele
	ARC 4309	Applications of Building Code in Architecture	Required	Heritage Buildings Conservation Studio		2	Track
	BUS1099	مهارات التطوير المهني	Required	None		2	University
Level 9	ARC 4500	Cooperative Training	Required	Professional Practice Studio		6	Track
Level 10	ARC 4009	Integrated Architectural Design Studio 2	Required	Cooperative Training	Integrated Architectural Design Studio 1	5	Track
	ARC 4505	Economics of Architectural Projects	Required	Working Drawings 2		2	Track
	ARC 4501	Professional Practice for Architects	Required	Cooperative Training		2	Track
	ARC 4504	Architectural Project Management 2	Required	Architectural Project Management 1		2	Track
	ARC 441#	Elective Course 3	Elective	Cooperative Training		2	Track Ele

	ARC 4310	Universal Design Code	Required	Applications of Building Code in Architecture		2	Track
	ARC 4208	Graduation Project	Required	Cooperative Training		3	Track

Architecture Track (Electives)

Level	Course Code	Course Title	Required /Elective	Pre-Requisite (1)	Pre-Requisite (2)	Credit Hours	Type of req.
7	ARC 4211	Islamic Values in Architecture	Elective	Long-Span Buildings Design Studio		2	Track Ele
	ARC 4212	Saudi Regional Architectural Identity	Elective	Long-Span Buildings Design Studio		2	Track Ele
	ARC 4213	Architecture of the Two Holy Mosques	Elective	Long-Span Buildings Design Studio		2	Track Ele
	ARC 4214	Islamic Identity in Contemporary Architecture	Elective	Long-Span Buildings Design Studio		2	Track Ele
8	ARC 4111	Photorealistic Rendering Techniques	Elective	Heritage Buildings Conservation Studio		2	Track Ele
	ARC 4112	Computer Modeling in Building Construction	Elective	Heritage Buildings Conservation Studio		2	Track Ele
	ARC 4113	AI Applications in Architecture	Elective	Heritage Buildings Conservation Studio		2	Track Ele
	ARC 4114	Environmental Simulation	Elective	Heritage Buildings Conservation Studio		2	Track Ele
10	ARC 4411	Resilient Urban Design	Elective	Cooperative Training		2	Track Ele
	ARC 4412	Sustainable Landscape Architecture	Elective	Cooperative Training		2	Track Ele
	ARC 4413	Human and Urban Environment	Elective	Cooperative Training		2	Track Ele
	ARC 4414	Urban Wayfinding	Elective	Cooperative Training		2	Track Ele

Urban Design Track

Level	Course Code	Course Title	Required /Elective	Pre-Requisite (1)	Pre-Requisite (2)	Credit Hours	Type of req.
Level 7	ARC 4601	New Areas Urban Design Studio	Required	Long-Span Buildings Design Studio	Introduction to Urban Design Studio	5	Track
	ARC 4602	Landscape Design Studio 1	Required	Long-Span Buildings Design Studio	Principles of Landscape Architecture	3	Track
	ARC 4603	Urban Information Systems	Required	Long-Span Buildings Design Studio		2	Track
	ARC 4604	Urban design methodologies and techniques	Required	Long-Span Buildings Design Studio		2	Track

	ARC 462#	Elective Course 1	Elective	Long-Span Buildings Design Studio		2	Track Ele
	ICC4202	الأسرة في الإسلام	Required	القيم والأخلاق	None	2	University
	MTH1681	Principles of Statistics for Architects	Required	None	None	2	Supporting C
Level 8	ARC 4607	Existing Areas Urban Design Studio	Required	New Areas Urban Design Studio		5	Track
	ARC 4608	Landscape Design Studio 2	Required	Landscape Design Studio 1		3	Track
	ARC 4609	Integrated Urban Design Studio 1	Required	New Areas Urban Design Studio		2	Track
	ARC 4610	Urban Environmental Control	Required	New Areas Urban Design Studio		2	Track
	ARC 463#	Elective Course 2	Elective	New Areas Urban Design Studio		2	Track Ele
	ARC 4611	Sustainable Urban Design	Required	New Areas Urban Design Studio		2	Track
	BUS1099	مهارات التطوير المهني	Required	None	None	2	University
Level 9	ARC 4613	Cooperative Training	Required	Existing Areas Urban Design Studio		6	Track
Level 10	ARC 4614	Integrated Urban Design Studio 2	Required	Cooperative Training	Integrated Urban Design Studio 1	5	Track
	ARC 4615	Conservation of Heritage Sites	Required	Existing Areas Urban Design Studio		2	Track
	ARC 4616	Professional Practice of Urban Design	Required	Cooperative Training		2	Track
	ARC 4617	Urban Mobility	Required	Existing Areas Urban Design Studio		2	Track
	ARC 464#	Elective Course 3	Elective	Cooperative Training		2	Track Ele
	ARC 4618	Streetscape	Required	Existing Areas Urban Design Studio		2	Track
	ARC 4619	Graduation Project	Required	Cooperative Training		3	Track

Urban Design Track (Electives)

Level	Course Code	Course Title	Required /Elective	Pre-Requisite (1)	Pre-Requisite (2)	Credit Hours	Type of req.
7	ARC 4621	Temporary Urbanism	Elective	Long-Span Buildings Design Studio		2	Track Ele
	ARC 4622	Humanizing the Cities	Elective	Long-Span Buildings Design Studio		2	Track Ele

	ARC 4623	Floating Cities	Elective	Long-Span Buildings Design Studio		2	Track Ele
	ARC 4624	City Branding	Elective	Long-Span Buildings Design Studio		2	Track Ele
8	ARC 4631	Advanced studies in Landscape Architecture	Elective	New Areas Urban Design Studio		2	Track Ele
	ARC 4632	Cities Centers	Elective	New Areas Urban Design Studio		2	Track Ele
	ARC 4633	Terminals Planning and Design	Elective	New Areas Urban Design Studio		2	Track Ele
	ARC 4634	Selected Topics in Urban Design	Elective	New Areas Urban Design Studio		2	Track Ele
10	ARC 4641	Fundamentals of Real Estate Development	Elective	Cooperative Training		2	Track Ele
	ARC 4642	Urban Project Management	Elective	Cooperative Training		2	Track Ele
	ARC 4643	Crowd Management	Elective	Cooperative Training		2	Track Ele
	ARC 4644	Multicriteria Assessment of Urban Development Projects	Elective	Cooperative Training		2	Track Ele

Urban Planning Track

Level	Course Code	Course Title	Required /Elective	Pre-Requisite (1)	Pre-Requisite (2)	Credit Hours	Type of req.
Level 7	ARC 4701	New City Urban Planning Studio	Required	Long-Span Buildings Design Studio	Introduction to Urban Planning Studio	5	Track
	ARC 4702	Housing Planning Studio 1	Required	Long-Span Buildings Design Studio		3	Track
	ARC 4703	Urban Planning Information Systems	Required	Long-Span Buildings Design Studio		2	Track
	ARC 4704	Urban Planning Theories	Required	Long-Span Buildings Design Studio		2	Track
	ARC 472#	Elective Course 1	Elective	Long-Span Buildings Design Studio		2	Track Ele
	ICC4202	الأسرة في الإسلام	Required	القيم والأخلاق	None	2	University
	MTH1681	Principles of Statistics for Architects	Required	None	None	2	Supporting C
Level 8	ARC 4707	Existing City Development Studio	Required	New City Urban Planning Studio		5	Track
	ARC 4708	Housing Planning Studio 2	Required	Housing Planning Studio 1		3	Track
	ARC 4709	Integrated Urban Planning Studio 1	Required	New City Urban Planning Studio		2	Track

	ARC 4710	Advanced Urban Information Systems	Required	Urban Planning Information Systems		2	Track
	ARC 473#	Elective Course 2	Elective	New City Urban Planning Studio		2	Track Ele
	ARC 4711	Sustainable Cities	Required	New City Urban Planning Studio		2	Track
	BUS1099	مهارات التطوير المهني	Required	None	None	2	University
Level 9	ARC 4713	Cooperative Training	Required	Existing City Development Studio		6	Track
Level 10	ARC 4714	Integrated Urban Planning Studio 2	Required	Cooperative Training	Integrated Urban Planning Studio 1	5	Track
	ARC 4715	Urban Sociology and Population	Required	Existing City Development Studio		2	Track
	ARC 4716	Professional Practice of Urban Planning	Required	Cooperative Training		2	Track
	ARC 4717	Planning of Urban Mobility	Required	Existing City Development Studio		2	Track
	ARC 474#	Elective Course 3	Elective	Cooperative Training		2	Track Ele
	ARC 4718	Regional Planning	Required	Existing City Development Studio		2	Track
	ARC 4719	Graduation Project	Required	Cooperative Training		3	Track

Urban Planning Track (Electives)

Level	Course Code	Course Title	Required /Elective	Pre-Requisite (1)	Pre-Requisite (2)	Credit Hours	Type of req.
7	ARC 4721	Cities and Climate Change	Elective	Long-Span Buildings Design Studio		2	Track Ele
	ARC 4722	Urban Conservation and Renewal	Elective	Long-Span Buildings Design Studio		2	Track Ele
	ARC 4723	Urban Development in Saudi Arabia	Elective	Long-Span Buildings Design Studio		2	Track Ele
	ARC 4724	Sustainable Urban Tourism	Elective	Long-Span Buildings Design Studio		2	Track Ele
8	ARC 4731	Smart Cities	Elective	New City Urban Planning Studio		2	Track Ele
	ARC 4732	Technology and Urban Change	Elective	New City Urban Planning Studio		2	Track Ele
	ARC 4733	Future Urbanism	Elective	New City Urban Planning Studio		2	Track Ele
	ARC 4734	Selected Topics in Urban and Regional Planning	Elective	New City Urban Planning Studio		2	Track Ele

10	ARC 4741	Urban Risk Management	Elective	Cooperative Training		2	Track Ele
	ARC 4742	Urban Governance	Elective	Cooperative Training		2	Track Ele
	ARC 4743	Urban Economies	Elective	Cooperative Training		2	Track Ele
	ARC 4744	Urban Indicators	Elective	Cooperative Training		2	Track Ele

* Include additional levels (for three semesters option or if needed).
** Add a table for the courses of each track (if any)

General Electives

THM3191	Introduction to the Tourism and Hospitality Industry
BUS1098	Entrepreneurship and Innovation
FIN3703	Personal Financial Planning Skills
ECO4312	E-Commerce
CS2001	Digital Technology
PSY3127	Life Skills
SPED1102	Diversity, Equity, and Inclusion
HIS4315	Heritage and Cultural Diversity
ARS1601	Writing and Public Speaking
HP3009	Community Health

3. Course Specifications:

Insert hyperlink for all course specifications using NCAAA template (T-104)

https://drive.google.com/file/d/1fUa4U9l5A0iGsNTWXbW0tLBFO8MOLUsC/view?usp=sharing

4. Program learning Outcomes Mapping Matrix:

Align the program learning outcomes with program courses' according to the following desired performance levels *(I = Introduced & P = Practiced & M = Mastered).*

(Architecture Track)

Courses	Program Learning Outcomes (Architecture Track)															
	Knowledge and understanding					Skills								Values, Autonomy, & Responsibility		
	K1	K2	K3	K4	K5	S1	S2	S3	S4	S5	S6	S7	S8	V1	V2	V3
General Architecture																
Architectural Formation Principles Studio	I								I					I	I	
Architectural Drawing	I								I					I	I	
Design Process and Methods	I					I								I		
Ancient Civilizations and Medieval Architecture	I							I							I	
التفكير التصميمي	I					I								I	I	
English Language 1	I									I				I	I	
تجويد القرآن الكريم	I						I							I	I	
Fundamental Design Principles Studio	I					I								P	I	
Visual Studies	I								I						I	
Vector-based Drawing	I								P	I	I				I	
Architectural Models Studio	I					I			P						I	
English Language 2	I									I				P	I	
مهارات جامعية	I				I			I		I				P		
حفظ القرآن الكريم ١	I						I							P	I	
Small Public Buildings Design Studio	I					I									I	
Building Construction Studio 1	I	I				I			P						I	
3D Modeling	I									P	I				I	
Buildings Design Standards 1	I							I						P		
Environmental Control Systems	I					I									I	
مقدمة في الذكاء الاصطناعي	I									P	I			P		
حفظ القرآن الكريم ٢	I						I							M	P	
Vernacular Architecture Design Studio	P					I					I				P	
Building Construction Studio 2	P	I				I			M							I
Principles of Urban Design	P							I							P	
Architecture of Islamic Civilization	P					I	P	I							P	
Principles of Landscape Architecture	P					I									P	
القيم والأخلاق	P						P	I							P	
ختم القرآن الكريم	P						P							M	P	
Sustainable Design Studio	P					P					P				P	
Building Construction Studio 3	P	I				P		I	M							I
Introduction to Urban Design Studio	P					P				P						I
Renaissance and Pre-modern Architecture	P					P		I							P	
Principles of Urban Planning	P	P						P							P	
Housing	P					P									P	
General Elective	P															
Long-Span Buildings Design Studio	P	P				P					P				P	
Building Construction Studio 4	P	P				P		P	M							I
Architectural Research Methods	P				P			P						M	P	
20th Century and Contemporary Architecture	P					P		P							P	
Introduction to Urban Planning Studio	P					P		P								P
Advanced Technologies in Building Construction	P							P							P	

Courses	Program Learning Outcomes (Architecture Track)															
	Knowledge and understanding					Skills								Values, Autonomy, & Responsibility		
Mathematics for Architects	P			I		P								M		P
Architecture Track																
Heritage Buildings Conservation Studio	P					P					P				P	P
Working Drawings 1	P	M				M			M						M	P
Creative Generative-Design	M							P		P						P
Buildings Design Standards 2	M							P							M	P
Elective Course 1	M						M	M		M					M	P
الأسرة في الإسلام	M						M	M							M	P
Principles of Statistics for Architects	M			P								I			M	P
Professional Practice Studio	M		I			M					P				M	P
Working Drawings 2	M	M		M		M						P			M	P
Integrated Architectural Design Studio 1	M		I			M									M	P
Architectural Project Management 1	M					M					M				M	P
Elective Course 2	M							M		M						M
Applications of Building Code in Architecture	M	M						M							M	M
مهارات التطوير المهني	M		P			M										M
Cooperative Training	M		P			M							M	M	M	M
Integrated Architectural Design Studio 2	M					M					M					M
Economics of Architectural Projects	M					M		M								M
Professional Practice for Architects	M		M							M					M	M
Architectural Project Management 2	M					M					M				M	M
Elective Course 3	M							M		M					M	M
Universal Design Code	M							M							M	M
Graduation Project	M				M			M				M		M	M	M

(Urban Design Track)

Courses	Program Learning Outcomes (Urban Design Track)															
	Knowledge and understanding					Skills								Values, Autonomy, & Responsibility		
	K1	K2	K3	K4	K5	S1	S2	S3	S4	S5	S6	S7	S8	V1	V2	V3
New Areas Urban Design Studio	p					p					P					I
Landscape Design Studio 1	p	I		I		p					P				I	I
Urban Information Systems	p							I			P					I
Urban design methodologies and techniques	p							P								P
Elective Course 1	p					p		P		P					P	P
الأسرة في الإسلام	p						M	P							P	P
Principles of Statistics for Architects	p			P								p			P	P
Existing Areas Urban Design Studio	p					p					P				P	P
Landscape Design Studio 2	P					p					M				I	P
Integrated Urban Design Studio 1	P					P		P							P	P
Urban Environmental Control	P					P									P	P
Elective Course 2	P					P		P		P					P	P
Sustainable Urban Design	P					P		M							P	P
مهارات التطوير المهني	P		I			P										P
Cooperative Training	P		P			M							M	I	M	M
Integrated Urban Design Studio 2	M					M					M				M	M
Conservation of Heritage Sites	M					M									M	M
Professional Practice of Urban Design	M		M							M					M	M
Urban Mobility	M	P				M									M	M
Elective Course 3	M							M		M					M	M
Streetscape	M	M				M									M	M
Graduation Project	M				M			M				P		P	M	M

(Urban Planning Track)

Courses	Program Learning Outcomes (Urban Planning Track)															
	Knowledge and understanding					Skills								Values, Autonomy, & Responsibility		
	K1	K2	K3	K4	K5	S1	S2	S3	S4	S5	S6	S7	S8	V1	V2	V3
New City Urban Planning Studio	P	P				P					P				P	P
Housing Planning Studio 1	P					P		P							P	P
Urban Planning Information Systems	P							P			P					P
Urban Planning Theories	P					P		P							P	P
Elective Course 1	P					P		M		P					P	P
الأسرة في الإسلام	P						M	M							P	P
Principles of Statistics for Architects	P			M								P	M		P	P
Existing City Development Studio	M	P				P					M				P	P
Housing Planning Studio 2	M					M					M				M	P
Integrated Urban Planning Studio 1	M	M				M		M							M	P
Advanced Urban Information Systems	M										M				M	P
Elective Course 2	M					M		M		M					M	P
Sustainable Cities	M					M									M	P
مهارات التطوير المهني	M		P			M										P
Cooperative Training	M		M			M							M	P	M	M
Integrated Urban Planning Studio 2	M	M				M					M				M	M
Urban Sociology and Population	M					M		M							M	M
Professional Practice of Urban Planning	M		M							M					M	M
Planning of Urban Mobility	M	M				M									M	M
Elective Course 3	M							M		M					M	M
Regional Planning	M					M									M	M
Graduation Project	M				M			M				P	M	P	M	M

* Add a separate table for each track (if any).

5. Teaching and learning strategies applied to achieve program learning outcomes.

Describe teaching and learning strategies and curricular and extra-curricular activities adopted to achieve the Program's learning outcomes in all areas.

Teaching strategies in the program encourage and allow students to develop the skills and knowledge required for self-directed learning. They achieve this through the suitable pedagogy adapted by all staff members:

- Self–Learning (Research work)
- Self–Learning (Homework)
- Interactive Learning (Dialogue & discussion)
- Interactive Learning (Brainstorming)
- Project-based learning
- Indirect Learning (Problems solving)
- Experiential Learning (Scientific Trips)
- Experiential Learning (Practical Training)
- Cooperative Learning (Teamwork)
- Blended Learning (Flipped classroom)
- Direct Learning (Lecture)

6. Assessment Methods for program learning outcomes.

Describe assessment methods (Direct and Indirect) that can be used to measure the achievement of program learning outcomes in all areas.

The Program should devise a plan for assessing Program Learning Outcomes (all learning outcomes should be assessed at least twice in the bachelor program's cycle and once in other degrees).

Evaluation Areas / Issues	Evaluators	Eval. Methods	
Effectiveness of teaching strategy	Students	Indirect	(Questionnaire)
Effectiveness of evaluation system	Students	Indirect	(Questionnaire)
Quality of learning resources	Students	Indirect	(Questionnaire)
Extent of achievement of CLOs	Students	Indirect	(Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct*	(Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct*	(Results analysis)

*** Direst Assessment:**

- Drawing Exam
- Oral Exam
- Written Exam
- Written & Drawing Exam
- Multiple-choice Exam
- Computer-based Exam
- Eval. of Report
- Eval. of Research Paper
- Eval. of Project(s)
- Eval. of Presentation
- Assignments & Tasks
- Teamwork Tasks
- Direct Observation
- Jury Evaluation

D. Student Admission and Support:

1. Student Admission Requirements

Admission Requirements in the Department of Architecture

- The student must comply with the admission requirements set by the university.
  Reference: https://drive.uqu.edu.sa/_/dadregis/files/46/1/Q/QR46N.pdf

- The student must pass a department test that measures students' skills and aptitude as well.

The number of students in each track is determined by the department depending on certain criteria. These criteria are GPA and the grade in the reference courses. The reference course of Architecture Track is "Long-Span Buildings Design Studio". The reference course of Urban Design Track is "Introduction to Urban Design Studio". The reference course of Urban Planning Track is "Introduction to Urban Planning Studio".

2. Guidance and Orientation Programs for New Students

(Include only the exceptional needs offered to the students of the Program that differ from those provided at the institutional level).

The department offers specialized guidance and support, tailored to align with each student's academic and professional aspirations. Upon enrollment, new students participate in personalized orientation sessions to introduce them to program requirements, departmental expectations, and available resources. Academic advisors provide one-on-one support, helping students chart their academic path, choose suitable courses, and create customized educational plans that foster their success.

3. Student Counseling Services

(Academic, professional, psychological, and social)
(Include only the exceptional needs offered to the students of the Program that differ from those provided at the institutional level).

The Architecture Department provides comprehensive support across multiple areas to promote the overall well-being of our students. Faculty members offer guidance in academic, career, psychological, and social domains, addressing the diverse needs of the student community. Academic counseling helps students navigate their academic journey by offering personalized advice on course selection, study techniques, time management, and goal-setting. Career counseling services support students in exploring career options, developing job search strategies, and enhancing their professional skills. Furthermore, faculty members encourage community engagement and cultivate a strong sense of belonging through social events, support groups, and peer networks. Collectively, these services empower students to excel academically, advance professionally, and grow personally throughout their university experience.

4. Special Support

(Low achievers, disabled, gifted, and talented students).

The department offers specialized support services designed to meet the diverse needs of all students, ensuring that each individual has the opportunity to excel both academically and personally. For students facing academic challenges, we provide targeted interventions aimed at improving academic skills, building confidence, and fostering a positive learning environment. Key interventions include:

- Weekly office hours assigned to each faculty member, offering dedicated time for academic support.
- Encouraging students to actively engage with faculty through scheduled meetings and open communication.
- Promoting the use of official electronic communication channels between students and faculty to facilitate effective interactions.

Students with disabilities receive personalized support to guarantee equal access to educational resources and opportunities. The college provides comprehensive support for students with disabilities by ensuring adequate physical accessibility and essential amenities in all campus buildings.

Faculty members collaborate closely with these students to develop tailored strategies that empower them to succeed in their studies.

For gifted and talented students, the department offers enrichment programs, advanced training, and opportunities to participate in special projects. These initiatives are designed to nurture their unique abilities, foster intellectual curiosity, and provide academic challenges that help them reach their full potential.

E. Faculty and Administrative Staff:

1. Needed Teaching and Administrative Staff

Academic Rank	Specialty		Special Requirements / Skills (if any)	Required Numbers		
	General	Specific		M	F	T
Professor	5	--	--	5	--	5
Associate Professor	9	--	--	9	--	9
Assistant Professor	9	--	--	9	--	9
Lecturer	8	--	--	8	--	8
Teaching Assistant	6	--	--	6	--	6

Technicians and Laboratory Assistants	0	--	--	0	--	0
Administrative and Supportive Staff	1	--	--	1	--	1
Others (specify)	0	--	--	0	--	0

F. Learning Resources, Facilities, and Equipment:

1. Learning Resources

Learning resources required by the Program (textbooks, references, e-learning resources, web-based resources, etc.)

Processes followed by the department for evaluating the adequacy of textbooks, references, and other educational resources:
Formation of a committee to:

- Periodically evaluate and review textbooks to assess their adequacy and suitability.
- Study the department's requirements for references.
- Monitor the impact of textbooks, periodicals, and references on student learning.
- Continual assessment of the suitability of textbooks, references, and learning resources through the use of questionnaires.
- Continuous enhancement and improvement of the department’s library.

Processes followed for textbook acquisition and approval:

- Faculty members compile a list of required textbooks and references.
- Contact the Central Library to procure these materials for students.
- Obtaining membership in the university database.
- Collaboration with private bookstores and publishing houses to acquire the necessary references and books.

2. Facilities and Equipment

(Library, laboratories, classrooms, etc.)

Processes followed by the department for planning and acquiring learning resources:
Formation of a committee tasked with:

- Monitoring departmental laboratories.
- Proposing comprehensive development plans for laboratories.
- Identifying the needs of laboratory technicians and equipment operators.
- Assessing the efficiency of the computer lab, copiers and printers.
- Study the department's requirements for equipment.

3. Procedures to ensure a healthy and safe learning environment

(According to the nature of the Program)

The Department is committed to applying safety standards in laboratories, studios, classrooms, offices, and corridors, where all safety devices and posters, such as guidelines and illuminated stickers, are required. The Safety Unit in the University provides security and safety systems to secure the facilities; Cameras are available in the facilities for 24 hours. A fire evacuation policy and fire drills are practiced in all locations. First aid is available in all faculties. The College has emergency plans, safety signs, emergency exit signs, and laboratory safety posters. All studios, classrooms and laboratories are of sufficient size and have adequate ventilation.

G. Program Quality Assurance:

1. Program Quality Assurance System

Provide a link to the quality assurance manual.

The department established a Quality Assurance Committee to (QAC) enhance the overall educational process and to pursue national and international accreditations. The QAC has a well-defined structure with four distinct tasks outlined below:

The Strategic Planning group monitors the program's strategic plan.
The Accreditation group prepares various surveys, the annual program report, and other documents required by national and international accreditation commissions. This group is also responsible for formulating and updating Program Educational Outcomes (PEOs), Student Learning Outcomes (SLOs), and Key Performance Indicators (KPIs).
The Statistical group analyzes stakeholder surveys and course reports to assess program achievements in various student learning outcomes. This group also provides statistical analysis for the Accreditation Committee.

In terms of evaluating and improving learning outcomes and faculty capabilities, the following processes are employed:

- Course evaluation questionnaires
- Student questionnaires for staff evaluation
- Departmental internal workshops

To evaluate faculty members' teaching strategies, the following processes are implemented:

- Student questionnaires for staff evaluation
- Self-evaluation conducted by the department head and college dean

In addition, course coordinators ensure faculty compliance and balance theoretical and practical aspects of the course content.

For overall program evaluation, strategies include:
Conducting questionnaires for current students and graduates

Seeking evaluation from independent advisors or evaluators, such as consultants from the Quality and Accreditation Deanship
Gathering feedback from employers, Advisory Committee members, and other stakeholders through questionnaires targeting individuals in architecture, urban design, and planning fields.

https://drive.google.com/file/d/16GwfP1I3iku1k3MMONE8YZqKYbl-x-5m/view?usp=sharing

2. Procedures to Monitor Quality of Courses Taught by other Departments

Plan: The department offering the course or courses shares the course objectives with the serving department, based on which Course Specifications are prepared, including Course Learning Outcomes (CLOs), course contents, teaching strategies, and assessment methods.
Implement: The course specifications approved by the department should be utilized, ensuring consistency across all course syllabi. This includes maintaining uniformity in CLOs, course contents, tutorials, laboratory exercises, textbooks, number of assessments, and their weighting across multiple sections.
Monitor: The quality of course delivery is monitored solely by the serving department.
Review: Each course instructor must prepare a course report for their respective section. The course coordinator then compiles a comprehensive course report based on all section reports. The final improvement action plan should be agreed upon by all course instructors teaching the course.
The serving department is obligated to share the compiled course report with all departments whose students are enrolled in the course as a core requirement for their program. These departments may provide suggestions for updating course content, teaching strategies, or assessment methods.
Update: The serving department considers feasible requests and updates the course specifications based on recommendations from the course report or department.

3. Procedures Used to Ensure the Consistency between Main Campus and Branches (including male and female sections).

Since the department operates exclusively on the main campus and does not have any branches or separate sections for male and female students, the question of consistency between campuses or sections does not apply.

4. Assessment Plan for Program Learning Outcomes (PLOs),

The program will conduct annual evaluation of all aspects related to the educational process in all tracks. A comprehensive periodic evaluation (every five years) will be conducted for PLOs Assessment (Next Table).

Code	PLOs	First Year	Second Year	Third Year	Fourth Year	Fifth Year	Sixth Year	Seventh Year
K1	Demonstrate a comprehensive understanding of built environment design and its latest developments.	Data collection	Analysis & improvement suggestions	Improvement implementation		Data collection, analysis & imp. suggestion	Analysis & improvement suggestions	Improvement implementation
K2	Demonstrate an in-depth understanding of built environment technologies.	Data collection, analysis & imp. suggestion	Analysis & improvement suggestions	Improvement implementation		Data collection, analysis & imp. suggestion	Analysis & improvement suggestions	Improvement implementation
K3	Demonstrate an understanding of the profession's ethics, responsibilities, and regulations.	Data collection, analysis & imp. suggestion	Analysis & improvement suggestions	Improvement implementation		Data collection, analysis & imp. suggestion	Analysis & improvement suggestions	Improvement implementation
K4	Demonstrate an understanding of relevant mathematical concepts and scientific theories.	Data collection, analysis & imp. suggestion	Analysis & improvement suggestions	Improvement implementation		Data collection, analysis & imp. suggestion	Analysis & improvement suggestions	Improvement implementation
K5	Demonstrate an understanding of research and inquiry methodologies.		Data collection, analysis & imp. suggestion	Analysis & improvement suggestions	Improvement implementation		Data collection, analysis & imp. suggestion	Analysis & improvement suggestions
	Skills							
S1	Apply diverse knowledge to creatively address complex built environment problems.		Data collection, analysis & imp. suggestion	Analysis & improvement suggestions	Improvement implementation		Data collection, analysis & imp. suggestion	Analysis & improvement suggestions
S2	Analyze the Islamic values that shape human and built environments.		Data collection, analysis & imp. suggestion	Analysis & improvement suggestions	Improvement implementation		Data collection, analysis & imp. suggestion	Analysis & improvement suggestions
S3	Use scientific research to address complex built environment issues.		Data collection, analysis & imp. suggestion	Analysis & improvement suggestions	Improvement implementation		Data collection, analysis & imp. suggestion	Analysis & improvement suggestions
S4	Demonstrate proficiency in creating drawings and craftworks.			Data collection, analysis & imp. suggestion	Analysis & improvement suggestions	Improvement implementation		
S5	Employ a variety of communication methods to effectively transfer knowledge and skills.			Data collection, analysis & imp. suggestion	Analysis & improvement suggestions	Improvement implementation		
S6	Effectively use digital skills throughout the design process of the built environment.			Data collection, analysis & imp. suggestion	Analysis & improvement suggestions	Improvement implementation		
S7	Use mathematical operations and quantitative methods to process data and information.			Data collection, analysis & imp. suggestion	Analysis & improvement suggestions	Improvement implementation		
S8	Carry out complex practical tasks and procedures related to the professional practice.				Data collection, analysis & imp. suggestion	Analysis & improvement suggestions	Improvement implementation	
	Values, Autonomy, & Responsibility							
V1	Demonstrate commitment to ethics, and professional and academic values.				Data collection, analysis & imp. suggestion	Analysis & improvement suggestions	Improvement implementation	
V2	Demonstrate commitment to ethics, and professional and academic values.				Data collection, analysis & imp. suggestion	Analysis & improvement suggestions	Improvement implementation	
V3	Demonstrate commitment to ethics, and professional and academic values.				Data collection, analysis & imp. suggestion	Analysis & improvement suggestions	Improvement implementation	

5. Program Evaluation Matrix

Evaluation Areas/Aspects	Evaluation Sources/References	Evaluation Methods	Evaluation Time
Program Learning Outcomes Achievement	Students	Course Exit Survey Program Exit Survey	At the end of each semester At the end of the 5th year starting from 2026/2027
Teaching Effectiveness	Students	Surveys	At the end of each semester
Assessment	Students	Surveys	At the end of each semester
Assessment	Faculty	Review of students results	At the end of each semester

Evaluation Areas/Aspects: e.g., leadership, effectiveness of teaching & assessment, learning resources, services, partnerships, etc.
Evaluation Sources: students, graduates, alumni, faculty, program leaders, administrative staff, employers, independent reviewers, etc.
Evaluation Methods: e.g., Surveys, interviews, visits, etc.
Evaluation Time: e.g., beginning of semesters, end of the academic year, etc.

6. Program KPIs*

The period to achieve the target (**5**) year(s).

*including KPIs required by NCAAA

No	KPIs Code	KPIs	Targeted Level	Measurement Methods	Measurement Time
1	**KPI-P-01**	Students' Evaluation of quality of learning experience in the program	80%	Surveys Exit Exam	At the end of the 5th year starting from 2026/2027
2	**KPI-P-02**	Students' evaluation of the quality of the courses	70%	Surveys	At the end of each semester
3	**KPI-P-03**	Completion rate	75%	Student affair results	At the end of each year
4	**KPI-P-04**	First-year students retention rate	85%	Final exam evaluation report	At the end of each year
5	**KPI-P-05**	Students' performance	70%	Alumni survey	At the beginning of each year starting from 2027/2028
6	**KPI-P-06**	Graduates' employability and enrolment in postgraduate programs	70%	Alumni survey	At the beginning of each year starting from 2027/2028
7	**KPI-P-07**	Employers' evaluation of the program	80%	Employers Survey	At the end of each year
8	**KPI-P-08**	Ratio of students to teaching staff	1:12	Statistical analysis	Statistics are made every academic year
9	**KPI-P-09**	Percentage of publications of faculty members	100%	Statistical analysis	Statistics are made every academic year
10	**KPI-P-10**	Rate of published research per faculty member	1-2 papers/ faculty member	Statistical analysis	Statistics are made every academic year
11	**KPI-P-11**	Citations rate in refereed journals per faculty member	1-2 citations/ faculty member	Statistical analysis	Statistics are made every academic year

H. Specification Approval Data:

Council / Committee	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee Development and Quality Committee Department of Architecture Council
Reference No.	Department of Architecture Council, 12-1446
Date	April, 2025

Head of Department

Oumr Adnan Osra

3 Course Specifications

Contents:

3. Course Specifications

3.1 General Architecture Courses

- Level 1
- Level 2
- Level 3
- Level 4
- Level 5
- Level 6

3.2 Architecture Courses

- Level 7
- Level 8
- Level 9
- Level 10

3.3 Urban Design Courses

- Level 7
- Level 8
- Level 9
- Level 10

3.4 Urban Planning Courses

- Level 7
- Level 8
- Level 9
- Level 10

3.1 General Arch.

Courses

Level [1]

Course Specification
(Bachelor)

Course Title:	**Architectural Formation Principles Studio**
Course Code:	**ARC 1101**
Program:	**Bachelor of Architecture and Planning**
Track:	**(General Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UN1 10 Courses Group: M. Rep. & Vis.

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D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

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A. General information about the course:

1. Course Identification

1. Credit hours:	5 Cr. Hrs.	**Contact hours:**	10 Hrs. / week

2. Course type

a.	University		College		Department	●	Track		Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 1 Level 1

4. Course general description:

This studio focuses on the fundamental elements of architectural formation. Students will explore the primary components of design—point, line, and plane—while examining the visual properties of form and space, including materials, light, texture, pattern, and color. The course also covers the concepts of proportion, scale, and ordering principles, helping students understand how these elements work together to create cohesive 3D compositions. Students will develop foundational skills in visual studies and representation through studio assignments and projects.

5. Pre-requirements for this course (if any):

None

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to develop students' understanding of fundamental architectural formation principles, including point, line, and plane, and their application in 3D compositions. Students will enhance their skills in drawing, composition, and the use of visual elements. The course emphasizes precision, self-discipline, and respect for diverse perspectives, encouraging students to achieve excellence in their design projects.

2. Teaching mode

(Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	10	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	0
2	Practical	0
3	Studio	150
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**150**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of the basics of architectural formation. (K1-c)	**K1**	Direct Learning (Lecture)	Eval. of Drawings
1.2	Demonstrate an understanding of the visual arts. (K1-o)	**K1**	Direct Learning (Lecture)	Eval. of Drawings
	Skills			
2.1	Utilize manual skills to effectively develop and present projects. (S4-a)	**S4**	Self–Learning	Eval. of Drawings
2.2	Create drawings with efficiency and precision. (S4-c)	**S4**	Self–Learning	Eval. of Drawings
	()			
	Values, autonomy, and responsibility			
3.1	Demonstrate self-discipline and punctuality. (V1-a)	**V1**	Self–Learning	Direct Observation
3.2	Demonstrate respect to different points of view. (V1-b)	**V1**	Interactive L. (Dialogue & discussion)	Direct Observation
3.3	Demonstrate persistence on achievement and distinction. (V2-d)	**V2**	Self–Learning	Eval. of Portfolio

C. Course Content

No	List of Topics	Contact
1	Explanation of drawing instruments	10
2	Sketch training: how to use different types of pencils and technical pens	10
3	Primary elements: The point	10
4	Primary elements: Straight and Jagged lines	10
5	Primary elements: Curved line	10
6	Primary elements: Two dimensional shapes (planes)	10
7	Visual properties: Materials, light, texture, pattern and colors	10
8	Proportion and scale: Module, proportioning systems, golden section, etc.	10
9	Composition: Ordering principles (Axis, symmetry, repetition, rhythm, etc.)	10
10	Types of composition: Two and three dimensional forms	10
11	Formation Principles (Composition of three dimensional forms)	10
12	Project: Applications of geometrical tridimensional forms	10
13	Composition of modular capsule form	10
14	Architectural drawings: plan, section and site plan	10
15	Architectural drawings: elevation and Isometric	10
	Total	150

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	Cont. Assess. (Eval. of Drawings, Eval. of Portfolio)	1 to 15	70
2	Mid-Term Exam (Drawing Exam)	7	10
3	Final Submission (Final Project Oral Exam)	16	20

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	CHING, Francis D.K. (2023). Architecture, form, space & order. John Wiley & Sons, New York, USA.
	Schrank, Brian. (2018), Principles of Visual Design, Color Theory, McGraw-Hill
Supportive References	CHING, Francis D.K. (2019), Design Drawing, John Wiley & Sons, New York, USA.
	CHING, Francis D.K. (2019), Design Drawing, John Wiley & Sons, New York, USA.
	CERVER, F. (2010). Drawing For Beginners. Konmann.
	CHING, F. (2023). Architectural Graphics 7th ed., John Wiley & Sons.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Studio
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Abdullah Abdulhameed Bagasi	**Abdulhafeez Ahmad Alwafi**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Architectural Drawing**
Course Code:	**ARC 1102**
Program:	**Bachelor of Architecture and Planning**
Track:	**(General Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UN2

Courses Group: M. Rep. & Vis.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

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B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	4 Hrs. / week

2. Course type

a.	University		College		Department	●	Track		Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 1 Level 1

4. Course general description:

This course provides a comprehensive introduction to architectural graphics, focusing on the manual skills required to convey design ideas through visual representation. Students will learn key graphic tools and drafting conventions, with an emphasis on orthographic projection and its relationship to 3D models. The course also covers essential topics such as scale and dimensioning, equipping students with the foundational skills necessary to create effective architectural drawings and presentations.

5. Pre-requirements for this course (if any):

None

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to help students develop a strong understanding of different methods for representing the built environment through architectural drawing. Students will enhance their manual skills to effectively create and present detailed architectural projects with precision and clarity. Emphasis will be placed on efficiency in drawing production, while fostering self-discipline, punctuality, and a commitment to excellence. Students will be encouraged to persist in their efforts to achieve high standards and distinction in their work.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	4	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	15
2	Practical	45
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**60**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of various ways of representing the built environment. (K1-d)	**K1**	Direct Learning (Lecture)	Eval. of Drawings
	Skills			
2.1	Utilize manual skills to effectively develop and present projects. (S4-a)	**S4**	Self–Learning	Eval. of Drawings
2.2	Create drawings with efficiency and precision. (S4-c)	**S4**	Self–Learning	Eval. of Drawings
	()			
	Values, autonomy, and responsibility			
3.1	Demonstrate self-discipline and punctuality. (V1-a)	**V1**	Self–Learning	Direct Observation
3.2	Demonstrate persistence on achievement and distinction. (V2-d)	**V2**	Self–Learning	Assignments & Tasks

C. Course Content

No	List of Topics	Contact
1	Drawing tools and supplies	4
2	Architectural drafting: The line	4
3	Architectural drawing systems: Projection drawing and Pictorial systems	4
4	Multiview drawings: Plans 1	4
5	Multiview drawings: Plans 2	4
6	Multiview drawings: Site plan	4
7	Multiview drawings: Section 1	4
8	Multiview drawings: Section 2	4
9	Multiview drawings: Elevations 1	4
10	Multiview drawings: Elevations 2	4
11	Paraline drawings: Isometric drawings 1	4
12	Paraline drawings: Isometric drawings 2	4
13	Architectural drawing systems: Communication design ideas	4
14	Rendering context (people, furniture, vehicles, landscaping, etc.)	4
15	Architectural presentation	4
	Total	60

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	Cont. Assess. (Eval. of Drawings, Assignments & Tasks)	1 to 15	40
2	Mid-Term Exam (Drawing Exam)	7	20
3	Final Exam (Drawing Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Ching, F. (2023). Architectural Graphics. Wiley.
	0
Supportive References	
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Studio and Classroom
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Abdullah Abdulhameed Bagasi	Abdulhafeez Ahmad Alwafi	Oumr Adnan Osra
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	Mohamed Wahba Ibrahim Khalil	Ahmed M. A. Shehata

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Design Process and Methods**
Course Code:	**ARC 1000**
Program:	**Bachelor of Architecture and Planning**
Track:	**(General Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UN3

Courses Group: Des. Proc.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department	●	Track		Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 1 Level 1

4. Course general description:

This course offers an in-depth exploration of architectural design processes and methods, focusing on space program analysis, site analysis, design philosophy, and the development of human-centered design proposals. Students will apply these concepts to the design of a housing unit, learning how to make informed design decisions throughout the process. The course also emphasizes the development of diagram drawing techniques to enhance design communication and presentation.

5. Pre-requirements for this course (if any):

None

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to provide students with a comprehensive understanding of the design processes, methods, and fundamental principles involved in shaping buildings. Students will learn to define the functional requirements and relationships for various spaces, ensuring a cohesive design approach. They will learn how to apply relevant theories and methods throughout the design process to develop effective solutions. Emphasis will also be placed on cultivating self-discipline, punctuality, and a strong work ethic in managing design tasks.

2. Teaching mode

(Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Explain processes, methods and fundamentals of designing the built environment. (K1-a)	**K1**	Direct Learning (Lecture)	Written Exam
1.2	Define functional requirements and relationships for different sectors of the built environment. (K1-b)	**K1**	Direct Learning (Lecture)	Written & Drawing Assgs./ Exams
1.3	Explain the impact of different aspects on the built environment. (K1-h)	**K1**	Direct Learning (Lecture)	Written & Drawing Assgs./ Exams
	Skills			
2.1	Apply the theories and methods of designing the built environment. (S1-d)	**S1**	Interactive L. (Dialogue & discussion)	Written & Drawing Assgs./ Exams
	()			
	Values, autonomy, and responsibility			
3.1	Demonstrate self-discipline and punctuality. (V1-a)	**V1**	Self–Learning	Direct Observation

C. Course Content

No	List of Topics	Contact
1	Introduction to the course and key terminology definitions	2
2	Site analysis: Data collection and interpretations 1	2
3	Site analysis: Data collection and interpretations 2	2
4	Site analysis: Data collection and interpretations 3	2
5	Site analysis: Design decisions	2
6	Spatial analysis according to furnishing	2
7	The architectural and structure module	2
8	Prior to the design stage: Preparing the spaces program	2
9	The space and spatial relationships: Specifications and components	2
10	The functional relationships: Adjacency Matrix	2
11	The functional relationships: Bubble diagram	2
12	Schematic plan	2
13	Inspiration: Nature as an architectural inspiration	2
14	Instruments and tools as an architectural inspiration	2
15	Existing buildings as an architectural inspiration	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Written & Drawing Assgs./ Exams)	1 to 15	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Abououf, T. (2014). Site Analysis. Sky for Book.
	Abououf, T. (2015). Design Concept. Sky for Book.
Supportive References	Karlen, M., and Fleming, R. (2018). Space Planning Basics. Hoboken (N.J.), J. Wiley.
	حسن, ن. (2014). الالهام المعماري. الرياض: النشر العلمي والمطابع- جامعة الملك سعود.
	White, E. (2013). Site analysis. ArchiBasX Press.
	Ching, D K, & Eckler J. (2013). Introduction to Architecture. Hoboken, New Jersey, Wiley.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Abdullah Abdulhameed Bagasi	**Ahmed M. A. Shehata**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission

اعتماد
NCAAA

2024
TP-153

Course Specification
(Bachelor)

Course Title:	**Ancient Civilizations and Medieval Architecture**
Course Code:	**ARC 1201**
Program:	**Bachelor of Architecture and Planning**
Track:	**(General Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UN4

Courses Group: Arc. Hist. & Th.

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C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department	●	Track		Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 1 Level 1

4. Course general description:

This course provides an overview of ancient architecture from prehistoric times to the end of the medieval period, focusing on the cultural, technological, and aesthetic developments throughout history. Key architectural traditions covered include Mesopotamian, ancient Egyptian, Greek, Roman, Byzantine, and Gothic architecture, with an additional focus on the traditional architecture of China and Japan. Students will gain a deeper understanding of how these architectural styles shaped and reflected their respective societies.

5. Pre-requirements for this course (if any):

None

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to provide students with a comprehensive understanding of the historical evolution of the built environment, spanning from prehistoric times to the medieval period. It focuses on exploring the cultural, technological, and aesthetic factors that influenced major architectural traditions across various civilizations. The course also emphasizes fostering persistence and excellence, encouraging self learning and distinction in the architectural field.

2. Teaching mode

(Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of the history of the built environment. (K1-e)	**K1**	Direct Learning (Lecture)	Written Exam
1.2	Explain the impact of different aspects on the built environment. (K1-h)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
	Skills			
2.1	Analyze factors shaping and influencing the built environment. (S1-l)	**S1**	Interactive L. (Dialogue & discussion)	Written Exam
2.2	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning (Research work)	Eval. of Research
	()			
	Values, autonomy, and responsibility			
3.1	Demonstrate persistence on achievement and distinction. (V2-d)	**V2**	Self–Learning	Eval. of Portfolio

C. Course Content

No	List of Topics	Contact
1	Prehistoric settlements and megalith constructions	2
2	Ancient Mesopotamian architecture	2
3	Ancient Egyptian architecture: Old kingdom	2
4	Ancient Egyptian architecture: Middle and new kingdom	2
5	The Greek architecture: Ancient period	2
6	The Greek architecture: Classical period	2
7	The Greek architecture: Hellenistic period	2
8	Traditional architecture of China and Japan	2
9	The Roman architecture 1	2
10	The Roman architecture 2	2
11	Early Christian architecture	2
12	Byzantine architecture	2
13	Early Medieval architecture	2
14	Romanesque architecture	2
15	Gothic architecture	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research, Eval. of Portfolio)	14	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Moffett, M. et al. (2008). A world History of Architecture. McGraw-Hill.
	Fletcher, B. (2020). Sir Banister Fletcher's Global history of architecture. Bloomsbury Visual Arts.
Supportive References	Ching, F. et al. (2017). A global history of architecture. Wiley.
	Richard, W. (2000). The Complete Temples of Ancient Egypt. Thames & Hudson.
	Tomlinson, R. (1995). Greek and Roman Architecture. British Museum Press.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Abdullah Abdulhameed Bagasi	**Mohamed Wahba Ibrahim Khalil**	**Oumr Adnan Osra**
Head of PPC	Head of C&SPC	Head of D&QC
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

توصيف المقرر الدراسي

(بكالوريوس)

اسم المقرر:	التفكير التصميمي
رمز المقرر:	IND1101
البرنامج :	مقرر عام (متطلب جامعة اجباري)
القسم العلمي:	التصميم الداخلي
الكلية:	التصاميم والفنون
المؤسسة:	جامعة ام القرى
نسخة التوصيف:	1
تاريخ آخر مراجعة:	1446هـ

جدول المحتويات

أ. معلومات عامة عن المقرر الدراسي: 3
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أ. معلومات عامة عن المقرر الدراسي:

1. التعريف بالمقرر الدراسي

1. الساعات المعتمدة:

معتمدة	نظري	عملي	استوديو	مشروع	تدريب	الساعات الفعلية
2	2					2

2. نوع المقرر

أ-	☒ متطلب جامعة	☐ متطلب كلية	☐ متطلب تخصص	☐ متطلب مسار	☐ أخرى
ب-	☒ إجباري	☐ اختياري			

3. السنة / المستوى الذي يقدم فيه المقرر:

السنة	المستوى
الأولى	الثاني

4. الوصف العام للمقرر

يتضمن هذا المقرر تعريف الطلبة بمنهجية التفكير التصميمي (Design Thinking) كأداة لحل المشكلات بطرق إبداعية و ابتكارية ودمجه بالتكنولوجيا الحديثة مثل :تقنيات الذكاء الاصطناعي ، وذلك من خلال الفهم العميق لاحتياجات المستخدمين، توليد الأفكار، النمذجة الأولية، والاختبار المستمر للحلول والمعالجات للمشكلات الو اقعية بالاستفادة من أدوات التكنولوجيا الحديثة وتقنيات الذكاء الاصطناعي . مع التركيز على المنهجية لتطوير حلول تصميمية و اقعية في مختلف التخصصات والعلوم النظرية والعملية

5- المتطلبات السابقة لهذا المقرر (إن وجدت)

لا يوجد

6- المتطلبات المتزامنة مع هذا المقرر (إن وجدت)

لا يوجد

7. الهدف الرئيس للمقرر

يهدف هذا المقرر إلى تزويد الطلاب والطالبات بالمعارف والمهارات المرتبطة بالتفكير التصميمي كنهج استراتيجي لحل المشكلات بطريقة إبداعية ومبتكرة من خلال معرفة وتطبيق المراحل الأساسية للتفكير التصميمي، مثل التعاطف، والتعريف بالمشكلة، وتوليد الأفكار، وتقييم الحلول. كما يركز على استكشاف دور التفكير التصميمي في تحليل المشكلات، وتصميم حلول مبتكرة تعزز من الفهم والتفاعل بين التخصصات المختلفة لخدمة المجتمع. كما يتضمن استراتيجيات تفاعلية تعتمد على المشروعات، ورش العمل، ودراسات الحالة الو اقعية. و تزويد الطلبة بالقدرة على استخدام التفكير التصميمي ودمجه بتقنيات الذكاء الاصطناعي كأداة تحليلية و إبداعية في مختلف التخصصات ، مما يعزز مهاراتهم في حل المشكلات، الابتكار، والتفاعل النقدي مع القضايا المجتمعية.

2. نمط التعليم (اختر كل ما ينطبق)

م	نمط التعليم	عدد الساعات التدريسية	النسبة
1	تعليم التقليدي		
2	التعليم الإلكتروني		
3	التعليم المدمج • التعليم التقليدي • التعليم الإلكتروني		
4	التعليم عن بعد	30 ساعة معتمدة	100%
	المجموع	30 ساعة معتمدة	100%

3. الساعات التدريسية (على مستوى الفصل الدراسي)

م	النشاط	ساعات التعلم	النسبة
1	محاضرات	30 ساعه نظرية فعلية	%100
2	معمل أو إستوديو		
3	ميداني		
4	دروس إضافية		
5	أخرى		
	الإجمالي	30 ساعه نظرية فعلية	%100

ب. نواتج التعلم للمقرر واستراتيجيات تدريسها وطرق تقييمها:

الرمز	نواتج التعلم	رمز ناتج التعلم المرتبط بالبرنامج	استراتيجيات التدريس	طرق التقييم
1.0	المعرفة والفهم			
1.1	يظهر المعرفة بالمصطلحات والمعارف والمفاهيم والعمليات المتصلة بالتفكير التصميمي	ع1	المحاضرة التفاعلية - العروض العلمية =المناقشة	الاختبارات-المناقشة-التقييم للواجبات والتكليفات والتقارير
1.2	يصف المراحل والإجراءات والممارسات لعمليات لتفكير التصميمي	ع2		
2.0	المهارات			
2.1	يطبق أدوات التفكير التصميمي لإيجاد حلول إبداعية مبتكرة للمشكلات بناء على تحليل احتياجات المستخدمين والمستفيدين	م1	المحاضرة التفاعلية - العروض العلمية -العصف الذهني =المناقشة-دراسة الحالة-تقارير	الاختبارات-تقييم للمشاريع البحثية والتقارير

الرمز	نواتج التعلم	رمز ناتج التعلم المرتبط بالبرنامج	استراتيجيات التدريس	طرق التقييم
2.2	يقيم فعالية الحلول المقترحة للمشكلات في ضوء معايير محددة	م2	المحاضرة -العروض العلمية -العصف الذهني =المناقشة-دراسة الحالة- تقارير	الاختبارات-تقييم التقارير البحثية-
3.0	القيم والاستقلالية والمسؤولية			
3.1	يلتزم بالقيم والمعايير الأخلاقية في عمليات التفكير التصميمي لاختيار الحلول للمشكلات	ق1	التعلم الذاتي- التعليم التعاوني	بطاقات الملاحظات- التقييم النهائي التقارير البحثية
3.2	يتعاون مع فرق العمل لإيجاد الحلول الإبداعية للمشكلات باستخدام منهجيات التفكير التصميمي.	ق2		

ج. موضوعات المقرر

م	قائمة الموضوعات	الساعات التدريسية المتوقعة
1	دراسة المفاهيم والمصطلحات الأساسية عن التفكير و أنواعه : (التفكير البصري، التفكير الناقد، التفكير المتقارب، التفكير المتباعد-التفكير العاطفي، التفكير المنطقي ،التفكير العلمي، التفكير الإبداعي ، التفكير التحليلي ،التفكير الاستراتيجي ،التفكير المجرد، التفكير المتباين، التفكير الحدسي، التفكير الموجه بالبيانات)	2
2	مقدمة في التفكير التصميمي ، تعريف التفكير التصميمي وأهميته في حياة الانسان -مقارنة بين التفكير التصميمي و أنواع التفكير الأخرى-التفكير التصميمي ومجالات تطبيقه في مختلف التخصصات العلمية والعملية ،-الفرق بين التفكير التقليدي والتفكير التصميمي	2
3	أدوات وتقنيات التفكير التصميمي : (البحث الميداني(Field Research) ،الخرائط الذهنية والرسومات التخطيطية -تقنيات التصور السريع ونماذج الورق-أدوات التحليل مثل SWOT Analysis و Affinity Diagrams، لعبة الأدوار(Role-Playing) ، اختبار المستخدم(User Testing) ، النماذج الأولية(Prototyping) ، مصفوفة القرارات(Decision Matrix) ، نموذج "الورقة البيضاء والسوداء(Six Thinking Hats) "، خريطة العقل(Mind Mapping) ، SCAMPER، الشخصيات(Personas))	2

4	مراحل التفكير التصميمي ((Design Thinking Process: المرحلة 1: التعاطف ((Empathize فهم احتياجات المستخدمين والمشاكل التي يواجهونها -تقنيات البحث مثل المقابلات، الاستبيانات، والملاحظة -تحليل البيانات من خلال دراسة تجارب المستخدمين (User Journey Mapping) -دراسة الحالة لنماذج عن مرحلة التعاطف وكيفية تطبيقها	2
5	المرحلة 2: التحديد ((Define: صياغة المشكلة بطريقة واضحة -تحليل البيانات وتحديد التحديات الرئيسية -وضع أهداف تصميم الحلول للمشكلة بناءً على احتياجات المستخدم-دراسة الحالة لنماذج عن مرحلة التحديد وبيان المشكلة وكيفية تطبيقها	2
6	المرحلة 3: توليد الأفكار ((Ideate: تقنيات العصف الذهني و إنتاج الأفكار (التفكير خارج الصندوق) -منهجيات التفكير الإبداعي لتطوير حلول غير تقليدية -تحويل الأفكار إلى مفاهيم تصميمية -اختيار الأفكار القابلة للتنفيذ-دراسة الحالة لنماذج عن مرحلة توليد الأفكار وكيفية تطبيقها	2
7	المرحلة 4: إنشاء النماذج الأولية ((Prototype: بناء نماذج أولية بسيطة لاختبار الأفكار مثل (الخرائط الذهنية ،خرائط التعاطف، لوحة الأفكار، الاسكتشات ،المجسمات، النماذج التفاعلية باستخدام الـLEGO ،المحاكاة ،تمثيل الأدوار، ، النماذج الأولية التشاركية، الأسلوب القصصي Storyboarding النماذج الأولية القائمة على البيانات،(Data Prototypes))-أدوات وتقنيات النمذجة السريعة -التجريب والتحسين بناءً على التغذية الراجعة-دراسة الحالة لنماذج عن مرحلة انشاء النماذج الاولية وكيفية تطبيقها	2
8	المرحلة 5: الاختبار ((Test: دراسة كيفية تنفيذ الاختبارات على النماذج الأولية مع المستخدمين -وتحليل ردود الفعل وإجراء التحسينات -تطوير النموذج النهائي-دراسة الحالة لنماذج عن مرحلة الاختبار وكيفية تطبيقها	2
9	دراسة كيفية الاستفادة من تطبيقات التفكير التصميمي في مختلف المجالات والتخصصات: تطوير المنتجات والخدمات -تجربة المستخدم (UX) -الابتكار في تصميم الحلول وفق التخصصات المختلفة -الحلول المجتمعية والاستدامة-دراسة الحالة لتطبيقات مختلفة للتفكير التصميمي وكيفية تطبيقها في مجال التخصص للطلبة (مقترح بحيث كل تخصص يحدد مشكلة تصميمية في خدمة أو منتج مرتبط بالتخصص سواء حالة سابقة أو مقترحات جديدة)	2

10	العمل الجماعي والتعاون في التفكير التصميمي: دراسة كيفية العمل ضمن فرق متعددة التخصصات -مهارات التواصل الفعّال وتقديم الأفكار-تحليل دور التفكير التصميمي في بيئات الأعمال والصناعة-دراسة الحالة لنماذج وتطبيقات توضح الاستفادة من مفهوم التفكير التصميمي في إطار العمل الجماعي وما يترتب عليه من فوائد بهدف تحقيق الاستفادة من تنوع التخصصات في حل المشكلات.	2
11	الذكاء الاصطناعي (نبذه تعريفيه -تطبيقاته في التفكير التصميمي-اخلاقيات استخدامه في انجاز المهام المطلوبة بشكل مسؤول وعادل بما يحقق الفائدة للمجتمع مع الحد من المخاطر المحتملة)	2
12	دمج التفكير التصميمي مع الذكاء الاصطناعي لدعم حلول مبتكرة ومستدامة لمختلف التحديات في بيئات الأعمال والمجتمع -دراسة أمثلة ناجحة لاستخدام التفكير التصميمي والذكاء الاصطناعي في التخصصات المختلفة- دراسة الحالة لتطبيقات مختلفة للتفكير التصميمي وكيفية تطبيقها في مجال التخصص للطلبة	2
13	استعراض دراسات حالة لمشاريع ناجحة تدمج بين التفكير التصميمي والذكاء الاصطناعي+	4
14	كيفية اختيار مشكلة و اقعية والعمل على حلها باستخدام التفكير التصميمي والذكاء الاصطناعي (البحث، تحليل المشكلة، تطوير الأفكار، إنشاء النماذج الأولية، والاختبار) مثال(موضوعات لتطبيقات التفكير التصميمي في الحج والعمرة،- موضوعات لتطبيقات التفكير التصميمي في التنمية بالمملكة العربية السعودية)	
15	عرض تحديات لمشكلات و اقعية مرتبطة بالتخصص الدقيق للطلاب وطلب حلها باستخدام التفكير التصميمي والذكاء الاصطناعي مثال(تطبيق التفكير التصميمي في التعليم والتطوير المهني)	2
المجموع		30

د. أنشطة تقييم الطلبة

م	أنشطة التقييم	توقيت التقييم (بالأسبوع)	النسبة من إجمالي درجة التقييم
1	الاختبار النهائي	أسبوع الاختبارات	%40
2	الاختبار النصفي	السابع	%30
3	نشاط : كتابة تقرير شامل يعالج مشكلة و اقعية من تخصص الطلبة باستخدام منهجية ومراحل التفكير التصميمي وتقنيات الذكاء الاصطناعي	العاشر	%30
...	المجموع		%100

أنشطة التقييم (اختبار تحريري، شفهي، عرض تقديمي، مشروع جماعي، ورقة عمل وغيره).

هـ. مصادر التعلم والمرافق:

1. قائمة المراجع ومصادر التعلم:

المرجع الرئيس للمقرر	صندوق أدوات التفكير التصميمي ، لاري ليفر / مايكل لوريك / باتريك لينك ، إصدارات مكتبة جرير،2022م.
المراجع المساندة	التفكير في كل شيء (الخيال التصميمي والأحلام الاجتماعية)/سلسلة أبحاث نظرية التصميم/مكتبة الفينيق التفكير التصميمي دليل لنمذجة واختبار الحلول اهداف التنمية المستدامة ،برنامج الأمم المتحدة الإنمائي،2017م التفكير البصري ،فيلمين بروند، اصدرات جبل عمان ،202م التفكير التصميمي للتواصل البصري، بول هاريس،غافين أمبروز،إصدارات جبل عمان ،2020م تطبيقات الذكاء الاصطناعي في مجال التصميم وعلاقته بالإبداع والابتكار كتوجه حديث -التجربة اليابانية نموذجا -. Applications Of Artificial Intelligence In The Field Of Design And Its Relationship To Creativity And Innovation As A Modern Trend - The Japanese Experience As A Mode هذلي فواز-شيخ جبيرة،2022م،مجلة الدراسات القانونية والاقتصادية، العدد الخامس N. Nozaki - E. Konno M. Sato M. Sakairi -Application of artificial intelligence technology in product design- July 2017-Fujitsu Scientific & Technical Journal 53(4):43-51
المصادر الإلكترونية	لا توجد
أخرى	لا توجد

2. المرافق والتجهيزات المطلوبة:

العناصر	متطلبات المقرر
المرافق النوعية (القاعات الدراسية، المختبرات، قاعات العرض، قاعات المحاكاة ... إلخ)	القاعات الدراسية ومعامل الكمبيوتر
التجهيزات التقنية (جهاز عرض البيانات، السبورة الذكية، البرمجيات)	أجهزة حاسوب، اتصال بالانترنت، نظام إدارة التعلم Blackboard

العناصر	متطلبات المقرر
تجهيزات أخرى (تبعاً لطبيعة التخصص)	----------

و. تقويم جودة المقرر:

مجالات التقويم	المقيمون	طرق التقييم
فاعلية التدريس	الطلاب ومدرس المقرر	غير مباشرة: عن طريق تحليل نتائج استبانة تقييم الطلاب لعضو هيئة التدريس
فاعلية طرق تقييم الطلبة	مدرس المقرر	غير مباشرة: عن طريق تحليل استبانة تقييم الطلاب للمقرر
مصادر التعلم	الطلاب ومدرس المقرر	غير مباشرة: عن طريق تحليل نتائج استبانة تقييم المصادر
تحقق مخرجات تعلم المقرر	مدرس المقرر	مباشرة: عن طريق قياس نو اتج تعلم المقرر
أخرى		

المقيمون (الطلبة، أعضاء هيئة التدريس، قيادات البرنامج، المراجع النظير، أخرى (يتم تحديدها).

طرق التقييم (مباشر وغير مباشر).

ز. اعتماد التوصيف:

جهة الاعتماد	مجلس قسم التصميم الداخلي
رقم الجلسة	
تاريخ الجلسة	

توصيف المقرر الدراسي

(بكالوريوس)

اسم المقرر: تجويد القرآن الكريم
رمز المقرر: QR1101
البرنامج: البكالوريوس
القسم العلمي: القراءات (مقرر عام يقدم من قسم القراءات لكافة طلبة الجامعة)
الكلية: الدعوة وأصول الدين
المؤسسة: جامعة أم القرى
نسخة التوصيف: الأولى
تاريخ آخر مراجعة: 31 ديسمبر 2024

HA

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أ. معلومات عامة عن المقرر الدراسي: تجويد القرآن الكريم

1. التعريف بالمقرر الدراسي

1. الساعات المعتمدة:					
ساعتان أسبوعيا					
2. نوع المقرر					
أ -	☒ متطلب جامعة	☐ متطلب كلية	☐ متطلب تخصص	☐ متطلب مسار	☐ أخرى
ب -	☒ إجباري	☐ اختياري			
3. السنة / المستوى الذي يقدم فيه المقرر: (السنة الأولى/ المستوى الثاني)					
4. الوصف العام للمقرر					
يشتمل المقرر على دراسة أحكام التجويد دراسة نظرية، مع تلاوة سورتي البقرة وآل عمران تلاوة مجودة وفق ما تم دراسته.					
5- المتطلبات السابقة لهذا المقرر (إن وجدت)					
لا يوجد					
6- المتطلبات المتزامنة مع هذا المقرر (إن وجدت)					
لا يوجد					
7. الهدف الرئيس للمقرر					
تعليم الطلبة أساسيات علم التجويد وأحكامه، وتلاوة سورتي البقرة وآل عمران تلاوة مجودة.					

2. نمط التعليم (اختر كل ما ينطبق)

م	نمط التعليم	عدد الساعات التدريسية	النسبة
1	تعليم التقليدي	0	0
2	التعليم الإلكتروني	0	0
3	التعليم المدمج • التعليم التقليدي • التعليم الإلكتروني	0	0
4	التعليم عن بعد	30	%100

3. الساعات التدريسية (على مستوى الفصل الدراسي)

م	النشاط	ساعات التعلم	النسبة
1	محاضرات	30 ساعة	%100
2	معمل أو إستوديو		
3	ميداني		
4	دروس إضافية		
5	أخرى		
	الإجمالي	30	%100

ب. نواتج التعلم للمقرر واستراتيجيات تدريسها وطرق تقييمها:

الرمز	نواتج التعلم	رمز ناتج التعلم المرتبط بالمؤسسة	استراتيجيات التدريس	طرق التقييم
1.0	المعرفة والفهم			
1.1	شرح المصطلحات والمفاهيم والمبادئ في علم تجويد القرآن الكريم.	K1	المحاضرة التلقي والأداء الحلق التدريبية المناقشة	التقييم المستمر- سماع تلاوة الطلبة أسبوعيا- الاختبارات النصفية والنهائية
1.2	توضيح الأحكام المترتبة على التقاء الأحرف وفق علم التجويد.	K1		
2.0	المهارات			
2.1	تطبيق أحكام التجويد تطبيقاً صحيحاً أثناء تلاوة الآيات وفق الأداء المتواتر.	K1	المحاضرة- التلقي والأداء- العرض- الحلق التدريبية- المناقشة – المهام الأدائية	التقييم المستمر- الملاحظة خلال الدرس- الاختبارات الشفوية - تقييم المهام الأدائية
2.2	استخراج أحكام التجويد الأساسية من خلال الآيات.	S1		
2.3	تفعيل التقنية لشرح أحكام التجويد وفق البرامج المختصة.	S4		
3.0	القيم والاستقلالية والمسؤولية			
3.1	العمل ضمن فريق المقرر بكفاءة ومسؤولية من خلال التسميع المتقن، وشرح الغريب، واستخراج الدروس المستفادة من سورة الكهف.	V4	التعليم التعاوني- المجموعات.	سلالم التقدير – بطاقة الملاحظة

الرمز	نواتج التعلم	رمز ناتج التعلم المرتبط بالمؤسسة	استراتيجيات التدريس	طرق التقييم
3.2	الالتزام بتطوير أدائه في تلاوة القرآن، وتقويم تعلمه لأحكام التجويد من خلال التعلم الذاتي، واتخاذ القرارات المناسبة لمستواه.	V2	التعليم التعاوني- المجموعات.	سلالم التقدير – بطاقة الملاحظة

ج. موضوعات المقرر

م	قائمة الموضوعات	الساعات التدريسية المتوقعة
1	التعريف بتوصيف المقررومتطلباته، مقدمة تعريفية عن فضل تعلم القرآن، ومبادئ علم التجويد، وتلاوة سورة الفاتحة.	2
2	أحكام البسملة والاستعاذة، واللحن و أقسامه، وتلاوة سورة البقرة من آية (١) إلى آية (٤٨).	2
3	تعريف النون الساكنة والتنوين وأحكامهما، الحكم الأول الإظهار، تلاوة سورة البقرة من آية (٤٩) إلى آية (٨٣).	2
4	الحكم الثاني من أحكام النون الساكنة والتنوين (الإدغام) والتعريف بالإظهار المطلق، وتلاوة سورة البقرة من آية (٨٤) إلى آية (١١٢).	2
5	الحكم الثالث من أحكام النون الساكنة والتنوين (الإقلاب)، وتلاوة سورة البقرة من آية (١١٣) إلى آية (١٥٣).	2
6	الحكم الرابع من أحكام النون الساكنة والتنوين (الإخفاء)، وتلاوة سورة البقرة من آية (١٥٤) إلى آية (١٩٠).	2
7	أحكام الميم الساكنة الثلاثة، مع التفريق بينها وبين أحكام النون الساكنة والتنوين، وتلاوة سورة البقرة من آية (١٩١) إلى آية (٢٣٠).	2
8	أحكام الغنة، والقلقلة، تلاوة سورة البقرة من آية (٢٣١) إلى آية (٢٥٦).	2
9	المد، تعريفه، و أقسامه وأسبابه، مع شرح القسم الأول: المد الطبيعي، وتلاوة سورة البقرة من آية (٢٥٧) إلى آية (٢٨٦).	2
10	القسم الثاني: المد الفرعي: المد بسبب الهمز، وتلاوة سورة آل عمران من آية (١) إلى آية (٣٢).	2
11	المد بسبب السكون العارض، وتلاوة سورة آل عمران من آية (٣٣) إلى آية (٧٠).	2

12	المد بسبب السكون اللازم، وتلاوة سورة آل عمران من آية (٧١) إلى آية (١٠٥).	2
13	أحكام لام الفعل (اللام الشمسية والقمرية- ولام لفظ الجلالة)، وتلاوة سورة آل عمران من آية (106) إلى آية (140).	2
14	ترقيق الراء وتفخيمها، وتلاوة سورة آل عمران من آية (١٤١) إلى آية (١٧١).	2
15	علامات الوقف والضبط في القرآن الكريم، وتلاوة سورة آل عمران من آية (١٧٢) إلى آية (٢٠٠).	2
	المجموع	30

د. أنشطة تقييم الطلبة

م	أنشطة التقييم	توقيت التقييم (بالأسبوع)	النسبة من إجمالي درجة التقييم
1	استخراجها أحكام التجويد، بيانها، تطبيقها من خلال عرض تلاوة آيات البقرة وآل عمران	مستمر	%20
2	الاختبار النصفي	السابع	%20
3	الاختبار النهائي	السادس عشر	%60

أنشطة التقييم (اختبار تحريري، شفهي، عرض تقديمي، مشروع جماعي، ورقة عمل وغيره).

هـ. مصادر التعلم والمرافق:

1. قائمة المراجع ومصادر التعلم:

المرجع الرئيس للمقرر	-القرآن الكريم - التجويد الميسر المطبوع بمجمع الملك فهد لطباعة المصحف الشريف
المراجع المساندة	-البرهان في تجويد القرآن/ محمد الصادق قمحاوي.. -هداية القارئ إلى تجويد كلام البارئ/ عبد الفتاح السيد عجمي المرصفي. - مذكرة في علم التجويد/ محمد نهان بن حسين مصري - تحفة الأطفال وشرحها / للشيخ الجمزوري
المصادر الإلكترونية	- موقع مكتبة جامعة أم القرى https://uqu.edu.sa/lib - مجمع الملك فهد لطباعة المصحف الشريف https://qurancomplex.gov.sa/ - تطبيق مصحف المدينة النبوية - حفص

	https://qurancomplex.gov.sa/apps-hafs/ - تطبيق آيات: مشروع المصحف الإلكتروني بجامعة الملك سعود - https://quran.ksu.edu.sa/ayat/
أخرى	

2. المرافق والتجهيزات المطلوبة:

العناصر	متطلبات المقرر
المرافق النوعية (القاعات الدراسية، المختبرات، قاعات العرض، قاعات المحاكاة ... إلخ)	القاعات الدراسية ومعامل الكمبيوتر
التجهيزات التقنية (جهاز عرض البيانات، السبورة الذكية، البرمجيات)	أجهزة حاسوب، اتصال بالانترنت، نظام إدارة التعلم Blackboard
تجهيزات أخرى (تبعاً لطبيعة التخصص)	

و. تقويم جودة المقرر:

مجالات التقويم	المقيمون	طرق التقييم
فاعلية التدريس	الطلاب، مدرس المقرر	غير مباشرة: عن طريق تحليل نتائج استبانة تقييم الطلاب لعضو هيئة التدريس
فاعلية طرق تقييم الطلاب	مدرس المقرر	غير مباشرة: عن طريق تحليل استبانة تقييم الطلاب للمقرر
مصادر التعلم	مدرس المقرر والطلاب	غير مباشرة: عن طريق تحليل نتائج استبانة تقييم المصادر
مدى تحصيل مخرجات التعلم للمقرر	مدرس المقرر	مباشرة: عن طريق قياس نواتج تعلم المقرر
أخرى		

المقيمون (الطلبة، أعضاء هيئة التدريس، قيادات البرنامج، المراجع النظير، أخرى (يتم تحديدها).

طرق التقييم (مباشر وغير مباشر).

ز. اعتماد التوصيف:

جهة الاعتماد	قسم القراءات
رقم الجلسة	
تاريخ الجلسة	

Level [2]

Course Specification
(Bachelor)

Course Title:	**Fundamental Design Principles Studio**
Course Code:	**ARC 1001**
Program:	**Bachelor of Architecture and Planning**
Track:	**(General Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UN8

Courses Group: Des. Proc.

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A. General information about the course:

1. Course Identification

1. Credit hours:	5 Cr. Hrs.	**Contact hours:**	10 Hrs. / week

2. Course type

a.	University		College		Department	●	Track		Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 1 Level 2

4. Course general description:

This studio course introduces students to the fundamentals of architectural design, focusing on the application of design processes and methods. Students begin by exploring residential spaces furniture and analyzing the functional relationships between them. The course culminates in the design of housing units, where students apply these principles while considering the social and cultural context of Saudi society. This studio fosters critical thinking and culturally responsive design solutions.

5. Pre-requirements for this course (if any):

ARC 1101	Architectural Formation Principles Studio	Year: 1	Level: 1
ARC 1102	Architectural Drawing	Year: 1	Level: 1

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to help students demonstrate an understanding of fundamental design principles and their application to residential spaces. Students will analyze and diagram functional relationships between spaces and furniture within residential settings. They will also develop and present design proposals for housing units that reflect the built environment while being responsive to the social and cultural context of Saudi Arabia.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	10	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	0
2	Practical	0
3	Studio	150
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**150**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Define functional requirements and relationships for different sectors of the built environment. (K1-b)	**K1**	Interactive L. (Dialogue & discussion)	Eval. of Project(s)
1.2	Demonstrate an understanding of various ways of representing the built environment. (K1-d)	**K1**	Direct Learning (Lecture)	Eval. of Project(s)
	Skills			
2.1	Make design decisions considering user requirements and various environmental impacts. (S1-a)	**S1**	Indirect L. (Problems solving)	Eval. of Project(s)
2.2	Utilize manual skills to effectively develop and present projects. (S4-a)	**S4**	Self–Learning	Eval. of Project(s)
	()			
	Values, autonomy, and responsibility			
3.1	Demonstrate respect to different points of view. (V1-b)	**V1**	Interactive L. (Dialogue & discussion)	Direct Observation
3.2	Demonstrate persistence on achievement and distinction. (V2-d)	**V2**	Self–Learning	Assignments & Tasks

C. Course Content

No	List of Topics	Contact
1	Project 1: Introduction to architectural drawings and design fundamentals	10
2	Architectural drawing of plans	10
3	Architectural drawing of sections	10
4	Architectural drawing of elevations and site plan	10
5	Isometric drawing	10
6	Project 2: Principles of Saudi house design	10
7	Application of design process and methods - Part 1	10
8	Application of design process and methods - Part 2	10
9	Development of housing unit plans - Part 1	10
10	Development of housing unit plans - Part 2	10
11	Geometric projection and architectural design of sections	10
12	Architectural identity and elevations design	10
13	Geometric projection and architectural design of elevations, and site plan design	10
14	Isometric or perspective drawing of the housing unit	10
15	Full project development	10
	Total	150

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	Cont. Assess. (Eval. of Project(s), Assignments & Tasks)	1 to 15	70
2	Mid-Term Exam (Drawing Exam)	7	10
3	Final Submission (Final Project Oral Exam)	16	20

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Neufert, E. et al. (2023). Architects' Data. Wiley-Blackwell.
	De Chiara, J., Panero, J., & Zelnik, M. (2017). Time-saver standards for housing and residential development. McGraw-H
Supportive References	Joseph D. C., et al. (2001). Time-saver standards for interior design and space planning. Mcgraw-Hill.
	وزارة البلديات والإسكان. (2024). اشتراطات إنشاء المباني السكنية.
	الهيئة السعودية للمهندسين. (2023). الدليل الاسترشادي للكود السعودي للمباني السكنية.
	Buxton, P. (2022). Metric handbook: planning and design data. Routledge.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Studio
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Abdullah Abdulhameed Bagasi	**Ahmed M. A. Shehata**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission

اعتماد
NCAAA

2024
TP-153

Course Specification
(Bachelor)

Course Title:	**Visual Studies**
Course Code:	**ARC 1103**
Program:	**Bachelor of Architecture and Planning**
Track:	**(General Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UN9

Courses Group: M. Rep. & Vis.

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A. General information about the course:

1. Course Identification

1. Credit hours:	3 Cr. Hrs.	**Contact hours:**	5 Hrs. / week

2. Course type

a.	University		College		Department	●	Track		Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 1 Level 2

4. Course general description:

This course focuses on developing freehand sketching skills and architectural visual representation. Students will learn perspective types, including one-point and two-point perspectives, for accurately representing three-dimensional architectural forms. The course covers techniques for drawing both exterior and interior perspectives, as well as casting shades and shadows on two- and three-dimensional drawings. Various rendering techniques, such as pencils, colored pencils, markers, pens, and ink, will be explored to enhance the visual impact of architectural drawings.

5. Pre-requirements for this course (if any):

ARC 1102 Architectural Drawing Year: 1 Level: 1

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to provide students with a solid understanding of the fundamentals of architectural formation and the visual arts. Students will develop the ability to translate conceptual ideas into effective visual representations through the use of manual drawing skills. Emphasis will be placed on creating drawings with precision and efficiency while fostering a commitment to excellence. Throughout the course, students will be encouraged to persist in their efforts to achieve high standards of achievement and distinction in their visual projects.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	5	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	45
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**75**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of the basics of architectural formation. (K1-c)	**K1**	Direct Learning (Lecture)	Eval. of Drawings
1.2	Demonstrate an understanding of the visual arts. (K1-o)	**K1**	Direct Learning (Lecture)	Eval. of Drawings
	Skills			
2.1	Utilize manual skills to effectively develop and present projects. (S4-a)	**S4**	Self–Learning	Eval. of Drawings
2.2	Create drawings with efficiency and precision. (S4-c)	**S4**	Self–Learning	Eval. of Drawings
	()			
	Values, autonomy, and responsibility			
3.1	Demonstrate persistence on achievement and distinction. (V2-d)	**V2**	Self–Learning	Assignments & Tasks

C. Course Content

No	List of Topics	Contact
1	Drawing from Observation: Line and Shape	5
2	Tone and Texture	5
3	Form and Structure	5
4	Space and Depth	5
5	Drawing from the imagination: Speculative Drawing	5
6	Colour Wheel and Colour Theory	5
7	Perspective Projection and Elements	5
8	One-point Perspective System	5
9	Two-point Perspective System: Measuring Point Method - Part 1	5
10	Two-point Perspective System: Measuring Point Method - Part 2	5
11	Perspective Variables	5
12	Inclined Lines, Stairs and Circles	5
13	Reflections	5
14	Casting Shades and Shadows: 2D Drawings	5
15	Casting Shades and Shadows: 3D Drawings	5
	Total	75

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	Cont. Assess. (Eval. of Drawings, Assignments & Tasks)	1 to 15	40
2	Mid-Term Exam (Drawing Exam)	7	20
3	Final Exam (Drawing Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Ching, F. (2023). Architectural Graphics. Wiley.
	Koller, E. (2008). Light, Shade and Shadow. Dover Publications.
Supportive References	CHING, Francis D.K. (2019), Design Drawing, John Wiley & Sons, New York, USA.
	Jenkins, E. et al. (2022). Drawn to Design : Analyzing Architecture through Freehand Drawing. Birkhäuser.
	Willenbrink, M. (2014). The absolute beginner's big book of drawing & painting. North Light.
	D'amelio, J., and Hohauser, S. (2004). Perspective Drawing Handbook. Dover Publications.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Studio and Classroom
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Abdullah Abdulhameed Bagasi	**Abdulhafeez Ahmad Alwafi**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Vector-based Drawing**
Course Code:	**ARC 1104**
Program:	**Bachelor of Architecture and Planning**
Track:	**(General Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UN10

Courses Group: C. Rep. & Vis.

Table of Contents:

A. General Information about the course 3

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2. Teaching mode 3

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B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	4 Hrs. / week

2. Course type

a.	University		College		Department	●	Track		Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 1 Level 2

4. Course general description:

This course introduces the fundamentals of Computer-Aided Design (CAD), focusing on basic drafting commands and standard methods for creating technical 2D drawings. Students will learn to navigate CAD software, apply essential drafting techniques, and produce accurate, professional-grade architectural drawings. Students will apply their knowledge through practical exercises, focusing on the housing unit they currently design in the architectural design studio.

5. Pre-requirements for this course (if any):

None

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to equip students with the essential knowledge and skills needed to use vector-based software in designing the built environment. Students will learn to effectively apply digital tools to enhance communication and streamline the design process. Emphasis will be placed on utilizing these skills throughout various stages of design, from concept development to final presentation. Additionally, students will be encouraged to take responsibility for their own learning and continuous development in mastering digital design techniques.

2. Teaching mode

(Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	4	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	15
2	Practical	45
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**60**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of the required knowledge to use software in designing the built environment. (K1-l)	**K1**	Direct Learning (Lecture)	Computer-based Assgs./ Exams
	Skills			
2.1	Create drawings with efficiency and precision. (S4-c)	**S4**	Self–Learning	Computer-based Assgs./ Exams
2.2	Effectively apply digital skills to enhance communication. (S5-b)	**S5**	Self–Learning	Computer-based Assgs./ Exams
2.3	Effectively use digital skills throughout the design process of the built environment. (S6-a)	**S6**	Self–Learning	Computer-based Assgs./ Exams
	()			
	Values, autonomy, and responsibility			
3.1	Demonstrate responsibility for self-learning and ongoing development. (V2-b)	**V2**	Self–Learning	Computer-based Assgs./ Exams

C. Course Content

No	List of Topics	Contact
1	Introduction and course objectives	4
2	Using units and managing options	4
3	Drawing commands - Part 1	4
4	Drawing commands - Part 2	4
5	Drawing commands - Part 3	4
6	Editing commands - Part 1	4
7	Editing commands - Part 2	4
8	Editing commands - Part 3	4
9	Editing commands - Part 3	4
10	Organizing the drawings using layers and inquiry commands	4
11	Hatching, blocks and text techniques	4
12	Creating and editing dimensions	4
13	Solids	4
14	Surfaces and mesh	4
15	Printing and creating scaled PDF files	4
	Total	60

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	Cont. Assess. (Computer-based Assgs./ Exams)	1 to 15	40
2	Mid-Term Exam (Computer-Based Exam)	7	20
3	Final Exam (Computer-Based Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Dix, M., et al. (2023)(. Discovering AutoCAD 2024. Peachpit Press.
	Adeolu O. (2024). Essential Guide to AutoCAD for All Levels. Computer Guru Inst.
Supportive References	Shih, R, and Luke J. (2024). AutoCAD 2025 Tutorial First Level 2D Fundamentals. SDC Publications
	Dogra, S. (2024). AutoCAD 2025: A Power Guide for Beginners and Intermediate Users. CADArtifex.
	Hamad, M. (2024). AutoCAD 2025 3D Modeling. Stylus Publishing.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Computer Lab.
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
	Applications software
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Abdullah Abdulhameed Bagasi	**Wajdy Sadagh A. Qattan**	**Oumr Adnan Osra**
Head of PPC	Head of C&SPC	Head of D&QC
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Architectural Models Studio**
Course Code:	**ARC 1105**
Program:	**Bachelor of Architecture and Planning**
Track:	**(General Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UN11

Courses Group: M. Rep. & Vis.

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B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

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D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	3 Cr. Hrs.	**Contact hours:**	6 Hrs. / week

2. Course type

a.	University		College		Department	●	Track		Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 1 Level 2

4. Course general description:

This studio introduces the fundamentals of architectural model-making, emphasizing its role in developing and communicating design ideas. Students will learn how to conceptualize and construct architectural models as a bridge between design concepts and their physical realization. The studio covers various model-building techniques and materials, allowing students to explore different approaches to representing architectural ideas in three-dimensional form. Studio projects help students refine their skills in crafting accurate and expressive models.

5. Pre-requirements for this course (if any):

ARC 1102 Architectural Drawing Year: 1 Level: 1

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to provide students with advanced knowledge related to architectural models, enabling them to create innovative and contextually relevant design concepts. Students will develop the skills to efficiently construct architectural models that effectively represent their architectural ideas. Emphasis will be placed on precision and creativity in model making, fostering a commitment to excellence.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	6	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	0
2	Practical	0
3	Studio	90
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**90**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of a wide range of advanced knowledge related to the built environment. (K1-k)	**K1**	Direct Learning (Lecture)	Eval. of Project(s)
	Skills			
2.1	Create innovative concepts and forms for the built environment. (S1-c)	**S1**	Self–Learning	Eval. of Project(s)
2.2	Utilize manual skills to effectively develop and present projects. (S4-a)	**S4**	Self–Learning	Eval. of Project(s)
2.3	Efficiently construct physical models. (S4-b)	**S4**	Self–Learning	Eval. of Project(s)
	()			
	Values, autonomy, and responsibility			
3.1	Demonstrate persistence on achievement and distinction. (V2-d)	**V2**	Self–Learning	Assignments & Tasks

C. Course Content

No	List of Topics	Contact
1	History, model types and scale of architectural models	6
2	Equipment, tools and materials of model making	6
3	Model's net 1	6
4	Model's net 2	6
5	Cutting materials and basic assemblage	6
6	Generating Ideas: Additive/Subtractive drawing strategy	6
7	Working with plan and elevation drawings strategy	6
8	Working with concept drawings strategy	6
9	Reuse and found objects strategy	6
10	Oblique folding	6
11	Exploration of material behavior	6
12	Project development 1	6
13	Project development 2	6
14	Project development 3	6
15	Project development 4	6
	Total	90

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	Cont. Assess. (Eval. of Project(s), Assignments & Tasks)	1 to 15	40
2	Mid-Term Exam (Practical Exam)	7	20
3	Final Submission of the Project	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	MILLS, C. (2011). Designing with models: A Studio Guide to Arch. Process Models. John Wiley & Sons.
	Trudeau, N. (1995). Professional Model Making. Watson.
Supportive References	Oswald, A. (2008). Architectural Models. Dom Publishers.
	Jackson, P. (2011). Folding Techniques for Designers: From Sheet to Form. Laurence King.
	Lund, D. (2024). Model Britain. Taylor & Francis.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Fab Lab
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Abdullah Abdulhameed Bagasi	**Abdulhafeez Ahmad Alwafi**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

توصيف المقرر الدراسي

(بكالوريوس)

اسم المقرر: مهارات جامعية
رمز المقرر: CUR1101
البرنامج: مقرر عام لجميع طلبة البكالوريوس
القسم العلمي: المناهج وطرق التدريس
الكلية: التربية
المؤسسة: جامعة ام القرى
نسخة التوصيف: ١
تاريخ آخر مراجعة: ٢٠٢٥/٠١/٣٠م

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جدول المحتويات

أ. معلومات عامة عن المقرر الدراسي: 3
ب. نواتج التعلم للمقرر واستراتيجيات تدريسها وطرق تقييمها: 4
ج. موضوعات المقرر 5
د. أنشطة تقييم الطلبة 4
هـ. مصادر التعلم والمرافق: 7
و. تقويم جودة المقرر: 8
ز. اعتماد التوصيف: 9

أ. معلومات عامة عن المقرر الدراسي:

1. التعريف بالمقرر الدراسي

1. الساعات المعتمدة: (0)					
2. نوع المقرر					
أ-	☒ متطلب جامعة	☐ متطلب كلية	☐ متطلب تخصص	☐ متطلب مسار	☐ أخرى
ب-	☒ إجباري	☐ اختياري			
3. السنة / المستوى الذي يقدم فيه المقرر: (السنة الأولى – المستوى الأول)					
4. الوصف العام للمقرر					
يركز هذا المقرر على تعريف الطلبة وتدريبهم على استخدام المهارات المرتبطة بالنجاح في إطار البيئة الجامعية من حيث التعريف بمكونات المجتمع الجامعي وخصائصه وملامح البيئة الجامعية الفاعلة وإستراتيجيات التعليم والتعلم وطرق الاستذكار وإدارة الوقت، ومهارات معالجة المعلومات ومهارات البحث العلمي واستخدام التقنية والبحث في قواعد البيانات، ومهارات التواصل الفعال في البيئة الجامعية وتنمية مهارات التفكير بمختلف أنواعه ومهارات الكتابة الأكاديمية والقراءة بوصفهما أداتين لتنمية مهارات الدراسة الجامعية.					
5- المتطلبات السابقة لهذا المقرر (إن وجدت)					
6- المتطلبات المتزامنة مع هذا المقرر (إن وجدت)					
7. الهدف الرئيس للمقرر					
يهدف هذا المقرر إلى تعريف الطلبة بحزمة من مهارات الدراسة الجامعية وتدريبهم على توظيفها بشكل متكامل لدعم متطلبات النجاح والتفوق في الجامعة، وبما يؤدي إلى دعم مهارات التعلم الذاتي والمستمر، والإسهام في إعداد الطالب الجامعي بصورة شاملة في مختلف الجوانب الفكرية والتواصلية والبحثية.					

2. نمط التعليم (اختر كل ما ينطبق)

م	نمط التعليم	عدد الساعات التدريسية	النسبة
1	تعليم التقليدي	0	0
2	التعليم الإلكتروني	0	0
3	التعليم المدمج • التعليم التقليدي • التعليم الإلكتروني	0	0
4	التعليم عن بعد	30	100%

3. الساعات التدريسية (على مستوى الفصل الدراسي)

م	النشاط	ساعات التعلم	النسبة
1	محاضرات	30	100%
2	معمل أو إستوديو		
3	ميداني		
4	دروس إضافية		
5	أخرى		
الإجمالي		30	100%

ب. نواتج التعلم للمقرر وإستراتيجيات تدريسها وطرق تقييمها:

الرمز	نواتج التعلم	رمز ناتج التعلم المرتبط بالبرنامج	إستراتيجيات التدريس	طرق التقييم
1.0	المعرفة والفهم			
1.1	يوضح خصائص البيئة الجامعية ومكوناتها و أثرها على جودة الحياة الجامعية.	K1	الحوار والمناقشة - التعلم التعاوني	التكليفات البحثية
1.2	يحدد إستراتيجيات التعلم والاستذكار ومهارات البحث العلمي المناسبة للبيئة الجامعية.	V2	الخرائط الذهنية - حل المشكلات	الأسئلة الشفهية
1.3	يصف أسس ومبادئ التفكير الناقد والإبداعي و أثرها في حل المشكلات الأكاديمية.	S1	العصف الذهني - التعلم التشاركي	الأنشطة الالكترونية
1.4	يحسن من مهاراته الكتابية عند اعداد التكليفات البحثية.	S4	التدريب العملي	التقارير البحثية
2.0	المهارات			
2.1	يوظف مهارات معالجة المعلومات والتعلم الرقمي في البحث باستخدام قواعد المعلومات.	S4	الحوار والمناقشة - الخرائط الذهنية – التدريب	الملاحظة المقننة
2.2	يقدم عروضاً فعالة ومكتوبة بطريقة أكاديمية تراعي أخلاقيات البحث العلمي والملكية الفكرية.	S3	التدريب العملي - التعلم التعاوني	الملاحظة
2.3	يطبق إستراتيجيات الاستذكار وإدارة الوقت لتحسين أدائه الأكاديمي.	V2	العصف الذهني - الحوار والمناقشة	التكليفات البحثية

الرمز	نواتج التعلم	رمز ناتج التعلم المرتبط بالبرنامج	إستراتيجيات التدريس	طرق التقييم
2.4	يتواصل بشكل فعال داخل البيئة الجامعية وخارجها	S3	الحوار والمناقشة – التدريب	الملاحظة المقننة
3.0	القيم والاستقلالية والمسؤولية			
3.1	يتحمل المسؤولية و اتخاذ القرار عند اعداد المهام والتكليفات البحثية	S2	التعلم التعاوني	تكليفات فردية وجماعية
3.2	يلتزم بأخلاقيات الملكية الفكرية في الأعمال الأكاديمية ومشاريع البحث.	V1	الحوار والمناقشة	الأسئلة الشفهية
3.3	يقدر أهمية التفكير الناقد والإبداعي كمهارات أساسية في النجاح الأكاديمي والحياة المهنية.	S1	حل المشكلات	تكليفات فردية وجماعية

ج. موضوعات المقرر

م	قائمة الموضوعات	الساعات التدريسية المتوقعة
1	البيئة الجامعية الجاذبة - التعرف على مكونات البيئة الجامعية (موقع الجامعة ومرافقها و أنظمتها، ومواصفات البيئة الجامعية الجاذبة، والخدمات المقدمة لطلبة جامعة أم القرى. - أسس بناء العلاقات الفاعلة مع جميع منسوبي المجتمع الجامعي. - حقوق وواجبات طلبة جامعة أم القرى. - لوائح الدراسة الجامعية و أنظمتها. - السياسات العامة وضوابط المشاركة في الأنشطة والفعاليات والبرامج الجامعية. - سياسات جامعة ام القرى في دعم الطلبة للنجاح الأكاديمي والتميز الدراسي (تعريف بالحوافز المادية والمعنوية) مع إعطاء نبذة عن جائزة جامعة أم القرى للتميز. - تعريف بالخدمات التي تقدمها الجامعة: خدمات شئون الطلاب، الأندية الطلابية، الخدمات الاستشارية، الخدمات الصحية، الخدمات التعليمية، خدمات التدريب والتنمية المستمرة، خدمات مكتبة الملك عبدالله، مرافق الجامعة (مواقعها حسب الفروع).	4
2	مهارات التعلم والاستذكار والإستراتيجيات المرتبطة بها - إستراتيجيات التخطيط ووضع الأهداف - إستراتيجيات الحفظ والتذكر. - إستراتيجيات تدوين الملاحظات أثناء الاستذكار. - إستراتيجيات إدارة الوقت وتنظيمه أثناء الاستذكار. - إستراتيجيات الدعم وطلب المساعد أثناء الاستذكار. - إستراتيجيات التنظيم الذاتي.	4

	- إستراتيجيات معالجة المعلومات وتلخيص الدروس. - مهارات التعامل مع الاختبارات الجامعية.	
3	مهارات التواصل الفعال وتطبيقاتها في البيئة الجامعية مهارة الإنصات، مهارات فهم المسموع، مهارات الاتصال اللفظي وغير اللفظي، إستراتيجيات التفاعل الصفي أثناء المحاضرات الأكاديمي، مهارة طرح الأسئلة، مهارات المناقشة والحوار و إبداء الآراء، مهارات التفاوض والإقناع، آداب إغلاق عمليات التواصل وإنهائها.	4
4	إستراتيجيات تنمية مهارات التفكير وتطبيقاتها في الدراسة الجامعية (إستراتيجيات حل المشكلات – إستراتيجيات العصف الذهني – إستراتيجيات القبعات الست – إستراتيجيات التفكير الناقد – إستراتيجيات التفكير الإبداعي) واستعراض تطبيقاتها في الدراسة الجامعية.	4
5	إستراتيجيات التعلم الذاتي والمستمر وتطبيقاتها في الدراسة الجامعية - مفهوم التعلم الذاتي والمستمر - التعلم الذاتي والمستمر: الأهمية والخصائص - إستراتيجيات استخدام التعلم الذاتي والمستمر في الدراسة الجامعية. - أدوات تقويم التعلم الذاتي والمستمر - مهارات التعلم الرقمي	2
6	مهارات القراءة للدراسة الجامعية وإستراتيجيات تطبيقها - إستراتيجيات ما قبل القراءة - إستراتيجيات القراءة الفعلية (القراءة السريعة الشاملة، القراءة المسحية، القراءة المكثفة، إستراتيجيات تحويل الأفكار المقروءة إلى خرائط ذهنية وأشكال منظمة، إستراتيجية PSQ5R في قراءة النصوص الدراسية). - إستراتيجيات ما بعد القراءة (تلخيص المادة المقروءة وإعادة صياغتها، والربط بين الأفكار المتشابهة والخروج باستنتاجات).	2
7	مهارات العرض الفعال - المقومات الرئيسة للعروض التقديمية الفعالة - مهارات التصميم للعروض التقديمية. - مهارات التخطيط للعروض التقديمية - مهارات الإعداد للعروض التقديمية - مهارات التنفيذ للعروض التقديمية - مهارات تقويم العروض التقديمية مهارات لغة الجسد وإستراتيجيات توظيفها أثناء تنفيذ العروض التقديمية.	4
8	الكتابة الأكاديمية وتطبيقاتها في الدراسة الجامعية. - التعريف بالكتابة الأكاديمية - أهمية الكتابة الأكاديمية - خصائص الكتابة الأكاديمية (الدقة والوضوح- الموضوعية- عدم التحيز- التحليل المنطقي- إبداء الآراء).	2

	- مهارات الكتابة الأكاديمية (التخطيط وجمع المعلومات، التنظيم، بناء الأفكار، الصياغة، التحرير، المراجعة).	
9	مهارات البحث العلمي وتطبيقاتها في الدراسة الجامعية - البحث العلمي (المفهوم – الأهداف – الأهمية – الخصائص) - مهارات وخطوات إعداد التقارير والبحوث العلمية - أساليب توثيق في البحث العلمي (مع تدريب الطلبة على أسلوب توثيق واحد على الأقل حسب التخصص APA ، MLA، IEEE ، .. الخ) - مهارات التعامل مع أوعية المعلومات التقليدية - مهارات البحث في قواعد المعلومات الالكترونية - تطبيقات عملية على تطبيقات إدارة المراجع وكتابتها (Medeley, endnote, Zotero) - أخلاقيات البحث العلمي وكتابة التقارير العلمية. - النزاهة الأكاديمية والانتحال في البحث العلمي. - الملكية الفكرية: المفهوم، الأهمية، الاعتبارات العامة المرتبطة بها، صور الملكية الفكرية في البحوث العلمية، أخلاقيات استخدام الذكاء الاصطناعي في البحث.	4
المجموع		30

د. أنشطة تقييم الطلبة

م	أنشطة التقييم	توقيت التقييم (بالأسبوع)	النسبة من إجمالي درجة التقييم
1	التفاعل والمناقشات	طوال الفصل	10
2	التكليفات البحثية	طوال الفصل	10
3	اختبار نصفي	الأسبوع السابع	20
4	اختبار نهائي	الأسبوع الأخير	60

أنشطة التقييم (اختبار تحريري، شفهي، عرض تقديمي، مشروع جماعي، ورقة عمل وغيره).

هـ. مصادر التعلم والمرافق:

1. قائمة المراجع ومصادر التعلم:

المرجع الرئيس للمقرر	- الجريوي، عبد المجيد؛ والترتوري، محمد ؛ والعسكر، عادل (2024) المهارات الجامعية (8). دار جامعة الملك سعود للنشر - أنتوني ما نتج وآخرون. (٢٠٢٠) المهارات الجامعية (ط١) مواءمة ومراجعة: د. منصور سعيد المالكي وآخرون، ريدنج، المملكة المتحدة: جارنت للنشر.
المراجع المساندة	جابر، عبد المطلب ؛ الخثلان، عبد الرحمن؛، السويلم، عمر؛ العوهلي، محمد مهارات الدراسة الجامعية، الظهران: جامعة الملك فهد للبترول والمعادن

المصادر الإلكترونية	المكتبة الرقمية بمكتبة الملك عبد الله بجامعة أم القرى http://uqu.edu.sa/lib/digital_library المكتبة الرقمية السعودية https://sdl.edu.sa/SDLPortal/Publishers.aspx
أخرى	تفعيل نظام إدارة التعلم Blackboard والاستفادة من المميزات التي يوفرها النظام في شرح المقرروالتواصل بين أستاذ المادة والطلبة من جهة، وبين الطلبة وبعضهم من جهة أخرى وتفعيل حلقات النقاش حول المقرر، وتقديم الواجبات، ونشر مدرس المقررللإعلانات الخاصة - بالمقرروإجراء التدريبات للطلبة باستخدام نظام إدارة التعلم الإلكتروني.

2. المرافق والتجهيزات المطلوبة:

العناصر	متطلبات المقرر
المرافق النوعية (القاعات الدراسية، المختبرات، قاعات العرض، قاعات المحاكاة ... إلخ)	القاعات الدراسية ومعامل الكمبيوتر
التجهيزات التقنية (جهاز عرض البيانات، السبورة الذكية، البرمجيات)	أجهزة حاسوب، اتصال بالانترنت، نظام إدارة التعلم Blackboard
تجهيزات أخرى (تبعاً لطبيعة التخصص)	-

و. تقويم جودة المقرر:

مجالات التقويم	المقيمون	طرق التقييم
فاعلية التدريس	الطلاب، مدرس المقرر	غير مباشرة: عن طريق تحليل نتائج استبانة تقييم الطلاب لعضو هيئة التدريس
فاعلية طرق تقييم الطلاب	مدرس المقرر	غير مباشرة: عن طريق تحليل استبانة تقييم الطلاب للمقرر
مصادر التعلم	مدرس المقرروالطلاب	غير مباشرة: عن طريق تحليل نتائج استبانة تقييم المصادر
مدى تحصيل مخرجات التعلم للمقرر	مدرس المقرر	مباشرة: عن طريق قياس نواتج تعلم المقرر
أخرى		

المقيمون (الطلبة، أعضاء هيئة التدريس، قيادات البرنامج، المراجع النظير، أخرى (يتم تحديدها).

طرق التقييم (مباشر وغير مباشر).

ز. اعتماد التوصيف:

جهة الاعتماد	
رقم الجلسة	
تاريخ الجلسة	

توصيف المقرر الدراسي

(بكالوريوس)

اسم المقرر: حفظ القرآن الكريم 1
رمز المقرر: QR2102
البرنامج: البكالوريوس
القسم العلمي: القراءات (مقرر عام يقدم من قسم القراءات لكافة طلبة الجامعة)
الكلية: الدعوة وأصول الدين
المؤسسة: جامعة أم القرى
نسخة التوصيف: الأولى
تاريخ آخر مراجعة: 31 ديسمبر 2024

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جدول المحتويات

أ. معلومات عامة عن المقرر الدراسي: 3
ب. نواتج التعلم للمقرر واستراتيجيات تدريسها وطرق تقييمها: 4
ج. موضوعات المقرر 5
د. أنشطة تقييم الطلبة 6
هـ. مصادر التعلم والمرافق: 6
و. تقويم جودة المقرر: 8
ز. اعتماد التوصيف: 8

أ. معلومات عامة عن المقرر الدراسي: حفظ سورة الكهف.

1. التعريف بالمقرر الدراسي

1. الساعات المعتمدة:
ساعتان أسبوعياً

2. نوع المقرر					
أ -	☒ متطلب جامعة	☐ متطلب كلية	☐ متطلب تخصص	☐ متطلب مسار	☐ أخرى
ب -	☒ إجباري	☐ اختياري			

3. السنة / المستوى الذي يقدم فيه المقرر: (السنة الثانية/ المستوى الرابع)

4. الوصف العام للمقرر
يشتمل المقرر على حفظ سورة الكهف، مع تطبيق أحكام التجويد، وشرح معاني غريب الكلمات القرآنية في السورة.

5- المتطلبات السابقة لهذا المقرر (إن وجدت)
لايوجد.

6- المتطلبات المتزامنة مع هذا المقرر (إن وجدت)
لايوجد.

7. الهدف الرئيس للمقرر
تمكين الطلبة من حفظ سورة الكهف حفظاً متقناً، وفهم معاني غريب كلماتها.

2. نمط التعليم (اختر كل ما ينطبق)

م	نمط التعليم	عدد الساعات التدريسية	النسبة
1	تعليم التقليدي	0	0
2	التعليم الإلكتروني	0	0
3	التعليم المدمج • التعليم التقليدي • التعليم الإلكتروني	0	0
4	التعليم عن بعد	30	%100

3. الساعات التدريسية (على مستوى الفصل الدراسي)

م	النشاط	ساعات التعلم	النسبة
1	محاضرات	30	%100
2	معمل أو إستوديو		
3	ميداني		
4	دروس إضافية		
5	أخرى		
	الإجمالي	30	%100

ب. نواتج التعلم للمقرر واستراتيجيات تدريسها وطرق تقييمها:

الرمز	نواتج التعلم	رمز ناتج التعلم المرتبط بالمؤسسة	استراتيجيات التدريس	طرق التقييم
1.0	المعرفة والفهم			
1.1	تسميع الآيات المقررة أسبوعياً بإتقان.	K1	المحاضرة التلقي والأداء التسميع الأسبوعي	التقييم المستمر- بطاقة الملاحظة- الاختبار النصفي والنهائي
1.2	تبيين معاني غريب الكلمات القرآنية في سورة الكهف.	K1		
2.0	المهارات			
2.1	تطبيق أحكام التجويد أثناء تسميع الآيات تطبيقًا صحيحًا وفق الأداء المتواتر.	K1	المحاضرة- التلقي والأداء - العرض والاستماع- المشاركة – المهام الأدائية	التقييم المستمر- بطاقة الملاحظة- الاختبار النصفي والنهائي
2.2	تمييز الآيات المتشابهة في سورة الكهف.	S1		
2.3	استخدام التقنية من خلال الأدوات التعليمية المساندة في البلاك بورد وبرامج حفظ القرآن الإلكترونية.	S4		
3.0	القيم والاستقلالية والمسؤولية			

الرمز	نواتج التعلم	رمز ناتج التعلم المرتبط بالمؤسسة	استراتيجيات التدريس	طرق التقييم
3.1	العمل ضمن فريق المقرر بكفاءة ومسؤولية من خلال التسميع المتقن، وشرح الغريب، واستخراج الدروس المستفادة من سورة الكهف.	V4	التعليم التعاوني- المجموعات.	سلالم التقدير- بطاقة الملاحظة
3.2	الالتزام بتطوير أدائه في تلاوة القرآن، وتقويم تعلمه لأحكام التجويد من خلال التعلم الذاتي، واتخاذ القرارات المناسبة لمستواه.	V2		

ج. موضوعات المقرر

م	قائمة الموضوعات	الساعات التدريسية المتوقعة
1	التعريف بتوصيف المقرر ومتطلباته، مقدمة تعريفية عن فضل تعلم القرآن، ومقدمة تعريفية عن سورة الكهف، مع تصحيح تلاوة سورة الكهف من آية (١) إلى آية (٨) (مقدمة السورة)، مع التكليف بحفظها، وشرح غريب القرآن.	2
2	تسميع سورة الكهف من آية (١) إلى آية (٨)، وتلاوة سورة الكهف من آية (٩) إلى آية (١٨) (قصة أصحاب الكهف) مع التكليف بحفظها، وشرح غريب القرآن.	2
3	تسميع سورة الكهف من آية (٩) إلى آية (١٨)، وتلاوة سورة الكهف من آية (١٩) إلى آية (٢٢)، (تكملة قصة أصحاب الكهف)، مع التكليف بحفظها، وشرح غريب القرآن.	2
4	تسميع سورة الكهف من آية (١٩) إلى آية (٢٢)، وتلاوة سورة الكهف من آية (٢٣) إلى آية (٣١) (صور من عذاب الظالمين ووصف نعيم المتقين)، مع التكليف بحفظها، وشرح غريب القرآن.	2
5	تسميع سورة الكهف من آية (٢٣) إلى آية (٣١)، وتلاوة سورة الكهف من آية (٣٢) إلى آية (٤٢) (قصة صاحب الجنتين) مع التكليف بحفظها، وشرح غريب القرآن.	2
6	تسميع سورة الكهف من آية (٣٢) إلى آية (42)، تلاوة سورة الكهف من آية (٤٣) إلى آية (٤٩) (صور من أهوال يوم القيامة)، مع التكليف بحفظها، وشرح غريب القرآن.	2
7	تسميع سورة الكهف من آية (٤٣) إلى آية (٤٩)، تلاوة سورة الكهف من آية (٥٠) إلى آية (٥٥) (عداوة الشيطان للإنسان)، مع التكليف بحفظها، وشرح غريب القرآن.	2

8	تسميع سورة الكهف م من آية (٥٠) إلى آية (٥٥)، تلاوة سورة الكهف من آية (٥٦) إلى آية (٥٩) (عناد الظالمين وإعراضهم عن آيات الله)، مع التكليف بحفظها، وشرح غريب القرآن.	2
9	تسميع سورة الكهف من آية (٥٦) إلى آية (٥٩)، وتلاوة سورة الكهف من آية (٦٠) إلى آية (٧٠) (قصة موسى عليه السلام مع الخضر)، مع التكليف بحفظها، وشرح غريب القرآن.	2
10	تسميع سورة الكهف من آية (٦٠) إلى آية (٧٠)، وتلاوة سورة الكهف من آية (٧١) إلى آية (٨٢) (تكملة قصة موسى عليه السلام مع الخضر)، مع التكليف بحفظها، وشرح غريب القرآن.	2
11	تسميع سورة الكهف من آية (٧١) إلى آية (٨٢)، وتلاوة سورة الكهف من آية (٨٣) إلى آية (٩٠) (قصة ذي القرنين)، مع التكليف بحفظها، وشرح غريب القرآن.	2
12	تسميع سورة الكهف من آية (٨٣) إلى آية (٩٠)، وتلاوة سورة الكهف من آية (٩١) إلى آية (٩٨) (تكملة قصة ذي القرنين)، مع التكليف بحفظها، وشرح غريب القرآن.	2
13	تسميع سورة الكهف من آية (٩١) إلى آية (٩٨)، وتلاوة سورة الكهف من آية (٩٩) إلى آية (١٠٤) (الساعة وعلاماتها)، مع التكليف بحفظها، وشرح غريب القرآن.	2
14	تسميع سورة الكهف من آية (٩٩) إلى آية (١٠٤)، وتلاوة سورة الكهف من آية (١٠٥) إلى آية (١١٠) (خاتمة السورة)، مع التكليف بحفظها، وشرح غريب القرآن.	2
15	تسميع سورة الكهف من آية (١٠٥) إلى آية (١١٠).	2
المجموع		30

د. أنشطة تقييم الطلبة

م	أنشطة التقييم	توقيت التقييم (بالأسبوع)	النسبة من إجمالي درجة التقييم
1	عرض الآيات، تسميعها، بيان معاني غريب الكلمات، استخراج الدروس المستفادة من سورة الكهف	مستمر	%20
2	الاختبار النصفي	السابع	%20
3	الاختبار النهائي	الأسبوع السادس عشر	%60

أنشطة التقييم (اختبار تحريري، شفهي، عرض تقديمي، مشروع جماعي، ورقة عمل وغيره).

هـ. مصادر التعلم والمرافق:

1. قائمة المراجع ومصادر التعلم:

المرجع الرئيس للمقرر	القرآن الكريم

	-الميسر في غريب القرآن الكريم المطبوع بمجمع الملك فهد لطباعة المصحف الشريف
المراجع المساندة	- التجويد الميسر المطبوع بمجمع الملك فهد لطباعة المصحف الشريف -البرهان في تجويد القرآن/ محمد الصادق قمحاوي.. -هداية القارئ إلى تجويد كلام البارئ/ عبد الفتاح السيد عجمي المرصفي. - مذكرة في علم التجويد/ محمد نبهان بن حسين مصري - تحفة الأطفال وشرحها / للشيخ الجمزوري
المصادر الإلكترونية	- موقع مكتبة جامعة أم القرى https://uqu.edu.sa/lib - مجمع الملك فهد لطباعة المصحف الشريف https://qurancomplex.gov.sa/ - تطبيق مصحف المدينة النبوية - حفص https://qurancomplex.gov.sa/apps-hafs/ - تطبيق آيات: مشروع المصحف الإلكتروني بجامعة الملك سعود - https://quran.ksu.edu.sa/ayat/
أخرى	

2. المرافق والتجهيزات المطلوبة:

العناصر	متطلبات المقرر
المرافق النوعية (القاعات الدراسية، المختبرات، قاعات العرض، قاعات المحاكاة ... إلخ)	القاعات الدراسية ومعامل الكمبيوتر
التجهيزات التقنية (جهاز عرض البيانات، السبورة الذكية، البرمجيات)	أجهزة حاسوب، اتصال بالانترنت، نظام إدارة التعلم Blackboard
تجهيزات أخرى (تبعاً لطبيعة التخصص)	

و. تقويم جودة المقرر:

مجالات التقويم	المقيمون	طرق التقييم
فاعلية التدريس	الطلاب، مدرس المقرر	غير مباشرة: عن طريق تحليل نتائج استبانة تقييم الطلاب لعضو هيئة التدريس
فاعلية طرق تقييم الطلاب	مدرس المقرر	غير مباشرة: عن طريق تحليل استبانة تقييم الطلاب للمقرر
مصادر التعلم	مدرس المقرر والطلاب	غير مباشرة: عن طريق تحليل نتائج استبانة تقييم المصادر
مدى تحصيل مخرجات التعلم للمقرر	مدرس المقرر	مباشرة: عن طريق قياس نواتج تعلم المقرر
أخرى		

المقيمون (الطلبة، أعضاء هيئة التدريس، قيادات البرنامج، المراجع النظير، أخرى (يتم تحديدها).

طرق التقييم (مباشر وغير مباشر).

ز. اعتماد التوصيف:

جهة الاعتماد	مجلس قسم القراءات
رقم الجلسة	
تاريخ الجلسة	

Level [3]

Course Specification
(Bachelor)

Course Title:	**Small Public Buildings Design Studio**
Course Code:	**ARC 2002**
Program:	**Bachelor of Architecture and Planning**
Track:	**(General Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UN15

Courses Group: Des. Proc.

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2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	5 Cr. Hrs.	**Contact hours:**	10 Hrs. / week

2. Course type

a.	University		College		Department	●	Track		Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 2 Level 3

4. Course general description:

This studio course focuses on the design of small-scale public buildings such as kindergartens, restaurants, post offices, bank branches, and fire stations. It builds on values, knowledge, and skills acquired in previous courses, applying them creatively to project development. Students engage in all design phases, from concept to detailed planning, while honing their CAD software skills. The studio fosters comprehensive architectural problem-solving to develop sound design decisions and creative architectural solutions.

5. Pre-requirements for this course (if any):

ARC 1001	Fundamental Design Principles Studio	Year: 1	Level: 2

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to guide students in defining the functional requirements and spatial relationships essential for small public buildings. Students will gain a deep understanding of design theories and principles related to the built environment and learn to apply them in creating innovative and contextually appropriate architectural concepts. They will develop their ability to use manual and digital tools effectively to develop and present their design projects. The course encourages persistence and excellence, fostering students' commitment to achieving high-quality, impactful architectural solutions.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	10	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	0
2	Practical	0
3	Studio	150
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**150**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Define functional requirements and relationships for different sectors of the built environment. (K1-b)	**K1**	Self–Learning (Research work)	Eval. of Research
1.2	Demonstrate an understanding of theories of the built environment. (K1-f)	**K1**	Self–Learning (Research work)	Eval. of Research
	Skills			
2.1	Create innovative concepts and forms for the built environment. (S1-c)	**S1**	Self–Learning	Eval. of Project(s)
2.2	Apply the theories and methods of designing the built environment. (S1-d)	**S1**	Indirect L. (Problems solving)	Eval. of Project(s)
2.3	Utilize manual skills to effectively develop and present projects. (S4-a)	**S4**	Self–Learning	Eval. of Project(s)
	()			
	Values, autonomy, and responsibility			
3.1	Demonstrate persistence on achievement and distinction. (V2-d)	**V2**	Self–Learning	Assignments & Tasks

C. Course Content

No	List of Topics	Contact
1	Course identification and introduction to the project	10
2	Analysis of similar projects, site analysis and building code	10
3	Preliminary study of the project and its components	10
4	Development of plans and structure system -Part 1	10
5	Development of plans and structure system -Part 2	10
6	Development of plans and structure system -Part 3	10
7	Development of plans and structure system -Part 4	10
8	Development of sections and elevations -Part 1	10
9	Development of sections and elevations -Part 2	10
10	Development of sections and elevations -Part 3	10
11	Development of sections and elevations -Part 4	10
12	Full project development -Part 1	10
13	Full project development -Part 2	10
14	Full project development -Part 3	10
15	Full project development -Part 4	10
	Total	150

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	Cont. Assess. (Eval. of Research, Eval. of Project(s), Assignments & Tasks)	1 to 15	70
2	Mid-Term Exam (Drawing Exam)	7	10
3	Final Submission (Final Project Oral Exam)	16	20

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Neufert, E. et al. (2023). Architects' Data. Wiley-Blackwell.
	Watson, D., & Crosbie, M. (2005). Time-saver standards for architectural design. McGraw-Hill.
Supportive References	De Chiara, J., & De Chiara, J. (2001). Time-saver standards for building types. McGraw-Hill.
	Baker, G. (2006). Design strategies in architecture. Routledge.
	Buxton, P. (2022). Metric handbook: planning and design data. Routledge.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Studio
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Abdullah Abdulhameed Bagasi	**Ahmed M. A. Shehata**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Building Construction Studio 1**
Course Code:	**ARC 2301**
Program:	**Bachelor of Architecture and Planning**
Track:	**(General Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UN16

Courses Group: Constr. & Bldg. Syst.

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1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	4 Hrs. / week

2. Course type

a.	University		College		Department	●	Track		Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 2 Level 3

4. Course general description:

This studio illustrates fundamental properties of building materials. It also emphasizes the crucial first phase of construction: site preparation, safety, foundations, and bearing-walls working drawings. Students will apply their knowledge through practical exercises, focusing on the preparation of construction sites, foundations, and bearing-walls working drawings for the housing unit they have previously designed in Fundamental Design Principles Studio.

5. Pre-requirements for this course (if any):

ARC 1001 Fundamental Design Principles Studio Year: 1 Level: 2

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to provide students with a thorough understanding of the first phases of the building construction process. Students will develop the ability to create detailed construction drawings with efficiency and precision, ensuring clarity in communication. Emphasis will be placed on fostering a commitment to excellence, encouraging students to persist in achieving high standards and distinction throughout their work in building construction.

2. Teaching mode

(Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	4	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	0
2	Practical	0
3	Studio	60
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**60**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of building materials and structure systems. (K2-a)	**K2**	Direct Learning (Lecture)	Written Assgs./ Exams
1.2	Demonstrate an understanding of the construction process. (K2-d)	**K2**	Blended Learning (Flipped classroom)	Written Assgs./ Exams
	Skills			
2.1	Apply knowledge of structural systems and materials selection. (S1-e)	**S1**	Self–Learning	Eval. of Project(s)
2.2	Create drawings with efficiency and precision. (S4-c)	**S4**	Self–Learning	Eval. of Project(s)
	()			
	Values, autonomy, and responsibility			
3.1	Demonstrate persistence on achievement and distinction. (V2-d)	**V2**	Self–Learning	Assignments & Tasks

C. Course Content

No	List of Topics	Contact
1	Building materials and building material science	4
2	Building site: Receiving and preparation	4
3	Building site: Safety considerations	4
4	Site planning, temporary constructions and earthwork	4
5	Slope protection and retaining walls	4
6	Equipment for site works and transportation construction	4
7	Soils: Types and properties.	4
8	Soils: Mechanics and testing	4
9	Foundations: Shallow foundations	4
10	Foundations: Deep foundations	4
11	Load-bearing walls: Brickwork	4
12	Project development: Shallow foundation of the housing unit	4
13	Project development: Plans (Load-bearing wall working drawings) - P1	4
14	Project development: Plans (Load-bearing wall working drawings) - P2	4
15	Project development: Section and elevations (Load-bearing wall working drawings)	4
	Total	60

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	Cont. Assess. (Written Assgs./ Exams, Eval. of Project(s), Assignments & Tasks)	1 to 15	60
2	Mid-Term Exam (Written and Drawing Exam)	7	20
3	Final Submission of the Project	16	20

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Peurifoy, R. L. (2023). Construction planning, equipment, and methods. Mcgraw-Hill.
	Levy, S. (2010). Construction Databook. McGraw-Hill.
Supportive References	Kultermann, E., & Spence, W. (2021). Construction materials, methods and techniques. Cengage.
	McMorrough, J. (2018). The Architecture Reference & Specification Book updated & revised. Rockport Pub.
	Ching, D.K. (2020). Building construction illustrated. Van Nostrad Reinhold.
	McKay, W. B. (2005). McKay's Building Construction. Routledge.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Studio
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Abdullah Abdulhameed Bagasi	**Mohamed Atef Elhamy Kamel**	**Oumr Adnan Osra**
Head of PPC	Head of C&SPC	Head of D&QC
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	3D Modeling
Course Code:	ARC 2106
Program:	Bachelor of Architecture and Planning
Track:	(General Architecture)
Department:	Architecture
College:	Engineering and Architecture
Institution:	Umm Al-Qura University
Version:	1
Last Revision Date:	Jan, 2025

* UN17

Courses Group: C. Rep. & Vis.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	3 Cr. Hrs.	**Contact hours:**	5 Hrs. / week

2. Course type

a.	University		College		Department	●	Track		Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 2 Level 3

4. Course general description:

This course introduces students to 3D modeling for architectural design, a crucial tool for visualizing exterior and interior projects. Students will learn to use computer modeling software efficiently, covering detailed procedures such as texture mapping, navigation, lighting, rendering, and animation. The course emphasizes practical application, with students applying their skills to the housing unit they previously designed in the architectural design studio, enhancing their ability to create highly appealing visualizations.

5. Pre-requirements for this course (if any):

ARC 1104 Vector-based Drawing Year: 1 Level: 2

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to equip students with the necessary skills to proficiently use 3D modeling software for architectural design. Students will learn to apply digital tools effectively to communicate design concepts and enhance the visualization of the built environment. They will develop the ability to integrate digital skills throughout the design process, from initial modeling to final presentation. Additionally, students will take responsibility for their ongoing learning, continuously improving their technical proficiency and design capabilities.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	5	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	45
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**75**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of the required knowledge to use software in designing the built environment. (K1-l)	**K1**	Direct Learning (Lecture)	Computer-based Assgs./ Exams
	Skills			
2.1	Effectively apply digital skills to enhance communication. (S5-b)	**S5**	Self–Learning	Computer-based Assgs./ Exams
2.2	Effectively use digital skills throughout the design process of the built environment. (S6-a)	**S6**	Self–Learning	Computer-based Assgs./ Exams
	()			
	Values, autonomy, and responsibility			
3.1	Demonstrate responsibility for self-learning and ongoing development. (V2-b)	**V2**	Self–Learning	Computer-based Assgs./ Exams

C. Course Content

No	List of Topics	Contact
1	Introduction to 3D modeling	5
2	3D surface modeling - Part 1	5
3	3D surface modeling - Part 2	5
4	3D surface modeling - Part 3	5
5	3D solid modeling - Part 1	5
6	3D solid modeling - Part 2	5
7	3D solid modeling - Part 3	5
8	Edit tools 1	5
9	Edit tools 2	5
10	Applying and creating materials and texturing	5
11	Lighting	5
12	Rendering	5
13	Basics of animation - Part 1	5
14	Basics of animation - Part 2	5
15	Project follow-up	5
	Total	75

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	Cont. Assess. (Computer-based Assgs./ Exams)	1 to 15	40
2	Mid-Term Exam (Computer-Based Exam)	7	20
3	Final Exam (Computer-Based Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Coward, C. (2019). A beginner's guide to 3D modeling. No Starch Press.
	Mortenson, M. (2019). 3D Modeling, Animation, and Rendering. CreateSpace.
Supportive References	Chong, S. (2019). Rhinoceros Visualisation & Rendering.
	Chong, S. (2021). Rhinoceros Organic Modelling.
	Hamad, M. (2024). AutoCAD 2025 3D Modeling. Stylus Publishing.
	Willis, J. & Dogra, S. (2023). Autodesk Inventor Exercises - Learn by Practicing. Independently Pub.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Computer Lab.
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
	Applications software
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Abdullah Abdulhameed Bagasi	**Wajdy Sadagh A. Qattan**	**Oumr Adnan Osra**
Head of PPC	Head of C&SPC	Head of D&QC
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Buildings Design Standards 1**
Course Code:	**ARC 2010**
Program:	**Bachelor of Architecture and Planning**
Track:	**(General Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UN18

Courses Group: Des. Proc.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department	●	Track		Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 2 Level 3

4. Course general description:

This course provides foundational knowledge and skills for analyzing building elements and understanding design standards for various types of simple buildings. Students will explore considerations for different building types, including small libraries, schools, restaurants, clinics, banks, art galleries, malls, cinemas, exhibitions, office buildings, and mosques. The course emphasizes practical analysis of design requirements and standards, preparing students to approach diverse architectural projects with a comprehensive understanding of functional and regulatory considerations.

5. Pre-requirements for this course (if any):

ARC 1001	Fundamental Design Principles Studio	Year: 1	Level: 2

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to help students define the functional requirements and relationships within various sectors of the built environment, ensuring a comprehensive understanding of design standards. Students will gain an understanding of the key theories that shape buildings and apply them effectively in their work. The course encourages independent learning, prompting students to seek and apply relevant knowledge in a thoughtful manner. Additionally, students will be expected to demonstrate self-discipline, punctuality, and a strong work ethic throughout the course.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Define functional requirements and relationships for different sectors of the built environment. (K1-b)	**K1**	Direct Learning (Lecture)	Written Exam
1.2	Demonstrate an understanding of theories of the built environment. (K1-f)	**K1**	Direct Learning (Lecture)	Written Exam
1.3	Explain the impact of different aspects on the built environment. (K1-h)	**K1**	Direct Learning (Lecture)	Written Exam
	Skills			
2.1	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning (Research work)	Eval. of Research
	()			
	Values, autonomy, and responsibility			
3.1	Demonstrate self-discipline and punctuality. (V1-a)	**V1**	Self–Learning	Direct Observation

C. Course Content

No	List of Topics	Contact
1	Introduction	2
2	Design standards for houses and residential buildings - part 1	2
3	Houses and residential buildings - part 2	2
4	Educational buildings: Child daycare centers	2
5	Educational buildings: Small Libraries	2
6	Educational buildings: Schools	2
7	Hospitality building: Cafeterias and Restaurants	2
8	Hospitality building: Motel	2
9	Healthcare building: Clinics	2
10	Commercial building: Small Bank Branch	2
11	Commercial building: Small Malls	2
12	Cultural building: Art galleries and Exhibitions	2
13	Cultural building: Cinemas	2
14	Religious building: Mosques	2
15	Outdoor Parkings	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research)	14	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Neufert, E. et al. (2023). Architects' Data. Wiley-Blackwell.
	De Chiara, J., & De Chiara, J. (2001). Time-saver standards for building types. McGraw-Hill.
Supportive References	Perkins, L. (2010). Building type basics for elementary and secondary schools. John Wiley & Sons.
	Kobus, R., et al. (2008). Building type basics for healthcare facilities. Wiley.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Abdullah Abdulhameed Bagasi	**Ahmed M. A. Shehata**	**Oumr Adnan Osra**
Head of PPC	Head of C&SPC	Head of D&QC
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
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Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission

اعتماد
NCAAA

2024
TP-153

Course Specification
(Bachelor)

Course Title:	**Environmental Control Systems**
Course Code:	**ARC 2307**
Program:	**Bachelor of Architecture and Planning**
Track:	**(General Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UN19

Courses Group: Constr. & Bldg. Syst.

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A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department	●	Track		Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 2 Level 3

4. Course general description:

This course explores the interaction between buildings and climate, focusing on creating comfortable and controlled environments for occupants. It examines both natural and man-made effects on building performance and comfort. Students will study examples of passive design strategies tailored to hot-humid and hot-arid climates, learning techniques to enhance building efficiency and user comfort through climate-responsive design approaches.

5. Pre-requirements for this course (if any):

ARC 1001 Fundamental Design Principles Studio Year: 1 Level: 2

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to help students understand the impact of various environmental factors on buildings, emphasizing the integration of human needs with environmental considerations. Students will learn to make informed design decisions that balance user requirements with sustainability and environmental impact. The course encourages students to actively contribute to addressing the challenges of creating environmentally responsible and efficient architectural solutions. Through this, students will develop a holistic understanding of environmental control systems in relation to the built environment.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Explain the impact of different aspects on the built environment. (K1-h)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
1.2	Demonstrate an understanding of the mutual integration between human and the environment. (K1-i)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
	Skills			
2.1	Make design decisions considering user requirements and various environmental impacts. (S1-a)	**S1**	Self–Learning	Assignments & Tasks
	()			
	Values, autonomy, and responsibility			
3.1	Contribute actively to addressing challenges related to the built environment. (V2-a)	**V2**	Self–Learning	Assignments & Tasks

C. Course Content

No	List of Topics	Contact
1	Macro and micro climate, and climatic zones characteristics	2
2	Climatic factors and thermal comfort	2
3	Sun path diagram and solar control	2
4	Temperature and thermal transfer	2
5	Thermal transfer control	2
6	Wind rose, wind effects and air flow patterns	2
7	Wind control methods	2
8	Air pollution and purification	2
9	Precipitation and humidity	2
10	Daylight: Definition, components and factors	2
11	Daylight design	2
12	Acoustic control systems	2
13	Passive design in hot-humid climate	2
14	Passive design in hot-arid climate	2
15	Introduction to active design systems	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Assignments & Tasks)	1 to 15	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Bainbridge, D., & Haggard, K. (2011). Passive Solar Architecture. Chelsea Green Publishing.
	Grondzik, W. & Kwok, A. (2019). Mechanical and Electrical Equipment for Buildings. John Wiley & Sons.
Supportive References	Olgyay, V. (1992). Design with Climate: Bioclimatic Approach to the Architectural Regionalism, Willy.
	Pelsmakers, S. (2019). The Environmental Design Pocketbook. London, Riba Publishing
	Phillips, D. (2004). Daylighting: Natural Light in Architecture. Architectural Press.
	كفاءة. (2021). الدليل الإرشادي لأنظمة ومواد العزل الحراري وفق متطلبات كود البناء السعودي.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review **Abdullah Abdulhameed Bagasi**	Course Coordinator **Mohamed Atef Elhamy Kamel**	Head of Department **Oumr Adnan Osra**
Head of PPC **Mohamed Atef Elhamy Kamel**	Head of C&SPC **Mohamed Wahba Ibrahim Khalil**	Head of D&QC **Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

توصيف المقرر الدراسي

(بكالوريوس)

اسم المقرر: مقدمة في الذكاء الاصطناعي
رمز المقرر: AI2001
البرنامج:
القسم العلمي: علوم الحاسب والذكاء الاصطناعي
الكلية: الحاسبات
المؤسسة: جامعة أم القرى
نسخة التوصيف: 1
تاريخ آخر مراجعة: 9-4-2025

HA

جدول المحتويات

أ. معلومات عامة عن المقرر الدراسي: 3
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ز. اعتماد التوصيف: 8

أ. معلومات عامة عن المقرر الدراسي:

1. التعريف بالمقرر الدراسي

1. الساعات المعتمدة: 2					
2. نوع المقرر					
أ -	☒ متطلب جامعة	☐ متطلب كلية	☐ متطلب تخصص	☐ متطلب مسار	☐ أخرى
ب -	☒ إجباري	☐ اختياري			
3. السنة / المستوى الذي يقدم فيه المقرر: السنة الأولى / المستوى الأول					
4. الوصف العام للمقرر					
يقدم هذا المقرر للطالب المفاهيم الأساسية في مجال الذكاء الاصطناعي، حيث يتم استعراض المبادئ النظرية والتطبيقية لهذا المجال. يغطي المقرر مفهوم وتاريخ وتطور الذكاء الاصطناعي والتقنيات الأساسية التي يعتمد عليها. كما يركز على تطبيقات الذكاء الاصطناعي في مجالات متنوعة وتأثيرها على الحياة اليومية، بالإضافة إلى مناقشة الجوانب الأخلاقية والتحديات المرتبطة بهذا المجال.					
5- المتطلبات السابقة لهذا المقرر (إن وجدت)					
6- المتطلبات المتزامنة مع هذا المقرر (إن وجدت)					
7. الهدف الرئيس للمقرر					
يهدف هذا المقرر الى تعريف الطلاب بمفهوم الذكاء الاصطناعي وأهميته، واستكشاف تطبيقاته في مختلف مجالات الحياة اليومية والمهنية، مع تعزيز قدرتهم على الفهم الأساسي للتقنيات والمصطلحات المستخدمة، وتطوير وعيهم بالتحديات الأخلاقية والتقنية المرتبطة به.					

2. نمط التعليم (اختر كل ما ينطبق)

م	نمط التعليم	عدد الساعات التدريسية	النسبة
1	تعليم التقليدي	0	0
2	التعليم الإلكتروني	0	0
3	التعليم المدمج	0	0

م	نمط التعليم	عدد الساعات التدريسية	النسبة
	• التعليم التقليدي • التعليم الإلكتروني		
4	التعليم عن بعد	30	%100

3. الساعات التدريسية (على مستوى الفصل الدراسي)

م	النشاط	ساعات التعلم	النسبة
1	محاضرات	30	100%
2	معمل أو إستوديو		
3	ميداني		
4	دروس إضافية		
5	أخرى		
	الإجمالي	30	100%

ب. نواتج التعلم للمقرر واستراتيجيات تدريسها وطرق تقييمها:

الرمز	نواتج التعلم	رمز ناتج التعلم المرتبط بالبرنامج	استراتيجيات التدريس	طرق التقييم
1.0	المعرفة والفهم			
1.1	يشرح المفاهيم الأساسية للذكاء الاصطناعي	K1	محاضرات، قراءات وتعلم ذاتي، التدريبات والانشطة في قاعة الدرس وخارجها،	اختبار تحريري وواجبات عبر منصة البلاك بورد
2.0	المهارات			
2.1	يستخدم التطبيقات العملية المختلفة للذكاء الاصطناعي	S4	محاضرات، قراءات وتعلم ذاتي، التدريبات والانشطة في قاعة الدرس وخارجها،	اختبار تحريري وواجبات عبر منصة البلاك بورد
2.2	يستطيع ربط تطبيقات الذكاء الاصطناعي بتحديات الحياة اليومية	S1	محاضرات، التدريبات والانشطة في قاعة الدرس وخارجها، المواقع والأدوات المتوفرة عبر شبكة الانترنت	اختبار تحريري وواجبات عبر منصة البلاك بورد
2.3	يحلل التطبيقات المختلفة للذكاء الاصطناعي ويقيم فعاليتها	S2	محاضرات، التدريبات والانشطة في قاعة الدرس وخارجها، المواقع والأدوات المتوفرة عبر شبكة الانترنت	اختبار تحريري وواجبات عبر منصة البلاك بورد

الرمز	نواتج التعلم	رمز ناتج التعلم المرتبط بالبرنامج	استراتيجيات التدريس	طرق التقييم
2.4	يقيم فوائد الذكاء الاصطناعي في تسهيل الأمور الحياتية	S1	محاضرات، التدريبات والانشطة في قاعة الدرس وخارجها، المواقع والأدوات المتوفرة عبر شبكة الانترنت	اختبار تحريري وواجبات عبر منصة البلاك بورد
3.0	القيم والاستقلالية والمسؤولية			
3.1	يلتزم بالأخلاقيات في استخدام الذكاء الاصطناعي	V1	محاضرات، قراءات وتعلم ذاتي، التدريبات والانشطة في قاعة الدرس وخارجها	اختبار تحريري وواجبات عبر منصة البلاك بورد

ج. موضوعات المقرر

م	قائمة الموضوعات	الساعات التدريسية المتوقعة
1	نبذة تعريفية عن الذكاء الاصطناعي • نشأة الذكاء الاصطناعي وتطوره • الذكاء الاصطناعي ومجالاته، استخداماته وتحدياته • مصطلحات ومفاهيم أساسية في الذكاء الاصطناعي • المستقبل والتوجهات الحديثة (يشمل التوقعات المستقبلية ودوره في القطاعات المختلفة) • استراتيجية المملكة الوطنية للبيانات والذكاء الاصطناعي	2
2	الذكاء الاصطناعي والبيانات • البيانات والمعلومات في الذكاء الاصطناعي • أهمية البيانات في تطبيقات الذكاء الاصطناعي • مفاهيم أساسية لجمع وتنظيم البيانات واستخدامها في الأنظمة الذكية • تدريب عملي: تنظيم البيانات باستخدام جداول البيانات	2
3	أساسيات الذكاء الاصطناعي: الأنواع، آلية العمل، وتقنيات التعلم • أنواع الذكاء الاصطناعي وآلية عمله. • تقنيات التعلم في الذكاء الاصطناعي.	2
4	التواصل مع الذكاء الاصطناعي • كيف يفهم الذكاء الاصطناعي اللغة؟ (مقدمة لمعالجة اللغة الطبيعية وتطبيقاتها مثل الدردشة الآلية والترجمة) • تجربة واستخدام أداة دردشة آلية	2
5	أدوات تطوير تطبيقات الذكاء الاصطناعي بدون برمجة • أساسيات الرؤية الحاسوبية والتعرف على الصور والأشكال • تطبيقات مبسطة للتعرف على الأصوات، الصور، والحركة باستخدام أدوات الذكاء الاصطناعي بدون برمجة	4
6	الذكاء الاصطناعي التوليدي • تعريف الذكاء الاصطناعي التوليدي ومبادئه • حالات الاستخدام، المنافع والمخاطر • أدوات الذكاء الاصطناعي التوليدي (مثل ChatGPT، Gemini، DALL-E .....)	2

7	هندسة الأوامر وتأثيرها على مخرجات الذكاء الاصطناعي التوليدي • تصنيف وصياغة الأوامر التوجيهية • التحديات والمشاكل الشائعة في صياغة الأوامر التوجيهية	2
8	استخدام تطبيقات الذكاء الاصطناعي في القطاعات المختلفة: • التعلم والبحث العلمي • تطوير المهارات الاكاديمية والمهنية	2
9	استخدام تطبيقات الذكاء الاصطناعي في القطاعات المختلفة: • الحج والعمرة • النقل	2
10	استخدام تطبيقات الذكاء الاصطناعي في القطاعات المختلفة: • الصحة • الترفيه • الابداع والابتكار	2
11	بناء تطبيقات الذكاء الاصطناعي • دورة حياة تصميم مشاريع الذكاء الاصطناعي • كيفية اختيار تطبيق او نظام الذكاء الاصطناعي المناسب • أدوات الذكاء الاصطناعي المساعدة	2
12	المدن الذكية والذكاء الاصطناعي • البنية التحتية الذكية والنقل المستدام • الأمان وإدارة الأزمات في المدن الذكية	2
13	الذكاء الاصطناعي والمجتمع • تأثير الذكاء الاصطناعي على المجتمع • الذكاء الاصطناعي وسوق العمل	2
14	أخلاقيات استخدامات الذكاء الاصطناعي • الجوانب الأخلاقية في الذكاء الاصطناعي • بدلها حوكمة الذكاء الاصطناعي وتنظيم استخداماته (يشمل الحوكمة، التشريعات، وأطر التنظيم للأنظمة الذكية). • الاتجاهات المستقبلية وأثر الأخلاقيات على تطوير الذكاء الاصطناعي	2
المجموع		30

د. أنشطة تقييم الطلبة

م	أنشطة التقييم	توقيت التقييم (بالأسبوع)	النسبة من إجمالي درجة التقييم
1	واجبات	15-2	40%
2	اختبار تحريري نهائي	16	60%

أنشطة التقييم (اختبار تحريري، شفهي، عرض تقديمي، مشروع جماعي، ورقة عمل وغيره).

هـ. مصادر التعلم والمرافق:

1. قائمة المراجع ومصادر التعلم:

المرجع الرئيس للمقرر	• Graley, J. F. (2024). Understanding artificial intelligence {AI}. volume One, a comprehensive beginners guide to the World of Artificial Intelligence. Books of Understanding. • Taulli, T(2019). Artificial Intelligence Basics: A Non-Technical Introduction. Apress • Russell, S. J., & Norvig, P. (2020). Artificial intelligence: a modern approach. pearson. 4th Edition
المراجع المساندة	• مقدمة في الذكاء الاصطناعي التوليدي، أ.د. هند بنت سليمان الخليفة (2023) • Taylor,G .(2024). Generative Artificial Intelligence for Beginners: Unravel the Mysteries of AI With Ease and Confidence Through Practical Guides, Ethical Insights, and Real-World Applications, Enlighten Press. • Boddington, P. 2023. Methods in Applied Ethics. In AI Ethics: A Textbook. Springer Nature Singapore
المصادر الإلكترونية	• https://teachablemachine.withgoogle.com/ • https://monkeylearn.com/ • https://orangedatamining.com/workflows/Hierarchical-Clustering • INTRODUCTION TO ARTIFICIAL INTELLIGENCE (AI) TECHNOLOGY GUIDE FOR TRAVEL & TOURISM LEADERS • SDAIA Publications
أخرى	

2. المرافق والتجهيزات المطلوبة:

العناصر	متطلبات المقرر
المرافق النوعية (القاعات الدراسية، المختبرات، قاعات العرض، قاعات المحاكاة ... إلخ)	**القاعات الدراسية ومعامل الكمبيوتر**
التجهيزات التقنية (جهاز عرض البيانات، السبورة الذكية، البرمجيات)	**أجهزة حاسوب، اتصال بالإنترنت، نظام إدارة التعلم Blackboard**
تجهيزات أخرى (تبعاً لطبيعة التخصص)	

و. تقويم جودة المقرر:

مجالات التقويم	المقيمون	طرق التقييم
فاعلية التدريس	الطلاب، مدرس المقرر	غير مباشرة: عن طريق تحليل نتائج استبانة تقييم الطلاب لعضو هيئة التدريس
فاعلية طرق تقييم الطلاب	مدرس المقرر	غير مباشرة: عن طريق تحليل استبانة تقييم الطلاب للمقرر
مصادر التعلم	مدرس المقرر والطلاب	غير مباشرة: عن طريق تحليل نتائج استبانة تقييم المصادر
مدى تحصيل مخرجات التعلم للمقرر	مدرس المقرر	مباشرة: عن طريق قياس نواتج تعلم المقرر
أخرى		

المقيمون (الطلبة، أعضاء هيئة التدريس، قيادات البرنامج، المراجع النظير، أخرى (يتم تحديدها).

طرق التقييم (مباشر وغير مباشر).

ز. اعتماد التوصيف:

جهة الاعتماد	
رقم الجلسة	
تاريخ الجلسة	

توصيف المقرر الدراسي

(بكالوريوس)

اسم المقرر: حفظ القرآن الكريم 2
رمز المقرر: QR2103
البرنامج: البكالوريوس
القسم العلمي: القراءات (مقرر عام يقدم من قسم القراءات لكافة طلبة الجامعة)
الكلية: الدعوة وأصول الدين
المؤسسة: جامعة أم القرى
نسخة التوصيف: الأولى
تاريخ آخر مراجعة: 31 ديسمبر 2024

HA

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أ. معلومات عامة عن المقرر الدراسي: حفظ سورة يوسف عليه السلام.

1. التعريف بالمقرر الدراسي

1. الساعات المعتمدة:
ساعتان أسبوعياً

2. نوع المقرر					
أ -	☒ متطلب جامعة	☐ متطلب كلية	☐ متطلب تخصص	☐ متطلب مسار	☐ أخرى
ب -	☒ إجباري	☐ اختياري			

3. السنة / المستوى الذي يقدم فيه المقرر: (السنة الثانية/ المستوى الرابع)

4. الوصف العام للمقرر
يشتمل المقرر على حفظ سورة يوسف عليه السلام، مع تطبيق أحكام التجويد، وشرح معاني غريب الكلمات القرآنية في السورة.

5- المتطلبات السابقة لهذا المقرر(إن وجدت)
لا يوجد.

6- المتطلبات المتزامنة مع هذا المقرر(إن وجدت)
لا يوجد.

7. الهدف الرئيس للمقرر
تمكين الطلبة من حفظ سورة يوسف عليه السلام حفظاً متقناً، وفهم معاني غريب كلماتها.

2. نمط التعليم (اختر كل ما ينطبق)

م	نمط التعليم	عدد الساعات التدريسية	النسبة
1	تعليم التقليدي	0	0
2	التعليم الإلكتروني	0	0
3	التعليم المدمج • التعليم التقليدي • التعليم الإلكتروني	0	0
4	التعليم عن بعد	30	%100

3. الساعات التدريسية (على مستوى الفصل الدراسي)

م	النشاط	ساعات التعلم	النسبة
1	محاضرات	30 ساعة	%100
2	معمل أو إستوديو		
3	ميداني		
4	دروس إضافية		
5	أخرى		
	الإجمالي	30 ساعة	%100

ب. نواتج التعلم للمقرر واستراتيجيات تدريسها وطرق تقييمها:

الرمز	نواتج التعلم	رمز ناتج التعلم المرتبط بالمؤسسة	استراتيجيات التدريس	طرق التقييم
1.0	المعرفة والفهم			
1.1	تسميع الآيات المقررة أسبوعياً بإتقان.	K1	المحاضرة التلقي والأداء التسميع الأسبوعي	التقييم المستمر- بطاقة الملاحظة- الاختبار النصفي والنهائي
1.2	تبيين معاني غريب الكلمات القرآنية في سورة يوسف -عليه السلام-.	K1		
2.0	المهارات			
2.1	تطبيق أحكام التجويد أثناء تسميع الآيات تطبيقًا صحيحًا وفق الأداء المتواتر.	K1	المحاضرة- التلقي والأداء - العرض والاستماع- المشاركة – المهام الأدائية	التقييم المستمر- بطاقة الملاحظة- الاختبار النصفي والنهائي
2.2	تمييز الآيات المتشابهة في سورة يوسف.	S1		
2.3	استخدام التقنية من خلال الأدوات التعليمية المساندة في Blackboard وبرامج حفظ القرآن الإلكترونية.	S4		
3.0	القيم والاستقلالية والمسؤولية			
3.1	العمل ضمن فريق المقرر بكفاءة ومسؤولية من خلال التسميع المتقن، وشرح الغريب،	V4	التعليم التعاوني- المجموعات.	سلالم التقدير- بطاقة الملاحظة

الرمز	نواتج التعلم	رمز ناتج التعلم المرتبط بالمؤسسة	استراتيجيات التدريس	طرق التقييم
	واستخراج الدروس المستفادة من سورة الكهف.			
3.2	الالتزام بتطوير أدائه في تلاوة القرآن، وتقويم تعلمه لأحكام التجويد من خلال التعلم الذاتي، و اتخاذ القرارات المناسبة لمستواه.	V2		

ج. موضوعات المقرر

م	قائمة الموضوعات	الساعات التدريسية المتوقعة
1	التعريف بتوصيف المقررومتطلباته، مقدمة تعريفية عن فضل تعلم القرآن، ومقدمة تعريفية عن سورة يوسف -عليه السلام-، مع تصحيح تلاوة سورة يوسف عليه السلام من 1إلى 7 (مقدمة القصة، ورؤية يوسف عليه السلام)، مع التكليف بحفظها، وشرح غريب القرآن.	2
2	تسميع سورة يوسف عليه السلام من 1-7، تلاوة سورة يوسف عليه السلام من 8-15(مؤامرة إخوة يوسف عليه السلام) مع التكليف بحفظها، وشرح غريب القرآن.	2
3	تسميع سورة يوسف عليه السلام من 8-15، تلاوة سورة يوسف عليه السلام من 16-20 (مصيريوسف عليه السلام بعد مؤامرة إخوته)، مع التكليف بحفظها، وشرح غريب القرآن.	2
4	تسميع سورة يوسف عليه السلام من 16-20، تلاوة سورة يوسف عليه السلام 21-29 (كيد امرأة العزيزوموفق يوسف عليه السلام منه)، مع التكليف بحفظها، وشرح غريب القرآن.	2
5	تسميع سورة يوسف عليه السلام من 21-29، تلاوة سورة يوسف عليه السلام 30-35 (ثبات يوسف عليه السلام أمام الفتن) مع التكليف بحفظها، وشرح غريب القرآن.	2
6	تسميع سورة يوسف عليه السلام من 30-35، تلاوة سورة يوسف عليه السلام من 36-42 (دخول يوسف عليه السلام السجن)، مع التكليف بحفظها، وشرح غريب القرآن.	2
7	تسميع سورة يوسف عليه السلام من 36-42، تلاوة سورة يوسف عليه السلام من 43-49 (رؤيا الملك وتأويلها)، مع التكليف بحفظها، وشرح غريب القرآن.	2

8	تسميع سورة يوسف عليه السلام من 43-49، تلاوة سورة يوسف عليه السلام 50-57 (خروج يوسف عليه السلام من السجن وتوليه خزائن مصر)، مع التكليف بحفظها، وشرح غريب القرآن.	2
9	تسميع سورة يوسف عليه السلام من 50-57، تلاوة سورة يوسف عليه السلام من 58-66 (لقاء إخوة يوسف عليه السلام)، مع التكليف بحفظها، وشرح غريب القرآن.	2
10	تسميع سورة يوسف عليه السلام من 58-66، تلاوة سورة يوسف عليه السلام من 67-77 (حنين الأخوة وحيلة يوسف عليه السلام لإبقاء أخيه عنده) ، مع التكليف بحفظها، وشرح غريب القرآن.	2
11	تسميع سورة يوسف عليه السلام من 67-77، تلاوة سورة يوسف عليه السلام من 78-83 (حال إخوة يوسف عليه السلام بعد أخذ أخيه منهم) ، مع التكليف بحفظها، وشرح غريب القرآن.	2
12	تسميع سورة يوسف عليه السلام من 78-83، تلاوة سورة يوسف عليه السلام من 84-92(عفو يوسف عليه السلام عن إخوته)، مع التكليف بحفظها، وشرح غريب القرآن.	2
13	تسميع سورة يوسف عليه السلام من 84-92، تلاوة سورة يوسف عليه السلام من 93-101 (تحقق رؤية يوسف عليه السلام وإلتقاؤه بأهله)، مع التكليف بحفظها، وشرح غريب القرآن.	2
14	تسميع سورة يوسف عليه السلام من 93-101، تلاوة سورة يوسف عليه السلام من 102-111 (الورقة الأخيرة مواعظ وعبر)، مع التكليف بحفظها، وشرح غريب القرآن.	2
15	تسميع سورة يوسف عليه السلام من 102-111 .	2
	المجموع	30

د. أنشطة تقييم الطلبة

م	أنشطة التقييم	توقيت التقييم (بالأسبوع)	النسبة من إجمالي درجة التقييم
1	عرض الآيات، تسميعها، بيان معاني غريب الكلمات، استخراج الدروس المستفادة من سورة يوسف عليه السلام	مستمر	%20
2	الاختبار النصفي	السابع	%20
3	الاختبار النهائي	الأسبوع السادس عشر	%60

أنشطة التقييم (اختبار تحريري، شفهي، عرض تقديمي، مشروع جماعي، ورقة عمل وغيره).

هـ. مصادر التعلم والمرافق:

1. قائمة المراجع ومصادر التعلم:

المرجع الرئيس للمقرر	القرآن الكريم -الميسر في غريب القرآن الكريم المطبوع بمجمع الملك فهد لطباعة المصحف الشريف
المراجع المساندة	- التجويد الميسر المطبوع بمجمع الملك فهد لطباعة المصحف الشريف -البرهان في تجويد القرآن/ محمد الصادق قمحاوي.. -هداية القارئ إلى تجويد كلام البارئ/ عبد الفتاح السيد عجمي المرصفي. - مذكرة في علم التجويد/ محمد نبهان بن حسين مصري - تحفة الأطفال وشرحها / للشيخ الجمزوري
المصادر الإلكترونية	- موقع مكتبة جامعة أم القرى https://uqu.edu.sa/lib - مجمع الملك فهد لطباعة المصحف الشريف https://qurancomplex.gov.sa/ - تطبيق مصحف المدينة النبوية - حفص https://qurancomplex.gov.sa/apps-hafs/ - تطبيق آيات: مشروع المصحف الإلكتروني بجامعة الملك سعود https://quran.ksu.edu.sa/ayat/
أخرى	

2. المرافق والتجهيزات المطلوبة:

العناصر	متطلبات المقرر
المرافق النوعية (القاعات الدراسية، المختبرات، قاعات العرض، قاعات المحاكاة ... إلخ)	**القاعات الدراسية ومعامل الكمبيوتر**
التجهيزات التقنية (جهاز عرض البيانات، السبورة الذكية، البرمجيات)	**أجهزة حاسوب، اتصال بالانترنت، نظام إدارة التعلم Blackboard**
تجهيزات أخرى (تبعاً لطبيعة التخصص)	

و. تقويم جودة المقرر:

مجالات التقويم	المقيمون	طرق التقييم
فاعلية التدريس	الطلاب، مدرس المقرر	غير مباشرة: عن طريق تحليل نتائج استبانة تقييم الطلاب لعضو هيئة التدريس
فاعلية طرق تقييم الطلاب	مدرس المقرر	غير مباشرة: عن طريق تحليل استبانة تقييم الطلاب للمقرر
مصادر التعلم	مدرس المقرر والطلاب	غير مباشرة: عن طريق تحليل نتائج استبانة تقييم المصادر
مدى تحصيل مخرجات التعلم للمقرر	مدرس المقرر	مباشرة: عن طريق قياس نواتج تعلم المقرر
أخرى		

المقيمون (الطلبة، أعضاء هيئة التدريس، قيادات البرنامج، المراجع النظير، أخرى (يتم تحديدها).

طرق التقييم (مباشر وغير مباشر).

ز. اعتماد التوصيف:

جهة الاعتماد	مجلس قسم القراءات
رقم الجلسة	
تاريخ الجلسة	

Level [4]

Course Specification
(Bachelor)

Course Title:	**Vernacular Architecture Design Studio**
Course Code:	**ARC 2003**
Program:	**Bachelor of Architecture and Planning**
Track:	**(General Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UN22

Courses Group: Des. Proc.

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A. General information about the course:

1. Course Identification

1. Credit hours:	5 Cr. Hrs.	**Contact hours:**	10 Hrs. / week

2. Course type

a.	University		College		Department	●	Track		Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 2 Level 4

4. Course general description:

This studio course highlights the significance of architectural heritage and its impact on contemporary design. Students will review traditional design and construction methods from various regions of Saudi Arabia and explore how these can be revived and adapted for modern projects. The course emphasizes integrating historical techniques with contemporary design practices, encouraging students to innovate while respecting and preserving architectural heritage.

5. Pre-requirements for this course (if any):

ARC 2002	Small Public Buildings Design Studio	Year: 2	Level: 3

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to help students develop a deep understanding of vernacular architecture and its theoretical foundations within the built environment. Students will explore the cultural, environmental, and socio-economic factors that influence architectural design, gaining insight into their impact on local building traditions. They will apply these theories to create innovative design concepts that are contextually and environmentally responsive. Additionally, students will enhance their digital skills throughout the design process and take responsibility for their continuous learning and professional development in the field of vernacular architecture.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	10	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	0
2	Practical	0
3	Studio	150
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**150**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of theories of the built environment. (K1-f)	**K1**	Self–Learning (Research work)	Eval. of Project(s)
1.2	Explain the impact of different aspects on the built environment. (K1-h)	**K1**	Self–Learning (Research work)	Written Assgs./ Exams
	Skills			
2.1	Create innovative concepts and forms for the built environment. (S1-c)	**S1**	Self–Learning	Eval. of Project(s)
2.2	Apply the theories and methods of designing the built environment. (S1-d)	**S1**	Self–Learning	Eval. of Project(s)
2.3	Effectively use digital skills throughout the design process of the built environment. (S6-a)	**S6**	Self–Learning	Eval. of Project(s)
	()			
	Values, autonomy, and responsibility			
3.1	Demonstrate responsibility for self-learning and ongoing development. (V2-b)	**V2**	Self–Learning	Direct Observation

C. Course Content

No	List of Topics	Contact
1	Course identification and introduction to the project	10
2	Introduction to architectural heritage	10
3	Architectural heritage in the Western (Hijaz) region	10
4	Architectural heritage in the Central and northern (Najd) region	10
5	Architectural heritage in the Eastern region	10
6	Architectural heritage in the Southern (Asir) region	10
7	Efforts to revive traditional design and construction methods in Saudi Arabia	10
8	Analysis of similar projects, site analysis and building code	10
9	Preliminary study of the project and its components	10
10	Development of plans and Identity -Part 1	10
11	Development of plans and Identity -Part 2	10
12	Development of plans and Identity -Part 3	10
13	Development of sections and elevations	10
14	Full project development -Part 1	10
15	Full project development -Part 2	10
	Total	150

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	Cont. Assess. (Eval. of Project(s), Written Assgs./ Exams)	1 to 15	70
2	Mid-Term Exam (Drawing Exam)	7	10
3	Final Submission (Final Project Oral Exam)	16	20

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Mortada, H. (2020). Traditional Built Environment of Saudi Arabia. Benton heights LLC.
	Development Authorities Support Center. (2022). Architecture Identities of KSA.
Supportive References	Hariri, W., & Hariri, M. (1990). The heritage of the Kingdom of Saudi Arabia. GDG Publications.
	Facey, W. (1999). Back to earth: Adobe Building in Saudi Arabia. Arabian Publishing Ltd.
	Watson, D., & Crosbie, M. (2005). Time-saver standards for architectural design. McGraw-Hill.
	De Chiara, J., & De Chiara, J. (2001). Time-saver standards for building types. McGraw-Hill.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Studio
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Mohammad Abdullah Almahdi	**Ahmed M. A. Shehata**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission

اعتماد
NCAA

2024
TP-153

Course Specification
(Bachelor)

Course Title:	**Building Construction Studio 2**
Course Code:	**ARC 2302**
Program:	**Bachelor of Architecture and Planning**
Track:	**(General Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UN23

Courses Group: Constr. & Bldg. Syst.

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A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	4 Hrs. / week

2. Course type

a.	University		College		Department	●	Track		Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 2 Level 4

4. Course general description:

This studio explores the conventional construction systems. Moreover, it illustrates various types of insulation and building joints, as well as the details of doors and windows and vertical movement elements (stairs and ramps). Through hands-on projects, students will apply their knowledge to the housing units they previously designed in the architectural design studio.

5. Pre-requirements for this course (if any):

ARC 2301	Building Construction Studio 1	Year: 2	Level: 3

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to deepen students' understanding of building materials, conventional structural systems, carpentry, etc. Students will learn how to apply their knowledge to make informed decisions in their design work. They will be encouraged to create detailed construction drawings with efficiency and precision. Additionally, the course focuses on developing time management skills, with an emphasis on completing tasks efficiently under pressure and meeting deadlines, ensuring students can perform effectively in real-world construction scenarios.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	4	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	0
2	Practical	0
3	Studio	60
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**60**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of building materials and structure systems. (K2-a)	**K2**	Direct Learning (Lecture)	Written Assgs./ Exams
1.2	Demonstrate an understanding of the construction process. (K2-d)	**K2**	Blended Learning (Flipped classroom)	Eval. of Project(s)
	Skills			
2.1	Apply knowledge of structural systems and materials selection. (S1-e)	**S1**	Self–Learning	Eval. of Project(s)
2.2	Create drawings with efficiency and precision. (S4-c)	**S4**	Self–Learning	Eval. of Project(s)
	()			
	Values, autonomy, and responsibility			
3.1	Mange and complete tasks efficiently under pressure and within deadlines. (V3-a)	**V3**	Self–Learning	Assignments & Tasks

C. Course Content

No	List of Topics	Contact
1	Concrete: Formwork and shoring	4
2	Reinforced concrete columns, beams and frames	4
3	Reinforced concrete slabs - part 1	4
4	Reinforced concrete slabs - part 2	4
5	Advanced construction systems: Precast concrete, lift-slab and tunnel formwork systems	4
6	Basics of timber construction	4
7	Basics of steel construction: Foundations, steel columns, beams am=nd frames	4
8	Insulation: Moisture, thermal and sound	4
9	Joints in buildings: Settlement, contraction and expansion joints	4
10	Types of stairs and ramps: Design, details and implementation	4
11	Doors: Types, used materials, manufacturing and details	4
12	Windows: Types, used materials, manufacturing and details	4
13	Project development: Isolated footings and Plans (Skelton working drawings)	4
14	Project development: Section and elevations (Skelton working drawings)	4
15	Project development: Details (Doors, windows and stairs)	4
	Total	60

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	Cont. Assess. (Written Assgs./ Exams, Eval. of Project(s), Assignments & Tasks)	1 to 15	60
2	Mid-Term Exam (Written and Drawing Exam)	7	20
3	Final Submission of the Project	16	20

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Ching, D.K. (2020). Building Construction Illustrated. Van Nostrad Reinhold.
	Kultermann, E., & Spence, W. (2021). Construction Materials, Methods and Techniques. Cengage.
Supportive References	McMorrough, J. (2018). The Architecture Reference & Specification Book updated & revised. Rockport Pub.
	Mehta, M. (2017). Building Construction: Principles, Materials, and Systems. Pearson.
	McKay, W. B. (2005). McKay's Building Construction. Routledge.
	Engel H. (2007). Structure Systems. Praeger.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Studio
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Mohammad Abdullah Almahdi	**Mohamed Atef Elhamy Kamel**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Principles of Urban Design**
Course Code:	**ARC 2401**
Program:	**Bachelor of Architecture and Planning**
Track:	**(General Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UN24

Courses Group: Urban Des.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

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C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department	●	Track		Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 2 Level 4

4. Course general description:

This course introduces students to essential concepts and principles of urban design, focusing on methodologies that effectively shape urban environments. Through lectures, students will develop foundational urban design skills, preparing them for active participation in subsequent urban design studio and specialized studios of urban design track.

5. Pre-requirements for this course (if any):

ARC 2002	Small Public Buildings Design Studio	Year: 2	Level: 3

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to provide students with a strong understanding of the processes, methods, and fundamental principles of urban design. Students will explore various approaches to representing the built environment and develop a deep understanding of the theories that underpin urban design. The course encourages independent learning, with students expected to seek and apply knowledge effectively. Additionally, students will enhance their ability to collaborate within diverse teams, taking on leadership roles and completing tasks responsibly and constructively.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Explain processes, methods and fundamentals of designing the built environment. (K1-a)	**K1**	Direct Learning (Lecture)	Written Exam
1.2	Demonstrate an understanding of various ways of representing the built environment. (K1-d)	**K1**	Direct Learning (Lecture)	Eval. of Research
1.3	Demonstrate an understanding of theories of the built environment. (K1-f)	**K1**	Direct Learning (Lecture)	Written Exam
	Skills			
2.1	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Collaborative L. (Teamwork Research)	Eval. of Research
	()			
	Values, autonomy, and responsibility			
3.1	Collaborate effectively and lead diverse teams to complete tasks responsibly and constructively. (V2-c)	**V2**	Collaborative L. (Teamwork Research)	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	Definition and emergence of urban design	2
2	Visual dimension in urban design	2
3	Functional and social dimension in urban design	2
4	The neighborhood	2
5	The neighborhood center	2
6	Introduction to housing: Types of residential buildings	2
7	Urban spaces: Squares and street squares	2
8	Urban spaces: Green and open spaces	2
9	Grid design principle	2
10	Analysis techniques: Projections and demand analysis	2
11	Analysis techniques: Mapping	2
12	Analysis techniques: Impact Assessment	2
13	Analysis techniques: Visualization	2
14	Examples of best practices	2
15	Urban design spaces in Saudi Arabia	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research)	14	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Cuesta, R., et al. (2012). Urban Design: Method and Techniques. Routledge.
	Sendich E., and APA. (2007). Planning and Urban Design Standards. Hoboken. Wiley
Supportive References	Lynch, K. (1960). The Image of the City. London, The MIT Press.
	Towers, G. (2015). An introduction to urban housing design. Routledge.
	Carmona, M. (2021). Public places urban spaces: The dimensions of urban design. Routledge.
	Schenk, L. (2023). Designing Cities: Basics, Principles, Projects. Birkhäuser.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Mohammad Abdullah Almahdi	**Adnan Yehya Alshahrani**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Architecture of Islamic Civilization**
Course Code:	**ARC 2202**
Program:	**Bachelor of Architecture and Planning**
Track:	**(General Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UN25

Courses Group: Arc. Hist. & Th.

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A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department	●	Track		Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 2 Level 4

4. Course general description:

This course surveys the architectural developments across various Islamic regions and dynasties, highlighting the evolution of Islamic urbanism and its cultural context. Students will explore the relationship between Islamic values and architectural principles, deepening their understanding of the artistic and urban characteristics of Islamic culture. The course enhances appreciation of the architecture of Islamic civilization and familiarizes students with its key vocabulary, encouraging the use and development of Islamic architectural elements in contemporary design.

5. Pre-requirements for this course (if any):

ARC 1201	Ancient Civilizations and Medieval Architecture	Year: 1	Level: 1

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to deepen students' understanding of the architectural and urban heritage of Islamic civilization, emphasizing its cultural, artistic, and spiritual foundations. Through the course, students will analyze the Islamic values that have shaped human and built environments over time. The course encourages the development of critical thinking and research skills, enabling students to explore traditional Islamic architectural elements. Additionally, it fosters a commitment to academic excellence and self-directed learning, inspiring persistence and distinction in the study of Islamic architecture.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of the history of the built environment. (K1-e)	**K1**	Direct Learning (Lecture)	Written Exam
1.2	Explain the impact of different aspects on the built environment. (K1-h)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
	Skills			
2.1	Analyze factors shaping and influencing the built environment. (S1-l)	**S1**	Interactive L. (Dialogue & discussion)	Written Exam
2.2	Analyze the Islamic values that shape human and built environments. (S2-a)	**S2**	Self–Learning (Research work)	Eval. of Research
2.3	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning (Research work)	Eval. of Research
	()			
	Values, autonomy, and responsibility			
3.1	Demonstrate persistence on achievement and distinction. (V2-d)	**V2**	Self–Learning	Eval. of Portfolio

C. Course Content

No	List of Topics	Contact
1	Introduction to cities in Islamic civilization	2
2	Early Islamic Architecture: Umayyad Architecture	2
3	Abbasiad Architecture	2
4	Fatimid Architecture 1	2
5	Fatimid Architecture 2	2
6	Ayyubid Architecture 1	2
7	Ayyubid Architecture 2	2
8	Bahrid - Mamluk Architecture 1	2
9	Bahrid - Mamluk Architecture 2	2
10	Suljuq - Mamluk Architecture 1	2
11	Suljuq - Mamluk Architecture 2	2
12	Ottoman Period 1	2
13	Ottoman Period 2	2
14	Islamic House Principles	2
15	Islamic Public Buildings	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research, Eval. of Portfolio)	14	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Grube, E. et al. (1995). Architecture of the Islamic World. Thames and Hudson.
	Fletcher, B. (2020). Sir Banister Fletcher's Global history of architecture. Bloomsbury Visual Arts.
Supportive References	Hakim, B. (2013). Arabic-Islamic cities. Routledge.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Mohammad Abdullah Almahdi	**Mohamed Wahba Ibrahim Khalil**	**Oumr Adnan Osra**
Head of PPC	Head of C&SPC	Head of D&QC
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission

اعتماد
NCAAA

2024
TP-153

Course Specification
(Bachelor)

Course Title:	**Principles of Landscape Architecture**
Course Code:	**ARC 2402**
Program:	**Bachelor of Architecture and Planning**
Track:	**(General Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UN38

Courses Group: Urban Des.

Table of Contents:

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2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	3 Cr. Hrs.	**Contact hours:**	5 Hrs. / week

2. Course type

a.	University		College		Department	●	Track		Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 2 Level 4

4. Course general description:

This course introduces students to the fundamentals of landscape architecture, covering key elements such as softscape (planting, water features) and hardscape materials. It addresses landscape design determinants and considerations, providing students with the skills to create functional and aesthetic landscapes in urban settings. Through a combination of lectures and hands-on application on a small project, students will develop the ability to create a conceptual landscape design for outdoor spaces.

5. Pre-requirements for this course (if any):

ARC 2002	Small Public Buildings Design Studio	Year: 2	Level: 3

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to provide students with a comprehensive understanding of the processes, methods, and fundamental principles involved in landscape architecture and its role in the built environment. Students will develop a strong grasp of the theories that inform landscape design and apply them to create innovative, functional, and contextually relevant concepts. The course emphasizes the practical application of design methods while encouraging students to take responsibility for their ongoing learning and professional development in the field of landscape architecture.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	5	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	45
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**75**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Explain processes, methods and fundamentals of designing the built environment. (K1-a)	**K1**	Direct Learning (Lecture)	Eval. of Project(s)
1.2	Demonstrate an understanding of theories of the built environment. (K1-f)	**K1**	Direct Learning (Lecture)	Eval. of Project(s)
	Skills			
2.1	Create innovative concepts and forms for the built environment. (S1-c)	**S1**	Self–Learning	Eval. of Project(s)
2.2	Apply the theories and methods of designing the built environment. (S1-d)	**S1**	Self–Learning	Eval. of Project(s)
	()			
	Values, autonomy, and responsibility			
3.1	Demonstrate responsibility for self-learning and ongoing development. (V2-b)	**V2**	Self–Learning (Research work)	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	Landform: Types and Functions	5
2	Sofrscape: Plants and Planting	5
3	Water: General and Visual Uses	5
4	Hardscape: Site Furniture, Structures and Features	5
5	Recreational and Athletic Facilities	5
6	Outdoor Lighting	5
7	Foundational Concepts: Landscape Form and Space	5
8	Orthogonal Forms	5
9	Angular Forms	5
10	Circular Forms	5
11	Organic Forms	5
12	Bioclimate Fundamentals of Llandscape design	5
13	Outdoor Accessibility Standards	5
14	Roof and Deck, and Interior Landscapes	5
15	Course Portfolio Review	5
	Total	75

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	Cont. Assess. (Eval. of Project(s), Eval. of Research)	1 to 15	40
2	Mid-Term Exam (Drawing Exam)	7	20
3	Final Exam (Drawing Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Booth, N. (2011). Foundations of Landscape Architecture. Wiley.
	Booth, N. (1990). Basic Elements of Landscape Architectural Design. Waveland Pr. Inc.
Supportive References	Dines, N., & Brown, K. (2023). Time-Saver Standards for Landscape Architecture. McGraw-Hill.
	Bertauski, T. (2018). Plan graphics for the landscape designer. Waveland Press.
	Shehata, A. (2021). Design of Outdoor Spaces. Universal Publishing Ltd.
	Booth, N. (2018). Residential Landscape Architecture: Design Process for the Private Residence. Pearson.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Studio and Classroom
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
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	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

توصيف المقرر الدراسي

(بكالوريوس)

اسم المقرر: القيم والأخلاق (الثقافة الإسلامية1)
رمز المقرر: ICC1201
البرنامج: البكالوريوس
القسم العلمي: الدعوة والثقافة الإسلامية
الكلية: الدعوة وأصول الدين
المؤسسة: جامعة أم القرى
نسخة التوصيف: 1
تاريخ آخر مراجعة: 1446/7/12هـ

HA

جدول المحتويات

أ. معلومات عامة عن المقرر الدراسي: 3
ب. نواتج التعلم للمقرر واستراتيجيات تدريسها وطرق تقييمها: 4
ج. موضوعات المقرر 5
د. أنشطة تقييم الطلبة 7
هـ. مصادر التعلم والمرافق: 7
و. تقويم جودة المقرر: 8
ز. اعتماد التوصيف: 8

أ. معلومات عامة عن المقرر الدراسي:

1. التعريف بالمقرر الدراسي

1. الساعات المعتمدة: (2)					
2. نوع المقرر					
أ -	☒ متطلب جامعة	☐ متطلب كلية	☐ متطلب تخصص	☐ متطلب مسار	☐ أخرى
ب -	☒ إجباري	☐ اختياري			
3. السنة / المستوى الذي يقدم فيه المقرر: (السنة الأولى، الفصل الأول)					
4. الوصف العام للمقرر					
يقدم هذا المقرر مادة علمية تأصيلية عن القيم والأخلاق في الإسلام، من حيث مفهومها ومنزلتها وأسسها وأبرز جوانبها، وعن الجانب الخلقي العظيم لرسولنا الكريم صلى الله عليه وسلم، ثم يعرض تطبيقات قيمية وأخلاقية ترقى بالمجتمع وتحافظ عليه.					
5- المتطلبات السابقة لهذا المقرر (إن وجدت)					
لا يوجد					
6- المتطلبات المتزامنة مع هذا المقرر (إن وجدت)					
لا يوجد					
7. الهدف الرئيس للمقرر					
تعريف الطالب بأهمية ومنزلة القيم والأخلاق في الإسلام، وبيان عناية الإسلام بهما، وارتباطهما بسعادة الدنيا الآخرة.					

2. نمط التعليم (اختر كل ما ينطبق)

م	نمط التعليم	عدد الساعات التدريسية	النسبة
1	تعليم التقليدي	-	-
2	التعليم الإلكتروني	-	-
3	التعليم المدمج • التعليم التقليدي • التعليم الإلكتروني	-	-

م	نمط التعليم	عدد الساعات التدريسية	النسبة
4	التعليم عن بعد	30	%100

3. الساعات التدريسية (على مستوى الفصل الدراسي)

م	النشاط	ساعات التعلم	النسبة
1	محاضرات	30	%100
2	معمل أو إستوديو	-	-
3	ميداني	-	-
4	دروس إضافية	-	-
5	أخرى	-	-
	الإجمالي	30	%100

ب. نواتج التعلم للمقرر واستراتيجيات تدريسها وطرق تقييمها:

الرمز	نواتج التعلم	رمز ناتج التعلم المرتبط بالبرنامج	استراتيجيات التدريس	طرق التقييم
1.0	المعرفة والفهم			
1.1	يتعرف على الثقافة الإسلامية وأهميتها وخصائصها	K1	المحاضرات والمناقشات	الاختبارات التحريرية والشفوية. وأوراق عمل
1.2	يعرف مفهوم القيم والأخلاق وأهميتها.	V1	التعلم الذاتي ربط الطالب بالمراجع الأساسية والمساندة في معرفة هذه المفردات تكليف الطالب بعمل بحث أو ورقة عمل	الاختبارات التحريرية والشفوية. عرض البحوث والمناقشة
1.3	يدرك مفهوم القيم والأخلاق ومصادرها وخصائصها في الإسلام.	V1	المحاضرات والمناقشات ربط الطالب بالمراجع الأساسية والمساندة في معرفة هذه المفردات	الاختبارات التحريرية والشفوية. وأوراق عمل
1.4	يذكر أهم الأخلاق الفردية والأسرية والاجتماعية.	V1	الاستقراء والعصف الذهني المحاضرات والمناقشات	الاختبارات التحريرية والشفوية.
2.0	المهارات			
2.1	يوظف محاسن الأخلاق في الدعوة إلى الله بحكمة وبصيرة.	S3	العصف الذهني الحوار والمناقشة زيارة بعض المواقع الالكترونية التي تعتني بهذا الموضوع	التقييم الجماعي أوراق عمل

الرمز	نواتج التعلم	رمز ناتج التعلم المرتبط بالبرنامج	استراتيجيات التدريس	طرق التقييم
2.2	يستخدم الأخلاق الحميدة في توعية وتثقيف الحجاج والمعتمرين.	V3	الطريقة الاستقرائية ربط الطالب بالمراجع الأساسية والمساندة في معرفة هذه المفردات	بحوث وواجبات تقييم قدرة الطلاب على الاستنباط والتحليل
2.3	يحلل نصوص القرآن الكريم والسنة النبوية المرتبطة بالقيم والأخلاق.	S1	التعليم التعاوني الحوار والمناقشة	الملاحظة المباشرة والتقييم الجماعي
2.4	يرد على شبه المناوئين للدعوة الإسلامية وفق منهج قيمي وأخلاقي.	S1	التعليم النشط ربط الطالب بالمراجع الأساسية والمساندة في معرفة هذه المفردات	الملاحظة المستمرة تقييم الأبحاث
3.0	القيم والاستقلالية والمسؤولية			
3.1	يشارك بمسؤولية واستقلالية في إعداد أبحاث وواجبات المقرر.	V4	التعلم التعاوني التكليف بأبحاث وواجبات وأوراق عمل	الملاحظة المستمرة وقويم الأداء وتقييم الأبحاث
3.2	أن يتحلى بالخلق القويم والقيم الأصيلة من خلال التعلم الذاتي والتعاوني.	V2	التعلم التعاوني	الملاحظة المستمرة والتقييم الجماعي
3.3	أن يسهم في حماية مجتمعه من الانحراف عن القيم والأخلاق الإسلامية الحميدة.	V1	التعليم التعاوني من خلال التكليف بواجبات وأبحاث وأنشطة جماعية	تقييم الأبحاث الملاحظة المباشرة لسلوك الطلاب وتوجهاتهم

ج. موضوعات المقرر

م	قائمة الموضوعات	الساعات التدريسية المتوقعة
1	**مدخل إلى الثقافة الإسلامية (مفهومها، أهميتها، خصائصها، علاقتها بالعلوم الأخرى):** سيتعلم الطالب في هذه المفردة مفهوم الثقافة الإسلامية وأهميتها، كما سيدرس خصائص الثقافة الإسلامية، والعلاقة بين الثقافة الإسلامية وارتباطها بالعلوم الشرعية الأخرى.	2
2	**القيم في الإسلام** يدرس الطالب في هذه المفردة أقسام القيم في الإسلام وارتباطها بالهوية الإسلامية. ثم بيان ما يندرج تحت كل قسم من قيم فرعية. مع ضرب الأمثلة المعاصرة لكل قسم ونوع ودراستها بشكل تحليلي.	4
3	**لأخلاق في الإسلام وعلاقتها بالقيم** يدرس الطالب في هذه المفردة مفهوم الأخلاق بشكل عام، ثم بيانها في الإسلام من حيث: المفهوم، الأهمية، الأسس، الخصائص، ثم بيان العلاقة بين القيم والأخلاق، ثم مقارنة	4

	بين واقع الأخلاق في الإســـلام وما قبل الإســـلام. ثم بيان الثمرات الدنيوية والأخروية للأخلاق في الإسلام	
4	**عناية الإسلام بالأخلاق الفردية:** يدرس الطالب في هذه المفردة تأصـيلاً للأخلاق الفردية وبيان أهميتها مع ذكر أمثلة لها: كالصـــدق، والرفق، والتواضـــع، وغيرها من الأخلاق الفردية. مع ضـــرب الأمثلة المعاصرة لذلك.	2
5	**عناية الإسلام بالأخلاق الأسرية:** يدرس الطالب في هذه المفردة تأصـيلاً للأخلاق الأسـرية وبيان أهميتها وربطها بالقدوة الحسنة، مع ذكر أمثلة لها: كالإحسان للوالدين، وللأبناء، وحسن العشرة بين الزوجين.	2
6	**عناية الإسلام بالأخلاق الاجتماعية:** يدرس الطالب في هذه المفردة تأصـيلاً للأخلاق الاجتماعية وبيان أهميتها مع ذكر أمثلة لها كالأمانة، والوفاء، والتراحم، والعدل، والوســـطية، والمســـاواة، ومراعاة الحقوق (كحقوق الكبار والأطفال والمرأة)، وغيرها من الأخلاق الاجتماعية.	2
7	**أخلاق النبي ﷺ مع أسرته وأهل بيته:** أولاً يدرس الطالب في هذه المفردة أخلاق النبي ﷺ التي وصفها به الله تعالى، وجوانب الاقتداء به ﷺ . ثم يدرس الطالب أخلاق النبي ﷺ مع زوجاته، وأولاده، وخدمه، وقرابته، وجوانب الاقتداء به ﷺ .	2
8	**أخلاق النبي ﷺ مع صحابته ومجتمعه ومع المخالفين:** يدرس الطالب في هذه المفردة أخلاق النبي ﷺ مع المجتمع المسلم حوله ﷺ كالصحابة ونحوهم، وجوانب الاقتداء به ﷺ . ثم بيان أخلاق النبي ﷺ مع المخالفين كالمشـــركين، والمنافقين، وأهل الكتاب، وأهل الأديان الأخرى، وجوانب الاقتداء به ﷺ	4
9	**تعظيم البلد الحرام وخدمة الحجاج والمعتمرين:** يدرس الطالب في هذه المفردة بيان مفهوم تعظيم البلد الحرام، ومكانته، وفضـــائله، وفضل ومكانة خدمة الحجاج والمعتمرين، مع ذكر أمثلة أخلاقية تطبيقية.	2
10	**تعزيز سلوكيات المواطن الصالح:** يدرس الطالب في هذه المفردة بيان مفهوم المواطن الصـالح في الإسـلام، والسـلوكيات التي يجب على المواطن التحلي بها، والتأكيد على قيم الانتماء الوطني، وذكر أمثلة أخلاقية تطبيقية، وفي مقابل ذلك التحذير من التيارات المنحرفة والجماعات المتطرفة التي تدعو إلى خلاف ذلك.	2
11	**الحث على العمل وبيان أخلاقياته:** يدرس الطالب في هذه المفردة بيان مفهوم العمل وكسب الرزق في الإسلام وذكر أمثلة تطبيقية لأخلاقيات المهنة.	2
12	**تعزيز النزاهة، ومحاربة الفساد:** يدرس الطالب في هذه المفردة بيان مفهوم النزاهة في الإســـلام، وأهميته، وذكر أمثلة أخلاقية تطبيقية لمحاربة الفساد.	2
	المجموع	30

د. أنشطة تقييم الطلبة

م	أنشطة التقييم	توقيت التقييم (بالأسبوع)	النسبة من إجمالي درجة التقييم
1	الاختبار (النصفي)	منتصف الفصل	20%
2	الاختبار النهائي	نهاية الفصل	60%
3	التقويم المستمر (المشاركة، الواجبات، الأبحاث، ..)	كل أسابيع الدراسة	10%
...	الملاحظة وتقويم الأداء	خلال أسابيع الدراسة	10 %

أنشطة التقييم (اختبار تحريري، شفهي، عرض تقديمي، مشروع جماعي، ورقة عمل وغيره).

هـ. مصادر التعلم والمرافق:

1. قائمة المراجع ومصادر التعلم:

المرجع الرئيس للمقرر	كتاب القيم والأخلاق (الثقافة الإسلامية1)، تأليف قسم الدعوة والثقافة الإسلامية
المراجع المساندة	1- الشمائل المحمدية للإمام الترمذي. 2- السيرة النبوية لابن هشام. 3- الأخلاق والسير لابن حزم الأندلسي. 4- الشفا بتعريف حقوق المصطفى صلى الله عليه وسلم للقاضي عياض. 5- الآداب الشرعية للحافظ ابن مفلح المقدسي. 6- زاد المعاد في هدي خير العباد لابن قيم الجوزية. 7- النزاهة في مواجهة الفساد: تجربة المملكة العربية السعودية، لمحمد بن عبد الله الشريف
المصادر الإلكترونية	المكتبة الرقمية السعودية
أخرى	

2. المرافق والتجهيزات المطلوبة:

العناصر	متطلبات المقرر
المرافق النوعية (القاعات الدراسية، المختبرات، قاعات العرض، قاعات المحاكاة ... إلخ)	القاعات الدراسية ومعامل الكمبيوتر
التجهيزات التقنية (جهاز عرض البيانات، السبورة الذكية، البرمجيات)	أجهزة حاسوب، اتصال بالانترنت، نظام إدارة التعلم Blackboard
تجهيزات أخرى (تبعاً لطبيعة التخصص)	-

و. تقويم جودة المقرر:

مجالات التقويم	المقيمون	طرق التقييم
فاعلية التدريس	الطلاب، مدرس المقرر	غير مباشرة: عن طريق تحليل نتائج استبانة تقييم الطلاب لعضو هيئة التدريس
فاعلية طرق تقييم الطلاب	مدرس المقرر	غير مباشرة: عن طريق تحليل استبانة تقييم الطلاب للمقرر
مصادر التعلم	مدرس المقرر والطلاب	غير مباشرة: عن طريق تحليل نتائج استبانة تقييم المصادر
مدى تحصيل مخرجات التعلم للمقرر	مدرس المقرر	مباشرة: عن طريق قياس نواتج تعلم المقرر
أخرى		

المقيمون (الطلبة، أعضاء هيئة التدريس، قيادات البرنامج، المراجع النظير، أخرى (يتم تحديدها).

طرق التقييم (مباشر وغير مباشر).

ز. اعتماد التوصيف:

جهة الاعتماد	مجلس قسم الدعوة والثقافة الإسلامية
رقم الجلسة	
تاريخ الجلسة	

توصيف المقرر الدراسي

(بكالوريوس)

اسم المقرر: ختم القرآن الكريم
رمز المقرر: QR3104
البرنامج: البكالوريوس
القسم العلمي: القراءات (مقرر عام يقدم من قسم القراءات لكافة طلبة الجامعة)
الكلية: الدعوة وأصول الدين
المؤسسة: جامعة أم القرى
نسخة التوصيف: الأولى
تاريخ آخر مراجعة: 31 ديسمبر 2024

HA

جدول المحتويات

أ. معلومات عامة عن المقرر الدراسي: 3
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أ. معلومات عامة عن المقرر الدراسي: ختم القرآن الكريم

1. التعريف بالمقرر الدراسي

1. الساعات المعتمدة:
ساعتان أسبوعياً

2. نوع المقرر					
أ -	☒ متطلب جامعة	☐ متطلب كلية	☐ متطلب تخصص	☐ متطلب مسار	☐ أخرى
ب -	☒ إجباري	☐ اختياري			

3. السنة / المستوى الذي يقدم فيه المقرر: (السنة الثالثة/ المستوى الخامس)

4. الوصف العام للمقرر
يشتمل هذا المقرر على تلاوة آيات القرآن الكريم، من سورة النساء إلى سورة الناس، تلاوة مجودة، وبيان معاني غريب الكلمات القرآنية في السور المقررة، والالتزام بأحكام الختم وآدابه.

5- المتطلبات السابقة لهذا المقرر (إن وجدت)
تجويد القرآن الكريم.

6- المتطلبات المتزامنة مع هذا المقرر (إن وجدت)
لا يوجد

7. الهدف الرئيس للمقرر
إكمال ختم القرآن الكريم تلاوة وفق طرق الأداء المعتبرة.

2. نمط التعليم (اختر كل ما ينطبق)

م	نمط التعليم	عدد الساعات التدريسية	النسبة
1	تعليم التقليدي	0	0
2	التعليم الإلكتروني	0	0
3	التعليم المدمج • التعليم التقليدي • التعليم الإلكتروني	0	0
4	التعليم عن بعد	30	%100

3. الساعات التدريسية (على مستوى الفصل الدراسي)

م	النشاط	ساعات التعلم	النسبة
1	محاضرات	30 ساعة	%100
2	معمل أو إستوديو		
3	ميداني		
4	دروس إضافية		
5	أخرى		
	الإجمالي	30 ساعة	%100

ب. نواتج التعلم للمقرر واستراتيجيات تدريسها وطرق تقييمها:

الرمز	نواتج التعلم	رمز ناتج التعلم المرتبط بالمؤسسة	استراتيجيات التدريس	طرق التقييم
1.0	المعرفة والفهم			
1.1	تبيين معاني غريب الكلمات القرآنية في السور المقررة.	K1	المحاضرة التلقي والأداء	التقييم المستمر، الاختبارات النصفية والنهائية
1.2	توضيح أحكام ختم القرآن وآدابه.	K1		
2.0	المهارات			
2.1	تلاوة السور المقررة تلاوة مجودة.	K1	المحاضرة- التلقي والأداء- العرض- الحلق التدريبية– المهام الأدائية	التقييم المستمر- الملاحظة خلال الدرس- الاختبارات الشفوية - تقييم المهام الأدائية
2.3	استخدام التقنية من خلال الأدوات التعليمية المساندة في Blackboard وبرامج حفظ القرآن الإلكترونية.	S4		
3.0	القيم والاستقلالية والمسؤولية			
3.1	العمل ضمن فريق المقرر بكفاءة ومسؤولية من خلال التسميع المتقن، وشرح الغريب، واستخراج الدروس المستفادة من سورة الكهف.	V4	التعليم التعاوني- المجموعات.	سلالم التقدير–بطاقة الملاحظة

الرمز	نواتج التعلم	رمز ناتج التعلم المرتبط بالمؤسسة	استراتيجيات التدريس	طرق التقييم
3.2	الالتزام بتطوير أدائه في تلاوة القرآن، وتقويم تعلمه لأحكام التجويد من خلال التعلم الذاتي، واتخاذ القرارات المناسبة لمستواه.	V2		

ج. موضوعات المقرر

م	قائمة الموضوعات	الساعات التدريسية المتوقعة
1	التعريف بتوصيف المقررومتطلباته، مقدمة تعريفية عن فضل تعلم القرآن، تلاوة سورة النساء من آية (١) إلى آية (٨٧)، مع بيان معاني غريب الكلمات القرآنية في الآيات.	2
2	تلاوة سورة النساء من آية (٨٨) إلى آية (١٧٦)، مع بيان معاني غريب الكلمات القرآنية في الآيات.	2
3	تلاوة سورة المائدة، مع بيان معاني غريب الكلمات القرآنية في السورة.	2
4	تلاوة سورة الأنعام، مع بيان معاني غريب الكلمات القرآنية في السورة.	2
5	تلاوة سورة الأعراف، مع بيان معاني غريب الكلمات القرآنية في السورة.	2
6	تلاوة سورتي الأنفال والتوبة، مع بيان معاني غريب الكلمات القرآنية في السورتين.	2
7	تلاوة سورة يونس وسورة هود وسورة يوسف -عليهم السلام-، مع بيان معاني غريب الكلمات القرآنية في السور المذكورة.	2
8	تلاوة سورة الرعد إلى سورة النحل، مع بيان معاني غريب الكلمات القرآنية في الجزئية المذكورة.	2
9	تلاوة سورة الإسراء إلى سورة طه، مع بيان معاني غريب الكلمات القرآنية في الجزئية المذكورة.	2
10	تلاوة سورة الأنبياء إلى سورة الشعراء، مع بيان معاني غريب الكلمات القرآنية في الجزئية المذكورة.	2
11	تلاوة سورة النمل إلى سورة الأحزاب، مع بيان معاني غريب الكلمات القرآنية في الجزئية المذكورة.	2
12	تلاوة سورة سبأ إلى سورة فصلت، مع بيان معاني غريب الكلمات القرآنية في الجزئية المذكورة.	2

13	تلاوة سورة الشورى إلى سورة ق، مع بيان معاني غريب الكلمات القرآنية في الجزئية المذكورة.	2
14	تلاوة سورة الذاريات إلى سورة الجن، مع بيان معاني غريب الكلمات القرآنية في الجزئية المذكورة.	2
15	تلاوة سورة المزمل إلى سورة الناس، مع بيان معاني غريب الكلمات القرآنية في الجزئية المذكورة، وتوضيح أحكام الختم وآدابه.	2
المجموع		30

د. أنشطة تقييم الطلبة

م	أنشطة التقييم	توقيت التقييم (بالأسبوع)	النسبة من إجمالي درجة التقييم
1	عرض سور القرآن الكريم تلاوة، بيان معاني غريب الكلمات القرآنية، ذكر أحكام ختم القرآن وآدابه.	مستمر	%20
2	الاختبار النصفي	السابع	%20
3	الاختبار النهائي	السادس عشر	%60

أنشطة التقييم (اختبار تحريري، شفهي، عرض تقديمي، مشروع جماعي، ورقة عمل وغيره).

هـ. مصادر التعلم والمرافق:

1. قائمة المراجع ومصادر التعلم:

المرجع الرئيس للمقرر	القرآن الكريم -الميسر في غريب القرآن الكريم المطبوع بمجمع الملك فهد لطباعة المصحف الشريف
المراجع المساندة	- التجويد الميسر المطبوع بمجمع الملك فهد لطباعة المصحف الشريف -البرهان في تجويد القرآن/ محمد الصادق قمحاوي.. -هداية القارئ إلى تجويد كلام البارئ/ عبد الفتاح السيد عجمي المرصفي. - مذكرة في علم التجويد/ محمد نبهان بن حسين مصري - تحفة الأطفال وشرحها / للشيخ الجمزوري
المصادر الإلكترونية	- موقع مكتبة جامعة أم القرى https://uqu.edu.sa/lib - مجمع الملك فهد لطباعة المصحف الشريف https://qurancomplex.gov.sa/ - تطبيق مصحف المدينة النبوية - حفص https://qurancomplex.gov.sa/apps-hafs/ - تطبيق آيات: مشروع المصحف الإلكتروني بجامعة الملك سعود https://quran.ksu.edu.sa/ayat/
أخرى	

2. المرافق والتجهيزات المطلوبة:

العناصر	متطلبات المقرر
المرافق النوعية (القاعات الدراسية، المختبرات، قاعات العرض، قاعات المحاكاة ... إلخ)	القاعات الدراسية ومعامل الكمبيوتر
التجهيزات التقنية (جهاز عرض البيانات، السبورة الذكية، البرمجيات)	أجهزة حاسوب، اتصال بالانترنت، نظام إدارة التعلم Blackboard
تجهيزات أخرى (تبعاً لطبيعة التخصص)	

و. تقويم جودة المقرر:

مجالات التقويم	المقيمون	طرق التقييم
فاعلية التدريس	الطلاب، مدرس المقرر	غير مباشرة: عن طريق تحليل نتائج استبانة تقييم الطلاب لعضو هيئة التدريس
فاعلية طرق تقييم الطلاب	مدرس المقرر	غير مباشرة: عن طريق تحليل استبانة تقييم الطلاب للمقرر
مصادر التعلم	مدرس المقرر والطلاب	غير مباشرة: عن طريق تحليل نتائج استبانة تقييم المصادر
مدى تحصيل مخرجات التعلم للمقرر	مدرس المقرر	مباشرة: عن طريق قياس نواتج تعلم المقرر
أخرى		

المقيمون (الطلبة، أعضاء هيئة التدريس، قيادات البرنامج، المراجع النظير، أخرى (يتم تحديدها).

طرق التقييم (مباشر وغير مباشر).

ز. اعتماد التوصيف:

جهة الاعتماد	مجلس قسم القراءات
رقم الجلسة	
تاريخ الجلسة	

Level [5]

Course Specification
(Bachelor)

Course Title:	**Sustainable Design Studio**
Course Code:	**ARC 3004**
Program:	**Bachelor of Architecture and Planning**
Track:	**(General Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UN29

Courses Group: Des. Proc.

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A. General information about the course:

1. Course Identification

1. Credit hours:	5 Cr. Hrs.	**Contact hours:**	10 Hrs. / week

2. Course type

a.	University		College		Department	●	Track		Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 3 Level 5

4. Course general description:

This course focuses on integrating environmental sustainability into architectural design through passive and active design principles. It introduces a sustainable framework for creating healthy, efficient, and green buildings. Students will build upon this knowledge by applying sustainable strategies and technologies to a medium-sized design project. By the end of the course, students will be equipped to select and implement appropriate solutions to enhance a building's environmental performance and sustainability.

5. Pre-requirements for this course (if any):

ARC 2003 Vernacular Architecture Design Studio Year: 2 Level: 4

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to provide students with a comprehensive understanding of sustainable design theories and their application in the built environment. Students will learn how to integrate sustainability into their design decisions, considering both user needs and environmental impacts. They will be encouraged to create innovative, environmentally responsible design concepts while utilizing diverse tools and methods to achieve sustainability goals. Additionally, students will analyze the factors shaping the built environment, effectively use digital skills throughout the design process, and develop their ability to collaborate and lead diverse teams in a constructive and responsible manner.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	10	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	0
2	Practical	0
3	Studio	150
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**150**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of theories of the built environment. (K1-f)	**K1**	Collaborative L. (Teamwork Research)	Eval. of Research
1.2	Demonstrate a clear understanding of how to achieve a sustainable built environment. (K1-j)	**K1**	Interactive L. (Dialogue & discussion)	Written Assgs./ Exams
	Skills			
2.1	Make design decisions considering user requirements and various environmental impacts. (S1-a)	**S1**	Self–Learning	Eval. of Project(s)
2.2	Create innovative concepts and forms for the built environment. (S1-c)	**S1**	Self–Learning	Eval. of Project(s)
2.3	Utilize diverse means to achieve a sustainable built environment. (S1-j)	**S1**	Self–Learning	Eval. of Project(s)
2.4	Analyze factors shaping and influencing the built environment. (S1-l)	**S1**	Self–Learning	Eval. of Research
2.5	Effectively use digital skills throughout the design process of the built environment. (S6-a)	**S6**	Self–Learning	Eval. of Project(s)
	Values, autonomy, and responsibility			
3.1	Collaborate effectively and lead diverse teams to complete tasks responsibly and constructively. (V2-c)	**V2**	Collaborative L. (Teamwork Research)	Eval. of Project(s)

C. Course Content

No	List of Topics	Contact
1	Sustainable location and transportation	10
2	Sustainable site	10
3	Water efficiency	10
4	Energy and atmosphere	10
5	Materials and resources	10
6	Indoor air quality and thermal comfort	10
7	Indoor efficient lighting and view	10
8	Analysis of similar projects and site analysis	10
9	Preliminary study of the project and its components	10
10	Development of plans and sustainable applications	10
11	Development of plans and sustainable applications	10
12	Development of plans and sustainable applications	10
13	Development of sections and elevations	10
14	Full project development: Part-1	10
15	Full project development: Part-2	10
	Total	150

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	Cont. Assess. (Eval. of Research, Written Assgs./ Exams, Eval. of Project(s))	1 to 15	70
2	Mid-Term Exam (Drawing Exam)	7	10
3	Final Submission (Final Project Oral Exam)	16	20

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Kubba, S. (2017). Handbook of Green Building Design and Construction. Elsevier Science.
	U.S. Green Building Council. (2010). Green building design and construction.
Supportive References	Kibert, C. (2016). Sustainable Construction, 4th Edition. John Wiley & Sons.
	Saudi building code National committee (2018). Green Construction Code 1001.
	Saudi building code National committee (2018). Energy conservation- residential 602.
	Saudi building code National committee (2018). Energy conservation- nonresidential 601.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Studio
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Mohammad Abdullah Almahdi	**Ahmed M. A. Shehata**	**Oumr Adnan Osra**
Head of PPC	Head of C&SPC	Head of D&QC
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Building Construction Studio 3**
Course Code:	**ARC 3303**
Program:	**Bachelor of Architecture and Planning**
Track:	**(General Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

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Courses Group: Constr. & Bldg. Syst.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	4 Hrs. / week

2. Course type

a.	University		College		Department	●	Track		Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 3 Level 5

4. Course general description:

This studio focuses on producing detailed technical drawings of building installations. It covers mechanical, plumbing, and electrical systems, along with acoustical and illumination systems. Additionally, students explore smart technologies such as IoT and computer-based systems. Using their previously designed housing units, students will execute detailed drawings of water supply, drainage, electrical, and mechanical systems, as well as lighting treatments, ensuring a comprehensive understanding of building technical installations.

5. Pre-requirements for this course (if any):

ARC 2302	Building Construction Studio 2	Year: 2	Level: 4

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to provide students with a thorough understanding of technical installations in buildings, focusing on their integration within the construction process. Students will develop the ability to solve complex problems related to building systems and construction challenges. Emphasis will be placed on creating precise and efficient technical drawings that effectively communicate design solutions. Additionally, students will learn to manage tasks efficiently, working under pressure to meet deadlines and ensuring high-quality outcomes in a professional setting.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	4	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	0
2	Practical	0
3	Studio	60
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**60**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of technical installations in buildings. (K2-c)	**K2**	Blended Learning (Flipped classroom)	Written Assgs./ Exams
	Skills			
2.1	Solve complicated problems associated with the built environment. (S1-b)	**S1**	Self–Learning	Eval. of Project(s)
2.2	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning	Eval. of Project(s)
2.3	Create drawings with efficiency and precision. (S4-c)	**S4**	Self–Learning	Eval. of Project(s)
	()			
	Values, autonomy, and responsibility			
3.1	Mange and complete tasks efficiently under pressure and within deadlines. (V3-a)	**V3**	Self–Learning	Direct Observation

C. Course Content

No	List of Topics	Contact
1	Introduction to technical systems in buildings	4
2	Plumbing systems	4
3	Technical drawings of sanitary drainage systems	4
4	Technical drawings of water supply systems in the housing unit	4
5	Illumination systems	4
6	Technical drawings of illumination systems	4
7	Electrical systems	4
8	Technical drawings of normal electrical systems	4
9	Mechanical systems	4
10	Technical drawings of ventilation and air conditioning (HVAC) systems	4
11	Technical drawings of central cooling systems	4
12	Acoustical systems	4
13	Technical drawings of acoustical systems	4
14	Other related systems and tech. (Fire protection, smart systems, IoT, computer-based systems, etc.)	4
15	Technical drawings of other related systems (smart systems, IoT, computer-based systems, etc.)	4
	Total	60

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	Cont. Assess. (Written Assgs./ Exams, Eval. of Project(s))	1 to 15	60
2	Mid-Term Exam (Written and Drawing Exam)	7	20
3	Final Submission of the Project	16	20

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Ching, D.K. (2020). Building Construction Illustrated. Van Nostrad Reinhold.
	International Code Council. (2021). International Plumbing Code. ICC.
Supportive References	Bradshaw, V. (2010). The Building Environment : Active and Passive Control Systems. John Wiley & Sons.
	Hurt, S. (2017). Building systems in interior design. Routledge.
	Saudi building code National committee. (2018). Saudi Electrical Code: SBC 401.
	Saudi building code National committee. (2018). Saudi Mechanical Code: SBC 501.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Studio
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Mohammad Abdullah Almahdi	**Mohamed Atef Elhamy Kamel**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Introduction to Urban Design Studio**
Course Code:	**ARC 3403**
Program:	**Bachelor of Architecture and Planning**
Track:	**(General Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UN31

Courses Group: Urban Des.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	3 Cr. Hrs.	**Contact hours:**	6 Hrs. / week

2. Course type

a.	University		College		Department	●	Track		Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 3 Level 5

4. Course general description:

This studio introduces students to the practical application of key concepts and principles in urban design, focusing on understanding the urban environment. Through small-scale urban design assignments, students will build upon their previously acquired skills, applying them to real-world scenarios. The course emphasizes hands-on learning and encourages the development of foundational urban design techniques, preparing students for more advanced studios in the urban design track.

5. Pre-requirements for this course (if any):

ARC 2401 Principles of Urban Design Year: 2 Level: 4

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to help students define functional requirements in urban design, make informed design decisions considering user needs and environmental impacts, and address complex challenges within the built environment. Students will create innovative design concepts, apply relevant theories and methods, and enhance communication through digital skills. The course also focuses on efficient task management, ensuring students complete projects under pressure and meet deadlines.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	6	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	0
2	Practical	0
3	Studio	90
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**90**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Define functional requirements and relationships for different sectors of the built environment. (K1-b)	**K1**	Self–Learning	Eval. of Project(s)
	Skills			
2.1	Make design decisions considering user requirements and various environmental impacts. (S1-a)	**S1**	Self–Learning	Eval. of Project(s)
2.2	Solve complicated problems associated with the built environment. (S1-b)	**S1**	Self–Learning	Eval. of Project(s)
2.3	Create innovative concepts and forms for the built environment. (S1-c)	**S1**	Self–Learning	Eval. of Project(s)
2.4	Apply the theories and methods of designing the built environment. (S1-d)	**S1**	Self–Learning	Eval. of Project(s)
2.5	Effectively apply digital skills to enhance communication. (S5-b)	**S5**	Self–Learning	Eval. of Project(s)
	Values, autonomy, and responsibility			
3.1	Mange and complete tasks efficiently under pressure and within deadlines. (V3-a)	**V3**	Self–Learning	Direct Observation

C. Course Content

No	List of Topics	Contact
1	Introduction to the studio	6
2	Data collection	6
3	Analyzing the collected data to reach the main objectives: Part 1	6
4	Analyzing the collected data to reach the main objectives: Part 2	6
5	Generating and developing urban design concepts: Part 1	6
6	Generating and developing urban design concepts: Part 2	6
7	Evaluating the alternatives based on assessment criteria	6
8	Site plan development	6
9	Plans development: Part 1	6
10	Plans development: Part 2	6
11	Plans and sections development	6
12	Elevations development	6
13	Presentation techniques	6
14	Full project follow-up: Part 1	6
15	Full project follow-up: Part 2	6
	Total	90

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	Cont. Assess. (Eval. of Project(s))	1 to 15	70
2	Mid-Term Exam (Drawing Exam)	7	10
3	Final Submission (Final Project Oral Exam)	16	20

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Watson, D. (2011). Time-Saver Standards for Urban Design. McGraw-Hill.
	Carmona, M. (2021). Public places urban spaces: The dimensions of urban design. Routledge.
Supportive References	Krier, R. (1993). Urban Space. Rizzoli.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Studio
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Mohammad Abdullah Almahdi	**Adnan Yehya Alshahrani**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Renaissance and Pre-modern Architecture**
Course Code:	**ARC 3203**
Program:	**Bachelor of Architecture and Planning**
Track:	**(General Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

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Courses Group: Arc. Hist. & Th.

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A. General Information about the course 3

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2. Teaching mode 3

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A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department	●	Track		Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 3 Level 5

4. Course general description:

This course introduces students to world architecture from the Renaissance through the 18th and 19th centuries, leading up to the pre-modern period. It explores the cultural, technological, and aesthetic developments that shaped architectural history during these eras. Emphasis is placed on the works and trends of architects and movements, helping students understand the evolution of architectural styles and their impact on the built environment through time.

5. Pre-requirements for this course (if any):

ARC 2202	Architecture of Islamic Civilization	Year: 2	Level: 4

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to deepen students' understanding of the factors influencing architectural styles from the Renaissance to the pre-modern period. Students will critically analyze key architectural works and movements, exploring various aspects that affect their form, function and construction. The course encourages independent learning and fosters persistence and a commitment to excellence.

2. Teaching mode

(Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of the history of the built environment. (K1-e)	**K1**	Direct Learning (Lecture)	Written Exam
1.2	Explain the impact of different aspects on the built environment. (K1-h)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
	Skills			
2.1	Analyze factors shaping and influencing the built environment. (S1-l)	**S1**	Interactive L. (Dialogue & discussion)	Written Exam
2.2	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning (Research work)	Eval. of Research
	()			
	Values, autonomy, and responsibility			
3.1	Demonstrate persistence on achievement and distinction. (V2-d)	**V2**	Self–Learning	Eval. of Portfolio

C. Course Content

No	List of Topics	Contact
1	Characters of Renaissance Architecture	2
2	Italian Renaissance - Part 1	2
3	Italian Renaissance - Part 2	2
4	Italian Renaissance - Part 3	2
5	French Renaissance - Part 1	2
6	French Renaissance - Part 2	2
7	English Renaissance - Part 1	2
8	English Renaissance - Part 2	2
9	Baroque Architecture - Part 1	2
10	Baroque Architecture - Part 2	2
11	Industrial revolution	2
12	Pre-modern architecture - Part 1	2
13	Pre-modern architecture - Part 2	2
14	Pre-modern architecture - Part 3	2
15	Architectural applications of iron and steel construction	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research, Eval. of Portfolio)	14	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Moffett, M. et al. (2008). A world History of Architecture. McGraw-Hill.
	Fletcher, B. (2020). Sir Banister Fletcher's Global history of architecture. Bloomsbury Visual Arts.
Supportive References	Ching, F. et al. (2017). A global history of architecture. Wiley.
	Bussagli, M. (2019). Italian Renaissance Architecture. Koenemann.
	Riseberro, B. (2012). The Story of Western Architecture. The MIT Press.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Mohammad Abdullah Almahdi	Mohamed Wahba Ibrahim Khalil	Oumr Adnan Osra
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	Mohamed Wahba Ibrahim Khalil	Ahmed M. A. Shehata

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Principles of Urban Planning**
Course Code:	**ARC 3404**
Program:	**Bachelor of Architecture and Planning**
Track:	**(General Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

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Courses Group: Urban Plan.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

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A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department	●	Track		Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 3 Level 5

4. Course general description:

This course provides a foundational introduction to urban planning, serving as a prelude to the "Introduction to Urban Planning Studio" and other studios in the urban planning track. It explores the history of cities, land use, urban services and infrastructure, essential studies required, and data collection and analysis. Students will cover topics such as urban planning studies, demographic and economic studies, environmental studies, SWOT analysis, and vision and objective determination. This comprehensive understanding equips students with the tools necessary for effective urban planning.

5. Pre-requirements for this course (if any):

ARC 2003	Vernacular Architecture Design Studio	Year: 2	Level: 4

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to provide students with an understanding of the processes, methods, and fundamentals of urban planning. Students will explore the history and theories of urban planning, gaining insight into how different aspects influence its development. The course will also cover various infrastructure systems and their role in urban planning. Students are encouraged to independently seek and apply knowledge, while developing skills to collaborate effectively and lead diverse teams in completing tasks responsibly and constructively.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Explain processes, methods and fundamentals of designing the built environment. (K1-a)	**K1**	Direct Learning (Lecture)	Written Exam
1.2	Demonstrate an understanding of the history of the built environment. (K1-e)	**K1**	Direct Learning (Lecture)	Written Exam
1.3	Demonstrate an understanding of theories of the built environment. (K1-f)	**K1**	Direct Learning (Lecture)	Written Exam
1.4	Explain the impact of different aspects on the built environment. (K1-h)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
1.5	Demonstrate an understanding of various types of infrastructure systems. (K2-b)	**K2**	Interactive L. (Dialogue & discussion)	Written Exam
	Skills			
2.1	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Collaborative L. (Teamwork Research)	Eval. of Research
	()			
	Values, autonomy, and responsibility			
3.1	Collaborate effectively and lead diverse teams to complete tasks responsibly and constructively. (V2-c)	**V2**	Collaborative L. (Teamwork Research)	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	Definition of urban planning and planning levels and types	2
2	History of cities: Aancient civilizations and medieval times	2
3	Cities in Arab Islamic civilization	2
4	Cities of the Industrial Revolution	2
5	Urban morphology	2
6	Land use planning	2
7	Housing policy and planning	2
8	Services planning standards	2
9	Transportation planning	2
10	Urban roads and infrastructure planning	2
11	Urban sprawl	2
12	Introduction to sustainable urban development	2
13	Required studies for urban planning 1	2
14	Required studies for urban planning 2	2
15	Data analysis techniques	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research)	14	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Norwich, J. (2016). The Great Cities in History. Thames & Hudson.
	Carl Abbott. (2020). City Planning: A Very Short Introduction. Oxford University Press.
Supportive References	Couch, C. (2016). Urban Planning: an Introduction. Macmillan.
	Berke, P. and Godschalk, D. (2006). Urban Land Use Planning. University of Illinois Press.
	Oliveira, V. (2016). Urban Morphology: An Introduction. Springer.
	Butler, K. (2012). Planning and Urban Design Standards. Wiley.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Mohammad Abdullah Almahdi	**Abdulrahman Abdulaziz Majrashi**	**Oumr Adnan Osra**
Head of PPC	Head of C&SPC	Head of D&QC
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Housing**
Course Code:	**ARC 3405**
Program:	**Bachelor of Architecture and Planning**
Track:	**(General Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UN26

Courses Group: Urban Plan.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

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D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department	●	Track		Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 3 Level 5

4. Course general description:

This course explores key definitions and concepts related to housing, including shelter, population, and area density. Students will examine different housing types, factors influencing housing design, and criteria for addressing design considerations. The course also tackles common housing problems and solutions, with a focus on sustainable and livable communities. In its final phase, the course emphasizes neighborhood planning, providing students with the skills to design functional and cohesive residential areas.

5. Pre-requirements for this course (if any):

ARC 2003	Vernacular Architecture Design Studio	Year: 2	Level: 4

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to help students understand the theories and factors influencing the built environment, with a focus on housing. Students will analyze how various elements shape housing design and its broader impact. The course encourages independent learning and ongoing professional development in housing design.

2. Teaching mode

(Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of theories of the built environment. (K1-f)	**K1**	Direct Learning (Lecture)	Written Exam
1.2	Explain the impact of different aspects on the built environment. (K1-h)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
	Skills			
2.1	Analyze factors shaping and influencing the built environment. (S1-l)	**S1**	Interactive L. (Dialogue & discussion)	Written Exam
	()			
	Values, autonomy, and responsibility			
3.1	Demonstrate responsibility for self-learning and ongoing development. (V2-b)	**V2**	Self–Learning	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	The importance of housing	2
2	Housing history	2
3	History of housing in Saudi Arabia	2
4	Types of contemporary Saudi housing and their characteristics	2
5	Housing information sources and their importance	2
6	Social housing requirements	2
7	Economic housing requirements	2
8	Environmental housing requirements	2
9	Legal factors affecting housing and stakeholders	2
10	Housing for poor and needy	2
11	Urban design inside residential areas	2
12	Housing site selection and analysis	2
13	Density calculations and housing form	2
14	The neighborhood housing	2
15	Neighborhood services and its road network	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research)	14	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Towers, G. (2015). Introduction to Urban Housing Design: At Home in the City. Routledge.
	Firley, E. and Deupi, V. (2023). The Urban Housing Handbook. John Wiley & Sons.
Supportive References	باهمام، ع. (2018). الإســـــكان. الجمعية السعودية لعلوم العمران. دار دكة. (متوفر بمكتبة الجامعة)
	Butler, K. (2012). Planning and Urban Design Standards. Wiley.
	Kliment, S., & Chandler, R. (2010). Building type basics for housing. John Wiley & Sons.
	Clark. W. (2021). Advanced Introduction to Housing Studies. Edward Elgar Publishing.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Mohammad Abdullah Almahdi	**Abdulrahman Abdulaziz Majrashi**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

General

Electives

توصيف المقرر الدراسي

(بكالوريوس)

اسم المقرر: مهارات حياتية
رمز المقرر: PSY3127
البرنامج: البكالوريوس
القسم العلمي: علم النفس
الكلية: التربية
المؤسسة: جامعة أم القرى
نسخة التوصيف: 2024
تاريخ آخر مراجعة: 7- 4- 2025م

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جدول المحتويات

أ. معلومات عامة عن المقرر الدراسي: 3
ب. نواتج التعلم للمقرر واستراتيجيات تدريسها وطرق تقييمها: 4
ج. موضوعات المقرر 5
د. أنشطة تقييم الطلبة 7
هـ. مصادر التعلم والمرافق: 7
و. تقويم جودة المقرر: 8
ز. اعتماد التوصيف: 8

أ. معلومات عامة عن المقرر الدراسي:

1. التعريف بالمقرر الدراسي

1. الساعات المعتمدة: (ساعتان)

2. نوع المقرر

أ -	☒ متطلب جامعة	☐ متطلب كلية	☐ متطلب تخصص	☐ متطلب مسار	☐ أخرى
ب -	☐ إجباري	☒ اختياري			

3. السنة / المستوى الذي يقدم فيه المقرر: (السادس)

4. الوصف العام للمقرر

يتناول المقرر جملة من المهارات والقيم الشخصية والنفسية والاجتماعية التي تسهم في صقل شخصيات الطلبة وتُساعدهم على اتخاذ قرارات واعية ومدروسة، وتنمية مهارات التكيف وإدارة الضغوط مع الظروف الحياتية المختلفة، كما يستهدف المقرر رفع مستوى الثقة بالنفس وتقدير الذات، ورفع مستوى الوعي بالأمن الفكري، وتدريب الطلبة على مهارات إدارة الذات والتفكير المستقبلي وربطها بالواقع من خلال التطبيق على مواقف حياتية مختلفة بما ينعكس على جودة حياة الطالب الجامعي.

5- المتطلبات السابقة لهذا المقرر (إن وجدت)

لا يوجد

6- المتطلبات المتزامنة مع هذا المقرر (إن وجدت)

لا يوجد

7. الهدف الرئيس للمقرر

يهدف هذا المقرر إلى تزويد الطلاب بالمهارات الحياتية التي تساعدهم على تطوير شخصياتهم من خلال تنمية مهارات التكيف، وإدارة الضغوط، وتعزيز الثقة بالنفس ورفع مستوى المسئولية المجتمعية، بالإضافة إلى تدريبهم على إدارة الذات والتفكير المستقبلي لتحسين جودة حياتهم وتطوير قدرتهم على تحقيق أهدافهم المستقبلية بفعالية.

2. نمط التعليم (اختر كل ما ينطبق)

م	نمط التعليم	عدد الساعات التدريسية	النسبة
1	تعليم التقليدي	-	-
2	التعليم الإلكتروني	-	-

م	نمط التعليم	عدد الساعات التدريسية	النسبة
3	التعليم المدمج • التعليم التقليدي • التعليم الإلكتروني	-	-
4	التعليم عن بُعد	30	%100

3. الساعات التدريسية (على مستوى الفصل الدراسي)

م	النشاط	ساعات التعلم	النسبة
1	محاضرات	30	%100
2	معمل أو إستوديو	-	-
3	ميداني	-	-
4	دروس إضافية	-	-
5	أخرى	-	-
	الإجمالي	30	%100

ب. نواتج التعلم للمقرر واستراتيجيات تدريسها وطرق تقييمها:

الرمز	نواتج التعلم	رمز ناتج التعلم المرتبط بالبرنامج	استراتيجيات التدريس	طرق التقييم
1.0	المعرفة والفهم			
1.1	يُعرِّف مفاهيم المهارات الحياتية واستراتيجياتها المختلفة	K1	المحاضرة – التعلم النشط	اختبار تحريري
1.2	يميز بين المهارات الحياتية وفق أسسها النظرية	K1	المحاضرة – التعلم النشط	اختبار تحريري
1.3	يميز استراتيجيات المهارات الحياتية المناسبة للمواقف الواقعية	S1	المحاضرة – التعلم النشط	اختبار تحريري
1.4	يقدم أمثلة لاستخدام بعض المهارات الحياتية في المواقف المختلفة	S1	المحاضرة - التعلم النشط	اختبار تحريري- تكليف فردي
2.0	المهارات			
2.1	يطبق استراتيجيات تنمية المهارات الحياتية	S2	التعلم النشط	تكليف فردي
2.2	يمارس التفكير الناقد في استنتاج العوامل المؤثرة في اكتساب المهارات الحياتية	S1	التعلم النشط	تكليف فردي

الرمز	نواتج التعلم	رمز ناتج التعلم المرتبط بالبرنامج	استراتيجيات التدريس	طرق التقييم
2.3	يوظف التقنية في إيجاد حلولا للمشكلات المجتمعية	S4	التعلم التعاوني- التعلم النشط	تكليف فردي
2.4	يتواصل بفاعلية مع زملائه	S3	التعلم التعاوني- التعلم النشط	التفاعل الصفي تكليف جماعي
3.0	القيم والاستقلالية والمسؤولية			
3.1	يبدي قدرته على التعلم الذاتي والاستقلالية، ويبحث بشكل مستقل عن مصادر إضافية لتوسيع معرفته.	V2	التعلم التعاوني- التعلم النشط	التفاعل الصفي تكليف فردي
3.2	يُظهر التزامًا عمليًا بقيم المواطنة من خلال تبني اسلوكيات إيجابية و اقتراح مبادرات تعزز الأمن الفكري، وتُسهم في الحفاظ على الهوية الوطنية والثقافة السعودية	V1	التعلم التعاوني- التعلم النشط	التفاعل الصفي تكليف فردي
3.3	يُظهر التزامًا عمليًا بالمسئولية المجتمعية، من خلال اقتراح مبادرة تطوعية تستجيب لاحتياجات المجتمع الجامعي، وتُبرز التزامه بالمشاركة الإيجابية في تحسين بيئته الاجتماعية.	V3	التعلم التعاوني- التعلم النشط	التفاعل الصفي تكليف جماعي
3.4	يُشارك بفاعلية قائدًا أو عضوًا، في تحقيق أهداف التكليف الجماعي، وبما يعكس مهارات التعاون، وتحمل المسؤولية، واحترام الأدوار داخل الفريق.	V4	التعلم التعاوني- التعلم النشط	تكليف جماعي

ج. موضوعات المقرر

م	قائمة الموضوعات	الساعات التدريسية المتوقعة
1	مدخل تعريفي للمهارات الحياتية: - مفهوم المهارة– العوامل المؤثرة في اكتساب المهارات، مفهوم المهارات الحياتية– تصنيفاتها – آليات اكتسابها وتطويرها . - أثر المهارات الحياتية على النجاح الشخصي والمهني للطالب الجامعي – آليات توظيف المهارات الحياتية في العصر الرقمي.	4
2	الوعي بالذات: مفهومه، انواعه، أهميته، العوامل المؤثرة ، أدواته، الوعي بالقيم والمعتقدات الشخصية ، الوعي بالمشاعر وآلية التعامل معها ، إستراتيجيات تنمية الوعي بالذات.	2

م	قائمة الموضوعات	الساعات التدريسية المتوقعة
3	تقدير الذات وتوكيدها: المفاهيم – أهميتها – العوامل المؤثرة فيها – تعزيز الذات وبناء الشخصية الإيجابية – إستراتيجيات تنمية تقدير الذات وتوكيدها، مع تطبيقات حياتية مختلفة.	2
4	التكيف والمرونة النفسية: المفاهيم – الأهمية – العوامل المؤثرة– العلاقة بينهما– العوامل الشخصية التي تعززالتكيف والمرونة النفسية – دور الدعم الاجتماعي في التكيف النفسي– استراتيجيات تعزيز التكيف والمرونة النفسية، مع تطبيقات حياتية مختلفة.	2
5	الذكاء الاجتماعي والعاطفي: مفهوم الذكاء الاجتماعي ومكوناته، مفهوم الذكاء العاطفي، ومكوناته، سمات الأفراد ذوي الذكاء الاجتماعي وذوي الذكاء العاطفي، استراتيجيات تنمية الذكاء الاجتماعي والعاطفي، مع تطبيقات حياتية مختلفة.	2
6	إدارة الضغوط: مفهوم الضغط النفسي،مصادر الضغوط النفسية، الآثار البيولوجية والنفسية والاجتماعية للضغط النفسي، مهارات واستراتيجيات التعامل مع الضغط النفسي، التفكير الإيجابي وخفض الضغوط،تطبيقات حياتية مختلفة.	2
7	إدارة الصراع: مفهوم الصراع وأسبابه، مظاهره و أنواعه، استراتيجيات إدارة الصراع وتوظيفها في التفاوض وحل المشكلات الحياتية.	2
8	القيادة والعمل الجماعي: مفهوم القيادة، القيادة والسيطرة، وظائف القائد، المهارات القيادية الأساسية، استراتيجيات التدريب على القيادة في المواقف الحياتية مفهوم العمل الجماعي وأهميته، أثر القيادة على ديناميكية العمل الجماعي، مهارات العمل الجماعي، فرق العمل و أنواعها، مهارات إدارة الفريق.	4
9	تعزيز المسئولية المجتمعية: المفهوم، أهميتها للفرد والمجتمع، و أنواعها. مع تطبيقات حياتية مختلفة تعزيز المسئولية المجتمعية لبعض القضايا: التطوع، خدمة ضيوف الرحمن، حماية البيئة، مع تطبيقات حياتية مختلفة.	4
10	تعزيز الأمن الفكري: مفهوم الأمن الفكري، أهميته، أبعاد الأمن الفكري، أساليب تحقيق الأمن الفكري، توظيف التفكير الناقد في فحص الأفكار، دور المؤسسات التعليمية في تعزيز الأمن الفكري ، تعزيز قيم المواطنة للحفاظ على هوية وثقافة المجتمع السعودي.	2
11	التخطيط المهني: مفهوم التخطيط المهني، أهميته، معوقاته والتحديات التي تواجهه، مزاياه ،مراحل النمو المهني، أهمية تعزيز مهارات التوظيف. القابلية للتوظيف ومهارات القرن الحادي والعشرين، التخطيط للمسار الوظيفي، المفهوم، والاهمية والعوامل المؤثرة، منصات التطوير المهني والتوظيف	4
	المجموع	30

د. أنشطة تقييم الطلبة

م	أنشطة التقييم	توقيت التقييم (بالأسبوع)	النسبة من إجمالي درجة التقييم
1)	النقاش والمشاركة والتفاعل الصفي	على مدار الفصل	15
2)	تكليفات فردية (أوراق عمل، واجبات قصيرة، اختبارات قصيرة...إلخ).	على مدار الفصل	20
3)	مشروع جماعي (موضوع المسئولية المجتمعية)	الأسبوع الثاني عشر	15
4)	اختبار نهائي	أسبوع نهائي للمقررات العامة	50

أنشطة التقييم (اختبار تحريري، شفهي، عرض تقديمي، مشروع جماعي، ورقة عمل وغيره).

هـ. مصادر التعلم والمرافق:

1. قائمة المراجع ومصادر التعلم:

المرجع الرئيس للمقرر	- عبدالرحمن، إيمان (2021). ***المهارات الحياتية***. دار الثقافة للنشر والتوزيع - الرشيدي، أنوار، زاهد، منال، البرعي، هانم، ومعوض، غادة (2019). ***المهارات الحياتية***. دار الرائدية للنشر والتوزيع.
المراجع المساندة	- الختاتنة، سامي (2016). ***مهارات الحياة بين النظرية والتطبيق***. دار الحامد للنشر والتوزيع. - Brent,M. and Dent, F. (2017). *The leadership of teams: How to develop and inspire high-performance teamwork*. Bloomsbury
المصادر الإلكترونية	
أخرى	

2. المرافق والتجهيزات المطلوبة:

العناصر	متطلبات المقرر
المرافق النوعية (القاعات الدراسية، المختبرات، قاعات العرض، قاعات المحاكاة ... إلخ)	**القاعات الدراسية ومعامل الكمبيوتر**
التجهيزات التقنية (جهاز عرض البيانات، السبورة الذكية، البرمجيات)	**أجهزة حاسوب، اتصال بالانترنت، نظام إدارة التعلم Blackboard**
تجهيزات أخرى (تبعاً لطبيعة التخصص)	-

و. تقويم جودة المقرر:

مجالات التقويم	المقيمون	طرق التقييم
فاعلية التدريس	الطلاب، مدرس المقرر	غير مباشرة: عن طريق تحليل نتائج استبانة تقييم الطلاب لعضو هيئة التدريس
فاعلية طرق تقييم الطلاب	مدرس المقرر	غير مباشرة: عن طريق تحليل استبانة تقييم الطلاب للمقرر
مصادر التعلم	مدرس المقرر والطلاب	غير مباشرة: عن طريق تحليل نتائج استبانة تقييم المصادر
مدى تحصيل مخرجات التعلم للمقرر	مدرس المقرر	مباشرة: عن طريق قياس نو اتج تعلم المقرر
أخرى	-	-

المقيمون (الطلبة، أعضاء هيئة التدريس، قيادات البرنامج، المراجع النظير، أخرى (يتم تحديدها).

طرق التقييم (مباشر وغير مباشر).

ز. اعتماد التوصيف:

جهة الاعتماد	
رقم الجلسة	
تاريخ الجلسة	

توصيف المقرر الدراسي

(بكالوريوس)

اسم المقرر: مهارات التخطيط المالي الشخصي
رمز المقرر: FIN3703
البرنامج: التمويل والاستثمار
القسم العلمي: المالية والمصارف والتأمين
الكلية: الإدارة والاقتصاد
المؤسسة: جامعة ام القرى
نسخة التوصيف: الأولى
تاريخ آخر مراجعة: 28\01\2025م

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جدول المحتويات

أ. معلومات عامة عن المقرر الدراسي: 3
ب. نواتج التعلم للمقرر واستراتيجيات تدريسها وطرق تقييمها: 4
ج. موضوعات المقرر ..... Error! Bookmark not defined.
د. أنشطة تقييم الطلبة 5
هـ. مصادر التعلم والمرافق: 6
و. تقويم جودة المقرر: 7
ز. اعتماد التوصيف: 7

أ. معلومات عامة عن المقرر الدراسي:

1. التعريف بالمقرر الدراسي

1. الساعات المعتمدة: (2)					
2					
2. نوع المقرر					
أ -	☒ متطلب جامعة	☐ متطلب كلية	☐ متطلب تخصص	☐ متطلب مسار	☐ أخرى
ب -	☐ إجباري	☒ اختياري			
3. السنة / المستوى الذي يقدم فيه المقرر: (السنة الثالثة 3 / المستوى الخامس 5)					
4. الوصف العام للمقرر					
تزويد الطالب بالمعرفة والمهارات الأساسية المتعلقة بالتخطيط المالي الشخصي، حيث يتناول المفاهيم المالية الأساسية، وأساليب إعداد الميزانية، وإدارة الدخل والنفقات، والتعامل مع مصادر التمويل المختلفة. كما يناقش المقرر الأدوات الاستثمارية المتاحة، ومبادئ أسواق المال، وآليات إدارة المخاطر، ويُعنى بتأهيل الطالب لوضع خطط مالية فعّالة لتحقيق أهدافه قصيرة وطويلة المدى، بما في ذلك التخطيط للتقاعد.					
5- المتطلبات السابقة لهذا المقرر (إن وجدت)					
لا يوجد					
6- المتطلبات المتزامنة مع هذا المقرر (إن وجدت)					
لا يوجد					
7. الهدف الرئيس للمقرر					
تزويد الطالب بالمهارات والمعارف اللازمة لإعداد خطة مالية شخصية شاملة، تمكّنه من اتخاذ قرارات مالية مدروسة تتوافق مع أولوياته وموارده، وتساعده على تحقيق الاستقرار المالي على المدى القصير والطويل.					

2. نمط التعليم (اختر كل ما ينطبق)

م	نمط التعليم	عدد الساعات التدريسية	النسبة
1	تعليم التقليدي		
2	التعليم الإلكتروني		
3	التعليم المدمج • التعليم التقليدي • التعليم الإلكتروني		
4	التعليم عن بعد	30	%100

3. الساعات التدريسية (على مستوى الفصل الدراسي)

م	النشاط	ساعات التعلم	النسبة
1	محاضرات	30	%100
2	معمل أو إستوديو		
3	ميداني		
4	دروس إضافية		
5	أخرى		
	الإجمالي	30	%100

ب. نواتج التعلم للمقرر واستراتيجيات تدريسها وطرق تقييمها:

الرمز	نواتج التعلم	رمز ناتج التعلم المرتبط بالجامعة	استراتيجيات التدريس	طرق التقييم
1.0	المعرفة والفهم			
1.1	يُظهر معرفة وفهمًا بالمفاهيم الأساسية في المالية الشخصية، بما يشمل الإطار النظري لإعداد الميزانية، وتحديد الأهداف المالية، وخيارات التمويل والاستثمار، ومبادئ إدارة المخاطر.	KI-1	- المحاضرات - مجموعات النقاش - التعليم الذاتي	- الاختبار النصفي - الاختبار النهائي - المشاركة خلال المحاضرة
2.0	المهارات			
2.1	يُؤدي المهام المالية الأساسية من خلال إعداد ميزانية شخصية وتخطيط مالي قصير وطويل المدى، باستخدام المعارف والمهارات المناسبة.	SI-1	- المحاضرات - مجموعات النقاش - التعليم الذاتي	- مشروع عملي - إعداد ميزانية شهرية وشخصية
2.2	يُستخدم التطبيقات الرقمية والتقنية في تحليل البدائل الاستثمارية ومعالجة البيانات المالية ذات الصلة	SI-3	- المحاضرات - مجموعات النقاش - التعليم الذاتي	- مشروع عملي - استخدام التقنية في إعداد الميزانية الشخصية

الرمز	نواتج التعلم	رمز ناتج التعلم المرتبط بالجامعة	استراتيجيات التدريس	طرق التقييم
2.3	يؤدي تحليلاً للبدائل المالية والاستثمارية من خلال مقارنة المخاطر والعوائد واختيار الأنسب للأهداف الشخصية. .	SI-2	- المحاضرات - مجموعات النقاش - التعليم الذاتي	- مشروع عملي - المشاركة خلال المحاضرة
3.0	القيم والاستقلالية والمسؤولية			
3.1	يُظهر الاستقلالية ويتحمل المسؤولية في تصميم خطة مالية شخصية تتناسب مع أولوياته وإمكاناته.	VI-2	- مجموعات النقاش - التعليم الذاتي	- تقسيم الطلاب في مجموعات وتغيير قائد المجموعة في كل مرة - مشروع عملي لأعداد خطة مالية شخصية

ج. موضوعات المقرر:

م	قائمة الموضوعات	الساعات التدريسية المتوقعة
1	**مقدمة في المالية الشخصية** - مفاهيم أساسية في المالية والاستثمار - أهمية التخطيط المالي الشخصي	2
2	**إعداد الميزانية الشخصية** - تحديد الدخل والنفقات - تصنيف النفقات وإعداد الميزانية - إدارة السيولة النقدية والديون	2
3	**مصادر التمويل:** - قصير الاجل - طويل الاجل	2
4	**أنواع الأصول الاستثمارية** - الأسهم - السندات	4

	- صناديق الاستثمار	
5	**أساسيات أسواق المال** - أسواق الأسهم - أسواق السندات - طرق تقييم الفرص الاستثمارية	6
6	**اختبار نصفي**	0
7	**إدارة المخاطر والتنويع الاستثماري** - مفهوم المخاطر وأنواعها - استراتيجيات التحوط من المخاطر - أدوات الاستثمار المناسبة لمختلف مستويات المخاطر - استراتيجيات التنويع	6
8	**التخطيط المالي للأهداف قصيرة المدى** - الادخار للأهداف المستقبلية (شراء منزل، تعليم الأطفال، ...) - الاستثمار في أدوات مناسبة لأهداف قصيرة المدى	4
9	**التخطيط المالي للتقاعد** - مفاهيم أساسية في التخطيط المالي للتقاعد - أدوات الادخار والاستثمار للتقاعد	4
المجموع		30

د. أنشطة تقييم الطلبة:

م	أنشطة التقييم	توقيت التقييم (بالأسبوع)	النسبة من إجمالي درجة التقييم
1	**اختبار تحريري نصفي**	8	%20
2	**مشروع**	مستمر	%10
3	**مشاركة خلال المحاضرة**	مستمر	%10
4	**اختبار تحريري نهائي**	يعتمد من عمادة القبول والتسجيل	%60
...	**الإجمالي**		%100

أنشطة التقييم (اختبار تحريري، شفهي، عرض تقديمي، مشروع جماعي، ورقة عمل وغيره)

هـ. مصادر التعلم والمرافق:

1. قائمة المراجع ومصادر التعلم:

المرجع الرئيس للمقرر	1- التخطيط المالي، للمؤلف د. عطا علي الزبون، 2017
المراجع المساندة	2- مهارات الإدارة المالية الشخصية، للمؤلف د. سليمان الشحومي، 2014
المصادر الإلكترونية	https://www.investopedia.com/terms/f/financial_plan.asp https://www.nerdwallet.com/article/investing/what-is-a-financial-plan

	https://smartasset.com/financial-advisor/financial-planning-explained
أخرى	

2. المرافق والتجهيزات المطلوبة:

العناصر	متطلبات المقرر
المرافق النوعية (القاعات الدراسية، المختبرات، قاعات العرض، قاعات المحاكاة ... إلخ)	**القاعات الدراسية ومعامل الكمبيوتر**
التجهيزات التقنية (جهاز عرض البيانات، السبورة الذكية، البرمجيات)	**أجهزة حاسوب، اتصال بالانترنت، نظام إدارة التعلم Blackboard**
تجهيزات أخرى (تبعاً لطبيعة التخصص)	-

و. تقويم جودة المقرر:

مجالات التقويم	المقيمون	طرق التقييم
فاعلية التدريس	الطلاب، مدرس المقرر	غير مباشرة: عن طريق تحليل نتائج استبانة تقييم الطلاب لعضو هيئة التدريس
فاعلية طرق تقييم الطلاب	مدرس المقرر	غير مباشرة: عن طريق تحليل استبانة تقييم الطلاب للمقرر
مصادر التعلم	مدرس المقرر والطلاب	غير مباشرة: عن طريق تحليل نتائج استبانة تقييم المصادر
مدى تحصيل مخرجات التعلم للمقرر	مدرس المقرر	مباشرة: عن طريق قياس نواتج تعلم المقرر
أخرى		

المقيمون (الطلبة، أعضاء هيئة التدريس، قيادات البرنامج، المراجع النظير، أخرى (يتم تحديدها).

طرق التقييم (مباشر وغير مباشر).

ز. اعتماد التوصيف:

جهة الاعتماد	
رقم الجلسة	
تاريخ الجلسة	

توصيف المقرر الدراسي

(بكالوريوس)

اسم المقرر: مقدمة في صناعة السياحة والضيافة
رمز المقرر: THM3191
البرنامج: السياحة والضيافة
القسم العلمي: قسم السياحة والضيافة
الكلية: كلية الإدارة والإقتصاد
المؤسسة: جامعة أم القرى
نسخة التوصيف: 2
تاريخ آخر مراجعة: 8/4/2025

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جدول المحتويات

أ. معلومات عامة عن المقرر الدراسي 3
ب. نواتج التعلم للمقرر واستراتيجيات تدريسها وطرق تقييمها 4
ج. موضوعات المقرر 6
د. أنشطة تقييم الطلبة 6
هـ. مصادر التعلم والمرافق 7
و. تقويم جودة المقرر 8
ز. اعتماد التوصيف 8

أ. معلومات عامة عن المقرر الدراسي:

1. التعريف بالمقرر الدراسي:

1. الساعات المعتمدة: 2				
2. نوع المقرر				
أ-	☐ متطلب جامعة	☐ متطلب كلية	☐ متطلب تخصص	☐ متطلب مسار
ب-	☐ إجباري	☒ اختياري		
3. السنة / المستوى الذي يقدم فيه المقرر: (7)				
4. الوصف العام للمقرر				
تزداد أهمية صناعة السياحة يومًا بعد يوم لكونها ركيزة أساسية في الدخل القومي للعديد من الدول، وقد أصبحت ثالث أكبر صناعة على مستوى العالم، تساهم بنحو 10% من إجمالي الناتج المحلي العالمي، وتوفر حوالي 10% من إجمالي الوظائف عالميًا. يكتسب هذا المقرر أهميته من كون السياحة عنصرًا محوريًا في رؤية المملكة 2030، لدورها في تعزيز قطاعات متعددة تشمل الضيافة، الفعاليات، النقل، ومواقع الجذب السياحي. كما أن الضيافة تعد جزءًا أساسيًا من الهوية والثقافة السعودية، المرتبطة بشرف خدمة ضيوف الرحمن، فضلًا عن قطاع المأكولات المتنوع الذي يعكس التنوع الثقافي في المملكة.				
5- المتطلبات السابقة لهذا المقرر (إن وجدت)				
-				
6- المتطلبات المتزامنة مع هذا المقرر (إن وجدت)				
-				
7. الهدف الرئيس للمقرر				
• يهدف هذا المقرر إلى تعريف الطلاب بمفاهيم صناعة السياحة والضيافة، وأهميتها الاقتصادية والاجتماعية والثقافية، وتأهيلهم بالمعارف والمهارات الأساسية لفهم مكونات هذه الصناعة الحيوية في المملكة، مع التركيز على مفاهيم الاستدامة، الابتكار، وجودة الخدمة.				

2. نمط التعليم:

م	نمط التعليم	عدد الساعات التدريسية	النسبة
1	تعليم اعتيادي		
2	التعليم الإلكتروني		
3	التعليم المدمج • التعليم الاعتيادي • التعليم الإلكتروني		
4	التعليم عن بعد	30	%100

3. الساعات التدريسية: (على مستوى الفصل الدراسي)

م	النشاط	ساعات التعلم	النسبة
1	محاضرات	30	100%
2	معمل أو إستوديو		
3	ميداني		
4	دروس إضافية		
5	أخرى (تذكر)		
	الإجمالي	30	%100

ب. نواتج التعلم للمقرر واستراتيجيات تدريسها وطرق تقييمها:

الرمز	نواتج التعلم	رمز ناتج التعلم المرتبط بالبرنامج	استراتيجيات التدريس	طرق التقييم
1.0	المعرفة والفهم			
1.1	وصف أهمية السياحة والضيافة ودورها في التنمية	K1	-محاضرات، فيديوهات	اختبارات قصيرة، أنشطة تفاعلية
1.2	شرح مبادئ السياحة المستدامة وتأثيرها	K1	دراسات حالة، محتوى إلكتروني	-تقارير، اختبارات قصيرة - تقييم التفاعل في المنتديات

الرمز	نواتج التعلم	رمز ناتج التعلم المرتبط بالبرنامج	استراتيجيات التدريس	طرق التقييم
1.3	تحديد أنواع السياح وسلوكهم	K1	- عروض، نقاشات	تقييم عروض، اختبارات
2.0	المهارات			
2.1	تطبيق أسس الإتيكيت وخدمات كبار الشخصيات	S1	محاضرات، أنشطة جماعية	دراسة حالة، اختبار قصير
2.2	إعداد تقرير تطبيقي حول أحد مكونات صناعة السياحة	S2	-جلسات إرشاد، توجيه أكاديمي	-مشروع بحثي، تقييم المسودة
2.3	التواصل الفعّال مع السياح من خلفيات ثقافية متنوعة	S4	عروض تقديمية، تدريب افتراضي	-عروض مباشرة، تقييم تفصيلي
3.0	القيم والاستقلالية والمسؤولية			
3.1	إظهار المسؤولية الذاتية والعمل الجماعي	V1	أنشطة تعاونية، مشاريع	تقييم جماعي، ورقة بحث
3.2	الالتزام بالأخلاقيات المهنية في السياحة	V2	مناقشات، مراجعة سلوك	تقييم تحريري، تفاعل
3.3	تبني مبادئ الاستدامة والمسؤولية الاجتماعية	V3	مشاريع، نقاشات	مشروع جماعي، اختبار قصير

ج. موضوعات المقرر:

م	قائمة الموضوعات	الساعات التدريسية المتوقعة
1	الفصل الأول – مقدمة في السياحة والضيافة	2
2	الفصل الثاني – التأثيرات البيئية والاجتماعية للسياحة	2
3	الفصل الثالث – أنواع السياح والتواصل الفعّال	2
4	الفصل الرابع – ممارسات السياحة المستدامة	2
5	الفصل الخامس – نماذج الأعمال السياحية (دراسات حالة)	2
6	الفصل السادس – مناطق الجذب السياحي ومواردها في المملكة العربية السعودية	2
7	الفصل السابع –التراث السعودي في الضيافة	2
8	الفصل الثامن – الاختبار النصفي	2
9	الفصل التاسع – التسويق والترويج السياحي	2
10	الفصل العاشر – الإتيكيت وخدمات كبار الشخصيات	2
11	الفصل الحادي عشر – إدارة الفعاليات في السياحة	2
12	الفصل الثاني عشر- الاتجاهات المستقبلية والابتكارات في السياحة	2
13	الفصل الثالث عشر- الاستثمار والتنمية السياحية	2
14	الفصل الرابع عشر- الأمن والسلامة والأخلاقيات في السياحة	2
15	الاختبار النهائي	2
	المجموع	30

د. أنشطة تقييم الطلبة:

م	أنشطة التقييم	توقيت التقييم (بالأسبوع)	النسبة من إجمالي درجة التقييم
1	الاختبار النصفي	8	%20
2	مشروع بحثي-فرد	10	%20
3	اختبارات قصيرة وتقييم مستمر	كل الاسابيع	%20
4	الاختبار النهائي	15	%40

أنشطة التقييم (اختبار تحريري، شفهي، عرض تقديمي، مشروع جماعي، ورقة عمل وغيره)

هـ. مصادر التعلم والمرافق:

1. قائمة المراجع ومصادر التعلم:

المرجع الرئيس للمقرر	•مدخل إلى السياحة والسفر والطيران – أ. حميد الطائي – تاريخ النشر 2022/2/4 – الناشر: مؤسسة الوراق للنشر والتوزيع
المراجع المساندة	• مبادئ صناعة الضيافة – أ. يوسف محمد حافظ حماقي – تاريخ النشر 2019/1/1 - الناشر: دار الكتاب الحديث • Dowson, R. and Bassett, D. (2018) Event Planning and Management: Principles, Planning and Practice, 2nd Edition, Kogan. • إدارة وكالات السياحة و السفر - ا. سمير خليل شمطو – تاريخ النشر 2018 – منشور بموقع ريسيرش جيت www.researchgate.net/publication/330134100_adart_wkalat_alsyaht_walsfr • اخلاقيات صناعة السياحة والضيافة – د. مصطفى يوسف كافي – تاريخ النشر 2014 - الناشر: مكتبة المجتمع العربي للنشر والتوزيع. • إدارة مكاتب السياحة و كلاء السياحة و السفر – د.عصام حسن السعيدي – تاريخ النشر 2009 - الطبعة الاولى - الناشر: دار الراية للنشر و التوزيع. - خدمة العملاء المميزة في المملكة العربية السعودية. د. عبيد العبدلي. تاريخ النشر **2007** - • التسويق السياحي، للكاتب محمد عبد الفتاح الشامي، نشر مكتبة الأنجلو المصرية، 2005.
المصادر الإلكترونية	
أخرى	

2. المرافق والتجهيزات التعليمية والبحثية المطلوبة:

العناصر	متطلبات المقرر
المرافق النوعية (القاعات الدراسية، المختبرات، قاعات العرض، قاعات المحاكاة ... إلخ)	**القاعات الدراسية ومعامل الكمبيوتر**
التجهيزات التقنية (جهاز عرض البيانات، السبورة الذكية، البرمجيات)	**-أجهزة حاسوب، اتصال بالانترنت، نظام إدارة التعلم Blackboard- كاميرا وميكروفون للاجتماعات الافتراضية.**

العناصر	متطلبات المقرر
تجهيزات أخرى (تبعاً لطبيعة التخصص)	

و. تقويم جودة المقرر:

مجالات التقويم	المقيمون	طرق التقييم
فاعلية التدريس	الطلاب، مدرس المقرر	غير مباشرة: عن طريق تحليل نتائج استبانة تقييم الطلاب لعضو هيئة التدريس
فاعلية طرق تقييم الطلاب	مدرس المقرر	غير مباشرة: عن طريق تحليل استبانة تقييم الطلاب للمقرر
مصادر التعلم	مدرس المقرر والطلاب	غير مباشرة: عن طريق تحليل نتائج استبانة تقييم المصادر
مدى تحصيل مخرجات التعلم للمقرر	مدرس المقرر	مباشرة: عن طريق قياس نو اتج تعلم المقرر
أخرى		

المقيمون (الطلبة، أعضاء هيئة التدريس، قيادات البرنامج، المراجع النظير، أخرى (يتم تحديدها).

طرق التقييم (مباشر وغير مباشر).

ز. اعتماد التوصيف:

جهة الاعتماد	قسم السياحة والضيافة
رقم الجلسة	-
تاريخ الجلسة	

توصيف المقرر الدراسي

(بكالوريوس)

اسم المقرر: الكتابة والخطَابة.
رمز المقرر: ARS1601
البرنامج: متطلّب جامعي
القسم العلمي: اللغة والنحو والصرف
الكلية: اللغة العربية وآدابها
المؤسسة: جامعة أم القرى
نسخة التوصيف: 1
تاريخ آخر مراجعة: 1446هـ

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جدول المحتويات

أ. معلومات عامة عن المقرر الدراسي: 3
ب. نواتج التعلم للمقرر واستراتيجيات تدريسها وطرق تقييمها: 4
ج. موضوعات المقرر 5
د. أنشطة تقييم الطلبة 6
هـ. مصادر التعلم والمرافق: 6
و. تقويم جودة المقرر: 7
ز. اعتماد التوصيف: 8

أ. معلومات عامة عن المقرر الدراسي:

1. التعريف بالمقرر الدراسي

1. الساعات المعتمدة: (.....)					
2. نوع المقرر					
أ -	☒ متطلب جامعة	☐ متطلب كلية	☐ متطلب تخصص	☐ متطلب مسار	☐ أخرى
ب -	☐ إجباري	☒ اختياري			
3. السنة / المستوى الذي يقدم فيه المقرر: (.....)					
4. الوصف العام للمقرر					
يعد هذا المقرر أحد المقررات ذات الاتجاه التطبيقي في مجال اللغة الوظيفية حيث يهتم بإكساب الطلبة القدرة على كتابة الأجناس الكتابية كتابة صحيحة طبقًا لقواعد الإملاء والترقيم، كما يقف على الخطابة وعناصرها ومصادرها، والمناظرة وأصولها وقواعدها، كما يتم تطوير الجانب المهاري لدى الطالب من خلال التدريب التطبيقي على مهارات الإلقاء والخطابة والمناظرة .					
5- المتطلبات السابقة لهذا المقرر (إن وجدت)					
لا يوجد					
6- المتطلبات المتزامنة مع هذا المقرر (إن وجدت)					
لا يوجد					
7. الهدف الرئيس للمقرر					
يهدف هذا المقرر إلى تمكين الطلبة من مهارات الكتابة اللغوية السليمة، مستعملين قواعد الرسم وعلامات الترقيم، ومتمكنين من قواعد اللغة والنحو والصرف والمعجم، ومعبرين تعبيرًا صحيحًا، مع قوة الإقناع وغزارة الألفاظ، متجنبين الأخطاء اللغوية الشائعة، كما يمكنهم من التعرف على فنون الخطابة والمناظرة والإلقاء، وأن يحصلوا على الحد الأدنى من القدرة على مواجهة الجمهور بإلقاء أو مناظرة.					

2. نمط التعليم (اختر كل ما ينطبق)

م	نمط التعليم	عدد الساعات التدريسية	النسبة
1	تعليم التقليدي	-	-
2	التعليم الإلكتروني	-	-

م	نمط التعليم	عدد الساعات التدريسية	النسبة
3	التعليم المدمج • التعليم التقليدي • التعليم الإلكتروني	-	-
4	التعليم عن بعد	2	%100

3. الساعات التدريسية (على مستوى الفصل الدراسي)

م	النشاط	ساعات التعلم	النسبة
1	محاضرات	30	%100
2	معمل أو إستوديو		
3	ميداني		
4	دروس إضافية		
5	أخرى		
	الإجمالي	30	%100

ب. نواتج التعلم للمقرر واستراتيجيات تدريسها وطرق تقييمها:

الرمز	نواتج التعلم	رمز ناتج التعلم المرتبط بالبرنامج	استراتيجيات التدريس	طرق التقييم
1.0	م1			
1.1	أن يفرّق الطالب بين الجملة الاسمية والجملة الفعلية.	ع1	المحاضرة، المناقشة	التكليفات- الاختبار
1.2	أن يعدد الطالب أشكال الخطأ اللغوي.	ع1	المحاضرة، المناقشة	التكليفات- الاختبار
1.3	أن يبيّن الطالب الفرق بين الخطابة، والمناظرة، والحوار والمجادلة.	ع2	التعلم الذاتي- المحاضرة- المناقشة والحوار	التكليفات- التغذية الراجعة
2.0	المهارات			
2.1	أن يكتب الطالب الكلمات التي فيها همزة كتابةً صحيحة.	م1	حل المشكلات	الملاحظة- تقييم الأقران- التغذية الراجعة

الرمز	نواتج التعلم	رمز ناتج التعلم المرتبط بالبرنامج	استراتيجيات التدريس	طرق التقييم
2.2	أن يقدّم الطالب نماذج لأنواع من الكتابة الوظيفية مراعيًا شروطها وطرائق صياغتها.	م2	التعلم الذاتي- المحاضرة	التكليفات- التغذية الراجعة- تقييم الأقران
2.3	أن يقرأ الطالب النصوص قراءة جمالية معبّرة عن المعنى ومؤثرة في المتلقي.	م3	التعلم الذاتي- المحاضرة- المناقشة والحوار	الملاحظة- التغذية الراجعة
2.4	أن يصوّب الطالب ما يقع فيه من أخطاء نحوية، وإملائية، وأسلوبية.	م4	التعلم الذاتي- المناقشة والحوار	التكليفات- الاختبار- التغذية الراجعة
3.0	القيم والاستقلالية والمسؤولية			
3.1	أن يعمل الطالب ضمن مجموعة تعاونية على تصويب نصوص متنوعة.	ق1	التعلم التعاوني	ورش العمل- الملاحظة- تقييم الأقران
3.2	أن يلتزم الطالب قيم الأمانة العلمية وأخلاقيات البحث العلمي فيما يقدّم من أعمال وواجبات.	ق2	المناقشة والحوار	التكليفات- التغذية الراجعة

ج. موضوعات المقرر

م	قائمة الموضوعات	الساعات التدريسية المتوقعة
1	مقدمة في أهمية اللغة العربية، وأهمية السلامة اللغوية في كتابتنا، وقراءة في توصيف المنهج.	2
2	التمكن من قواعد الرسم الكتابي لكل من: همزة الوصل وهمزة القطع، الهمزة المتوسطة، والهمزة المتطرفة، ونماذج تطبيقية في نصوص لغوية.	2
3	التمكن من قواعد كتابة الألف اللينة، وكتابة الأعداد بالحروف، وعلامات الترقيم	2
4	إتقان تركيب الجملة العربية بمعرفة:(أنواع الجمل – سمات الجملة الصحيحة - القواعد الوظيفية) وأدوات الربط بين المفردات والجمل.	2
5	الإفادة من المعجم العربي بنوعيه (المعاني والألفاظ)- التعرف على المعاجم الالكترونية.	2
6	الكتابة الوظيفية والكتابة الأدبية، الفرق بينهما، ومجال كلّ منهما، مع نصوص تطبيقية.	2

7	أنواع الكتابة الوظيفية: (الرسائل الإدارية، السيرة الذاتية، التقارير، محاضر الاجتماعات) التعريف بها، والتطبيق العملي على هذه الأنواع	2
8	تقويم أعمال الطلاب في الكتابة الوظيفية- الاختبار النصفي.	2
9	أنواع القراءة وأهمية كل نوع منها، وتنمية مهارة الفهم وتلخيص المقروء.	2
10	الأخطاء اللغوية الشائعة: أنواعها، ومعالجتها.	2
11	فن الإلقاء: مفهومه – أهميته – عناصره – ميادينه. العوامل المؤثرة في الإلقاء: المظهر الشخصي، المظهر النفسي، الأداء الصوتي، الأداء الحركي، المؤثرات التقنية (البصرية والسمعية).	2
12	الإعداد لموضوع الإلقاء: اختيار الموضوع – جمع المعلومات – الارتجال والكتابة_ التغلب على معوقات الإلقاء، ومعالجة الأخطاء.	2
13	فن الخطابة: مفهومها، و أنواعها، وعناصر بنائها- آداب وسمات الخطيب الجيد. أساليب مواجهة الجمهور والتأثير فيه.	2
14	التعريف بفن المناظرات: مفهوم المناظرة، المناظرة وأشكالها في الأدب العربي وبعض نماذجها، الفرق بين المناظرة والحوار والمجادلة.	2
15	الاستماع لنصوص صوتية لخطب ومناظرات متنوعة، مع التدريب عليها.	2
	المجموع	

د. أنشطة تقييم الطلبة

م	أنشطة التقييم	توقيت التقييم (بالأسبوع)	النسبة من إجمالي درجة التقييم
1	الواجبات والأنشطة الصفية، مثل: الأبحاث – التقارير – التكليفات والواجبات المنزلية	مستمر	15
2	الاختبار النصفي.	الثامن	25
...	الاختبار النهائي.	نهاية الفصل الدراسي	60
	الإجمالي		100

أنشطة التقييم (اختبار تحريري، شفهي، عرض تقديمي، مشروع جماعي، ورقة عمل وغيره).

هـ. مصادر التعلم والمرافق:

1. قائمة المراجع ومصادر التعلم:

المرجع الرئيس للمقرر	- المساعد في المهارات اللغوية- أ.د. رياض الخوّام، مجمع اللغة العربية على الشبكة العالمية، 2014م

	- **الخطابة العربية وفن الإلقاء**- أشرف محمد موسى، مكتبة الخانجي للطباعة والنشر، القاهرة.
المراجع المساندة	- **فن التحرير العربي، ضوابطه وأنماطه**، محمد صالح الشنطي، دار الأندلس للطباعة والنشر، المملكة العربية السعودية، 2001م - **معجم الأخطاء الشائعة:** محمد العدناني، لبنان ناشرون، ط2، 1985م -**نحو إتقان الكتابة العلمية باللغة العربية**، مكي الحسني، مجمع اللغة العربية بدمشق، 2008م - **الخطابة وإعداد الخطيب**: عبد الجليل عبده شلبي، دار الشروق، ط1، 1981م. - **فن الإلقاء**، محمد عبد الرحيم عدس، دار الفكر، ط4، 2009م - **المناظرات اللغوية والأدبية في الحضارة العربية والإسلامية**، رحيم جبر الحسناوي، دار أسامة للنشر والتوزيع، عمان- الأردن، 1999م.
المصادر الإلكترونية	**-المكتبة الرقمية السعودية.**
أخرى	**لا يوجد**

2. المرافق والتجهيزات المطلوبة:

العناصر	متطلبات المقرر
المرافق النوعية (القاعات الدراسية، المختبرات، قاعات العرض، قاعات المحاكاة ... إلخ)	القاعات الدراسية ومعامل الحاسب الآلي.
التجهيزات التقنية (جهاز عرض البيانات، السبورة الذكية، البرمجيات)	أجهزة حاسوب، اتصال بالأنترنت، نظام إدارة التعلم Blackboard
تجهيزات أخرى (تبعاً لطبيعة التخصص)	-

و. تقويم جودة المقرر:

مجالات التقويم	المقيمون	طرق التقييم
فاعلية التدريس	الطلاب، مدرس المقرر	مباشرة غير مباشرة
فاعلية طرق تقييم الطلاب	مدرس المقرر	مباشرة غير مباشرة
مصادر التعلم	مدرس المقرر والطلاب	مباشرة غير مباشرة
مدى تحصيل مخرجات التعلم للمقرر	مدرس المقرر	مباشرة

مجالات التقويم	المقيمون	طرق التقييم
		غير مباشرة
أخرى		

المقيمون (الطلبة، أعضاء هيئة التدريس، قيادات البرنامج، المراجع النظير، أخرى (يتم تحديدها).

طرق التقييم (مباشر وغير مباشر).

ز. اعتماد التوصيف:

جهة الاعتماد	مجلس القسم
رقم الجلسة	الثامن عشرة
تاريخ الجلسة	1446/10/10هـ

توصيف المقرر الدراسي

(بكالوريوس)

اسم المقرر: الصحة المجتمعية
رمز المقرر: HP3009
البرنامج: اكتب هنا
القسم العلمي: التوعية والتعزيز الصحي
الكلية: الصحة العامة والمعلوماتية الصحية
المؤسسة: جامعة أم القرى
نسخة التوصيف: 1
تاريخ آخر مراجعة: 2025-04-07

جدول المحتويات

أ. معلومات عامة عن المقرر الدراسي: 3
ب. نواتج التعلم للمقرر واستراتيجيات تدريسها وطرق تقييمها: 4
ج. موضوعات المقرر 5
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هـ. مصادر التعلم والمرافق: 6
و. تقويم جودة المقرر: 7
ز. اعتماد التوصيف: 7

أ. معلومات عامة عن المقرر الدراسي:

1. التعريف بالمقرر الدراسي

1. الساعات المعتمدة: (ساعتان)

2. نوع المقرر

أ-	☒ متطلب جامعة	☐ متطلب كلية	☐ متطلب تخصص	☐ متطلب مسار	☐ أخرى
ب-	☐ إجباري	☒ اختياري			

3. السنة / المستوى الذي يقدم فيه المقرر: (المستوى الخامس (كليات G1) ؛ المستوى السادس (كليات G2))

4. الوصف العام للمقرر

هذا المقرر مصمم لتمكين الطلاب من فهم تعريفات ومبادئ الصحة المجتمعية، الصحة العامة، والصحة العالمية. كما يساعد الطلاب على التعرف على المحددات الاجتماعية والاقتصادية والبيئية والثقافية للصحة وشرح مبادئ وأسباب أبرز الأمراض والمشاكل والتحديات الصحية واستراتيجيات الوقاية منها. كما يساهم المقرر في بناء المهارات الأساسية لتقييم العوامل والاحتياجات والاستراتيجيات المؤثرة في الصحة المجتمعية عن طريق توظيف المعرفة العامة والأدوات المتاحة والبيانات والإحصاءات الصحية وإظهار استراتيجيات تواصل فعّالة لتعزيز التثقيف الصحي في المجتمعات المختلفة.

5- المتطلبات السابقة لهذا المقرر (إن وجدت)

لا يوجد

6- المتطلبات المتزامنة مع هذا المقرر (إن وجدت)

لا يوجد

7. الهدف الرئيس للمقرر

تعزيز التثقيف الصحي في المجتمع من خلال التعرف على مبادئ الصحة العامة، ومحددات الصحة (الاجتماعية والاقتصادية والبيئية والثقافية)، وأبرز الأمراض والمشاكل والتحديات الصحية واستراتيجيات الوقاية منها، والخدمات والمبادرات الصحية في المملكة العربية السعودية.

2. نمط التعليم (اختر كل ما ينطبق)

م	نمط التعليم	عدد الساعات التدريسية	النسبة
1	تعليم التقليدي	0	0
2	التعليم الإلكتروني	0	0
3	التعليم المدمج • التعليم التقليدي • التعليم الإلكتروني	0	0
4	التعليم عن بعد	30	100%

3. الساعات التدريسية (على مستوى الفصل الدراسي)

م	النشاط	ساعات التعلم	النسبة
1	محاضرات	30	100
2	معمل أو إستوديو	0	0
3	ميداني	0	0
4	دروس إضافية	0	0
5	أخرى	0	0
	الإجمالي	30	%100

ب. نواتج التعلم للمقرر واستراتيجيات تدريسها وطرق تقييمها:

الرمز	نواتج التعلم	رمز ناتج التعلم المرتبط بالبرنامج	استراتيجيات التدريس	طرق التقييم
1.0	المعرفة والفهم			
1.1	وصف طبيعة وفلسفة ونطاق صحة المجتمع وتحدياتها ومبادراتها وخدماتها داخل المجتمع السعودي	1.1	المحاضرات النظرية النقاشات الفصلية الواجبات والأنشطة	الاختبارات الواجبات والأنشطة
1.2	شرح المحددات الصحية ومبادئ أبرز الأمراض والمشاكل والتحديات الصحية الخاصة بالمجتمع السعودي والمجتمعات العالمية	1.1	المحاضرات النظرية النقاشات الفصلية الواجبات والأنشطة	الاختبارات الواجبات والأنشطة
2.0	المهارات			
2.1	تقييم العوامل والاحتياجات والاستراتيجيات المؤثرة في الصحة المجتمعية عن طريق توظيف المعرفة العامة والأدوات المتاحة والبيانات والإحصاءات الصحية	2.1	المحاضرات النظرية النقاشات الفصلية الواجبات والأنشطة	الاختبارات الواجبات والأنشطة
2.2	إظهار استراتيجيات تواصل فعّالة لتعزيز التثقيف الصحي في المجتمعات المتنوعة	2.3	المحاضرات النظرية النقاشات الفصلية الواجبات والأنشطة	الاختبارات الواجبات والأنشطة
3.0	القيم والاستقلالية والمسؤولية			
3.1	إبراز وتحقيق القيم الإسلامية وقيم المواطنة المسؤولة في مجالات الصحة المجتمعية	3.1	المحاضرات النظرية النقاشات الفصلية الواجبات والأنشطة	الواجبات والأنشطة

الرمز	نواتج التعلم	رمز ناتج التعلم المرتبط بالبرنامج	استراتيجيات التدريس	طرق التقييم
3.2	تدعيم مهارات التعلم الذاتي والمستمر لتطوير المعارف والمهارات والقدرات العلمية والمهنية الخاصة بالصحة	3.2	المحاضرات النظرية النقاشات الفصلية الواجبات والأنشطة	الواجبات والأنشطة
3.3	تحمل المسؤولية المجتمعية والمشاركة في الأعمال التطوعية والتنمية المجتمعية في المجالات والمبادرات الصحية	3.3	المحاضرات النظرية النقاشات الفصلية الواجبات والأنشطة	الواجبات والأنشطة

ج. موضوعات المقرر

م	قائمة الموضوعات	الساعات التدريسية المتوقعة
1	مفهوم الصحة المجتمعية	2
2	التحديات الصحية (محددات الصحة)	2
3	أنواع ومبادئ الأمراض	2
4	أبرز الأمراض المنتشرة في المجتمع السعودي	2
5	التحصينات والفحص الطبي الدوري الوقائي	2
6	أنماط الحياة والعادات الثقافية وتأثيرها على صحة المجتمع	2
7	أنواع التحديات الصحية في المجتمع السعودي	2
8	التحديات الصحية في موسم الحج والعمرة	2
9	الصحة النفسية المجتمعية	2
10	التعاطي والإدمان	2
11	الخدمات الصحية في المملكة العربية السعودية	4
12	المبادرات الصحية في المملكة العربية السعودية	2
13	الصحة المجتمعية ورؤية المملكة 2030	2
14	الإسعافات الأولية والصحة المجتمعية	2
	المجموع	30

د. أنشطة تقييم الطلبة

م	أنشطة التقييم	توقيت التقييم (بالأسبوع)	النسبة من إجمالي درجة التقييم
1	الواجبات والأنشطة	14-2	% 20
2	الاختبار النصفي	9-7	% 30
3	الاختبار النهائي	17-15	% 50
...	المجموع	%100	

أنشطة التقييم (اختبار تحريري، شفهي، عرض تقديمي، مشروع جماعي، ورقة عمل وغيره).

هـ. مصادر التعلم والمرافق:

1. قائمة المراجع ومصادر التعلم:

المرجع الرئيس للمقرر	صحة المجتمع (2017). أ. د. ماهر عبد الوهاب الملاح، د. فايزة محمد رجب. دار الوفاء لدنيا الطباعة والنشر.
المراجع المساندة	مدخل في الصحة العامة والرعاية الصحية (2015) أ. د. ماهر عبد الوهاب الملاح، د. فايزة رجب بهنسي. دار الوفاء لدنيا الطباعة والنشر. أسس ومبادىء التثقيف الصحي والاتصال الفعال (2014). نادية أنور الجشي. أطياف للنشر والتوزيع.
المصادر الإلكترونية	هيئة الصحة العامة (وقاية) https://www.pha.gov.sa/ar-sa/Pages/default.aspx وزارة الصحة بالمملكة العربية السعودية https://www.moh.gov.sa/Pages/Default.aspx منظمة الصحة العالمية https://www.who.int/ar/home
أخرى	

2. المرافق والتجهيزات المطلوبة:

العناصر	متطلبات المقرر
المرافق النوعية (القاعات الدراسية، المختبرات، قاعات العرض، قاعات المحاكاة ... إلخ)	القاعات الدراسية ومعامل الكمبيوتر
التجهيزات التقنية (جهاز عرض البيانات، السبورة الذكية، البرمجيات)	أجهزة حاسوب، اتصال بالانترنت، نظام إدارة التعلم Blackboard
تجهيزات أخرى (تبعاً لطبيعة التخصص)	فيديوهات تعليمية

و. تقويم جودة المقرر:

مجالات التقويم	المقيمون	طرق التقييم
فاعلية التدريس	الطلاب، مدرس المقرر	غير مباشرة: عن طريق تحليل نتائج استبانة تقييم الطلاب لعضو هيئة التدريس
فاعلية طرق تقييم الطلاب	مدرس المقرر	غير مباشرة: عن طريق تحليل استبانة تقييم الطلاب للمقرر
مصادر التعلم	مدرس المقرر والطلاب	غير مباشرة: عن طريق تحليل نتائج استبانة تقييم المصادر
مدى تحصيل مخرجات التعلم للمقرر	مدرس المقرر	مباشرة: عن طريق قياس نواتج تعلم المقرر
أخرى		

المقيمون (الطلبة، أعضاء هيئة التدريس، قيادات البرنامج، المراجع النظير، أخرى (يتم تحديدها).

طرق التقييم (مباشر وغير مباشر).

ز. اعتماد التوصيف:

جهة الاعتماد	
رقم الجلسة	
تاريخ الجلسة	

توصيف المقرر الدراسي

(بكالوريوس)

اسم المقرر: التنوع والانصاف والشمولية
رمز المقرر: SPED 1102
البرنامج: البكالوريوس
القسم العلمي: التربية الخاصة
الكلية: التربية
المؤسسة: جامعة أم القرى
نسخة التوصيف:
تاريخ آخر مراجعة: 8/ 4 / 2024

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جدول المحتويات

أ. معلومات عامة عن المقرر الدراسي: 3
ب. نواتج التعلم للمقرر واستراتيجيات تدريسها وطرق تقييمها: 4
ج. موضوعات المقرر 6
د. أنشطة تقييم الطلبة 6
هـ. مصادر التعلم والمرافق: 7
و. تقويم جودة المقرر: 8
ز. اعتماد التوصيف: 8

أ. معلومات عامة عن المقرر الدراسي:

1. التعريف بالمقرر الدراسي

1. الساعات المعتمدة: (ساعتين)					
2. نوع المقرر					
أ -	☐ متطلب جامعة	☒ متطلب كلية	☐ متطلب تخصص	☐ متطلب مسار	☐ أخرى
ب -	☐ إجباري	☒ اختياري			
3. السنة / المستوى الذي يقدم فيه المقرر: (.....)					
4. الوصف العام للمقرر					
يهدف هذا المقرر الى اكســـاب الطالب المهارات اللازمة والمبادئ للتعامل مع الأفراد المختلفين بما في ذلك التنوع العرقي والجغرافي، والديني، والاجتماعي، والاقتصادي مما يساهم في تحسين جودة الحياة.					
5- المتطلبات السابقة لهذا المقرر (إن وجدت)					
لايوجد					
6- المتطلبات المتزامنة مع هذا المقرر (إن وجدت)					
لايوجد					
7. الهدف الرئيس للمقرر					
يهدف هذا المقرر إلى إعداد جيل واعي متقبل للتنوع والاختلاف ويؤمن بالشـــمولية التي تســـعى لها رؤية المملكة ٢٠٣٠، كما يهدف إلى إكساب الطالب المهارات المطلوبة للتعامل مع الانفتاح الثقافي تبعاً لهذه الرؤية.					

2. نمط التعليم (اختر كل ما ينطبق)

م	نمط التعليم	عدد الساعات التدريسية	النسبة
1	تعليم التقليدي	0	0
2	التعليم الإلكتروني	0	0
3	التعليم المدمج • التعليم التقليدي • التعليم الإلكتروني	0	0

م	نمط التعليم	عدد الساعات التدريسية	النسبة
4	التعليم عن بعد	30	100%

3. الساعات التدريسية (على مستوى الفصل الدراسي)

م	النشاط	ساعات التعلم	النسبة
1	محاضرات	30	%100
2	معمل أو إستوديو		
3	ميداني		
4	دروس إضافية		
5	أخرى		
	الإجمالي	30	%100

ب. نواتج التعلم للمقرر واستراتيجيات تدريسها وطرق تقييمها:

الرمز	نواتج التعلم	رمز ناتج التعلم المرتبط بالبرنامج	استراتيجيات التدريس	طرق التقييم
1.0	المعرفة والفهم			
1.1	أن يعرف الطالب مفهوم التنوع والانصاف والشمولية.	K1	الحوار والمناقشة. التدريس المباشر من خلال التعلم بالمحاضرة والعروض التقديمية. العصف الذهني	التفاعل والمناقشة والمشاركة الصفية. الاختبار النهائي.
1.2	أن يتعرف على الخصائص الثقافية للمجتمع وتأثير الاختلاف الثقافي.	K1	الحوار والمناقشة. التدريس المباشر من خلال التعلم بالمحاضرة والعروض التقديمية. العصف الذهني	التفاعل والمناقشة والمشاركة الصفية. الاختبار النهائي.
1.3	أن يتعرف على أنواع التحيز الارادي/ اللاإرادي وطرق التدخل لإيقافها.	S1	الحوار والمناقشة. التدريس المباشر من خلال التعلم بالمحاضرة والعروض التقديمية. العصف الذهني.	التفاعل والمناقشة والمشاركة الصفية. الاختبار النهائي.

الرمز	نواتج التعلم	رمز ناتج التعلم المرتبط بالبرنامج	استراتيجيات التدريس	طرق التقييم
1.4	أن يتعرف على مفهوم الاختلاف والتقبل والمساواه والتعصب والتطرف في الإسلام.	V1	الحوار والمناقشة. التدريس المباشر من خلال التعلم بالمحاضرة والعروض التقديمية. العصف الذهني.	التفاعل والمناقشة والمشاركة الصفية. الاختبار النهائي.
1.5	أن يحدد الطالب أثر الاختلاف بين تجاربه وتجارب الآخرين في مكان العمل.	S1	الحوار والمناقشة. التدريس المباشر من خلال التعلم بالمحاضرة والعروض التقديمية. العصف الذهني.	التفاعل والمناقشة والمشاركة الصفية. الاختبار النهائي.
2.0	المهارات			
2.1	أن يمتلك القدرة على تطبيق آليات وتقنيات التعامل مع الإختلاف والتنوع.	S3	الحوار والمناقشة. التدريس المباشر من خلال التعلم بالمحاضرة والعروض التقديمية.	التفاعل والمناقشة والمشاركة الصفية. الاختبار النهائي.
2.2	أن يمتلك القدرة على كيفية مساعدة الأفراد المختلفين في الاندماج داخل المجتمع من خلال الأنشطة أو الممارسات المقدمة له في المقرر.	V3	الحوار والمناقشة. التدريس المباشر من خلال التعلم بالمحاضرة والعروض التقديمية. العمل الجماعي.	التفاعل والمناقشة والمشاركة الصفية. الاختبار النهائي.
3.0	القيم والاستقلالية والمسؤولية			
3.1	الإيمان بحق التعايش في مجتمع متنوع مختلف شامل.	V1	الحوار والمناقشة. التدريس المباشر من خلال التعلم بالمحاضرة والعروض التقديمية.	التفاعل والمناقشة والمشاركة الصفية.
3.2	الوعي الذاتي لتحديد وإدارة تأثير التحيزات والقيم الشخصية في التعامل مع الآخرين.	V2	الحوار والمناقشة. التدريس المباشر التعلم التعاوني والعمل الجماعي	التفاعل والمناقشة والمشاركة الصفية.
3.3	الالتزام بالأخلاقيات والقيم الشخصية في التعامل مع الآخرين.	V1	الحوار والمناقشة. التدريس المباشر التعلم التعاوني والعمل الجماعي	التفاعل والمناقشة والمشاركة الصفية.

ج. موضوعات المقرر

م	قائمة الموضوعات	الساعات التدريسية المتوقعة
1	التعرف على مفهوم التنوع والانصاف والشمولية وأهميته و دوره في تحسين حياة الأفراد.	2
2	مفهوم الاختلاف والتقبل والمساواة في الإسلام.	2
3	مفهوم التعصب والتطرف في الإسلام.	2
4	مفهوم الدمج بأنواعه, الفئات المستهدفة في الدمج، التشريعات والسياسات الداعمة للدمج, استراتيجياته , والتحديات التي تواجهه.	2
5	الدمج الشامل و دوره في تطور المجتمع (ذوي الإعاقة, الطبقات العرقية, والثقافية المختلفة).	2
6	التعرف على الخصائص الثقافية للمجتمع و دراسة تأثير الاختلاف الثقافي بين أفراد المجتمع.	2
7	الوعي الذاتي لتحديد وإدارة تأثير التحيزات والقيم الشخصية في التعامل مع الآخرين.	2
8	فهم آثار الفقر على التحصيل الأكاديمي والتفاعل الثقافي والإجتماعي.	2
9	الإعلام الجديد تأثيراته ومخاطره (فهم دور المنتجين في إيصال أفكارهم ومعتقداتهم الاجتماعية والثقافية والدينية).	4
10	تطبيق آليات وتقنيات التعامل مع الإختلاف لتلبية حاجات الأسر والأفراد من مجموعة سكانية متنوعة ثقافياً.	4
11	التنوع في التعليم (تطبيقات وتقنيات التعامل مع الإختلاف في بيئة التعلم).	2
12	تطبيقات و دراسة حالة عن التنوع والإنصاف والشمولية.	4
	المجموع	30

د. أنشطة تقييم الطلبة

م	أنشطة التقييم	توقيت التقييم (بالأسبوع)	النسبة من إجمالي درجة التقييم
1	التفاعل والمناقشة الصفية أثناء المحاضرة	مستمر	%20
2	ورقة في التنوع والانصاف والشمولية أو نقد برنامج تلفزيوني (فردي)	الأسبوع العاشر	%15

م	أنشطة التقييم	توقيت التقييم (بالأسبوع)	النسبة من إجمالي درجة التقييم
3	مشروع جماعي	الأسبوع الرابع عشر	%15
4	الاختبار النهائي	حسب الموعد المحدد من الكلية	%50

أنشطة التقييم (اختبار تحريري، شفهي، عرض تقديمي، مشروع جماعي، ورقة عمل وغيره).

هـ. مصادر التعلم والمرافق:

1. قائمة المراجع ومصادر التعلم:

المرجع الرئيس للمقرر	مفهوم الاختلاف تأليف مارك كوري، ترجمة د. باسل المسالمة، دار تكوين للنشر (2022). -إدارة التنوع والاختلاف، تأليف د. صدفة محمد محمود، مركز نماء للبحوث والدراسات دار النشر (2015). -الثقافات تبنى لتبقى، المجتمعات التعليمية المهنية الشمولية اثناء العمل، تأليف مايكل فلان و ريتشارد دوفور, ترجمة الطبعة الأولى. - التعليم متعدد الثقافات د. غازي الرشيدي وآخرون, الطبعة الأولى (2022), دار الظاهرية للنشر والتوزيع. How to Be an Inclusive Leader Your Role in Creating Cultures of Belonging Where Everyone Can Thrive By Jennifer Brown (2019).
المراجع المساندة	Sobel, D., & Alston, S. (2021). The inclusive classroom a new approach to differentiation. Bloomsbury Education.
المصادر الإلكترونية	-العدالة والنوع الاجتماعي, تأليف إليانور غوردن, مركز جنيف لحوكمة قطاع الأمن Inclusive Schools Week™ 2022: The Benefits of Inclusive Classrooms /https://www.kit.org/inclusive-schools-week-2022
أخرى	لايوجد

2. المرافق والتجهيزات المطلوبة:

العناصر	متطلبات المقرر
المرافق النوعية (القاعات الدراسية، المختبرات، قاعات العرض، قاعات المحاكاة ... إلخ)	**القاعات الدراسية ومعامل الكمبيوتر**
التجهيزات التقنية (جهاز عرض البيانات، السبورة الذكية، البرمجيات)	**أجهزة حاسوب، اتصال بالانترنت، نظام إدارة التعلم Blackboard**
تجهيزات أخرى (تبعاً لطبيعة التخصص)	**لايوجد**

و. تقويم جودة المقرر:

مجالات التقويم	المقيمون	طرق التقييم
فاعلية التدريس	الطلاب، مدرس المقرر	غير مباشرة: عن طريق تحليل نتائج استبانة تقييم الطلاب لعضو هيئة التدريس
فاعلية طرق تقييم الطلاب	مدرس المقرر	غير مباشرة: عن طريق تحليل استبانة تقييم الطلاب للمقرر
مصادر التعلم	مدرس المقرر والطلاب	غير مباشرة: عن طريق تحليل نتائج استبانة تقييم المصادر
مدى تحصيل مخرجات التعلم للمقرر	مدرس المقرر	مباشرة: عن طريق قياس نواتج تعلم المقرر
أخرى		

المقيمون (الطلبة، أعضاء هيئة التدريس، قيادات البرنامج، المراجع النظير، أخرى (يتم تحديدها).

طرق التقييم (مباشر وغير مباشر).

ز. اعتماد التوصيف:

جهة الاعتماد	مجلس قسم التربية الخاصة
رقم الجلسة	
تاريخ الجلسة	

توصيف المقرر الدراسي

(بكالوريوس)

اسم المقرر: التقنية الرقمية
رمز المقرر: CS2001
البرنامج: متطلب جامعة اختياري
القسم العلمي: علوم الحاسب والذكاء الاصطناعي
الكلية: الحاسبات
المؤسسة: جامعة أم القرى
نسخة التوصيف: 1
تاريخ آخر مراجعة: اكتب هنا

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جدول المحتويات

أ. معلومات عامة عن المقرر الدراسي: 3
ب. نواتج التعلم للمقرر واستراتيجيات تدريسها وطرق تقييمها: 4
ج. موضوعات المقرر 5
د. أنشطة تقييم الطلبة 6
هـ. مصادر التعلم والمرافق: 6
و. تقويم جودة المقرر: 7
ز. اعتماد التوصيف: 7

أ. معلومات عامة عن المقرر الدراسي:

1. التعريف بالمقرر الدراسي

1. الساعات المعتمدة: (2)

2. نوع المقرر

أ -	☒ متطلب جامعة	☐ متطلب كلية	☐ متطلب تخصص	☐ متطلب مسار	☐ أخرى
ب -	☐ إجباري	☒ اختياري			

3. السنة / المستوى الذي يقدم فيه المقرر: (1/1)

4. الوصف العام للمقرر

التقدم التقني له تأثير عميق في جميع مناحي الحياة. يحتاج الجيل القادم من القادة إلى فهم عميق لأحدث الاتجاهات التقنية، إلى جانب القدرة على تطبيقها بفاعلية في مختلف القطاعات الصناعية، مع إدراك شامل لفوائدها ومخاطرها المحتملة. يقدم هذا المقرر التقنيات الرقمية الناشئة للطلاب من مجموعة متنوعة من التخصصات المختلفة. وتشمل الموضوعات المقدمة في هذا المقرر: الذكاء الاصطناعي وتعلم الآلة، التصنيع الإضافي، الاتصالات السلكية واللاسلكية باستخدام شبكات الجيل الخامس، الواقع المعزز والواقع الافتراضي، وغيرها من التقنيات الناشئة الرئيسية في المجتمع.

5- المتطلبات السابقة لهذا المقرر (إن وجدت)

لا يوجد

6- المتطلبات المتزامنة مع هذا المقرر (إن وجدت)

لا يوجد

7. الهدف الرئيس للمقرر

الهدف من المقرر هو تزويد الطلاب بفهم نقدي شامل للتقنيات الرقمية الناشئة وتأثيرها على الأفراد والأعمال والمجتمع بالإضافة إلى تحليل فوائدها ومخاطرها.

2. نمط التعليم (اختر كل ما ينطبق)

م	نمط التعليم	عدد الساعات التدريسية	النسبة
1	تعليم التقليدي	0	0

م	نمط التعليم	عدد الساعات التدريسية	النسبة
2	التعليم الإلكتروني	0	0
3	التعليم المدمج • التعليم التقليدي • التعليم الإلكتروني	0	0
4	التعليم عن بعد	30	100%

3. الساعات التدريسية (على مستوى الفصل الدراسي)

م	النشاط	ساعات التعلم	النسبة
1	محاضرات	30	100%
2	معمل أو إستوديو		
3	ميداني		
4	دروس إضافية		
5	أخرى		
	الإجمالي		

ب. نواتج التعلم للمقرر واستراتيجيات تدريسها وطرق تقييمها:

الرمز	نواتج التعلم	رمز ناتج التعلم المرتبط بالبرنامج	استراتيجيات التدريس	طرق التقييم
1.0	المعرفة والفهم			
1.1	يتعرف على أحدث التقنيات الرقمية والاتجاهات والتطبيقات والتأثيرات المصاحبة لها.	K1	محاضرات، تعلم ذاتي، التدريبات والأنشطة.	مناقشات عبر منصة التعلم الإلكتروني، الواجبات والاختبار.
1.2	يتعرف على طرق تقييم أصحاب المصلحة المختلفين للتأثير الاقتصادي والبيئي والاجتماعي للتقنيات الرقمية.	K1	محاضرات، تعلم ذاتي، التدريبات والأنشطة.	مناقشات عبر منصة التعلم الإلكتروني، الواجبات والاختبار.
2.0	المهارات			
2.1	يُقيّم فرص التحولات المدعومة بالتقنية على المستويات الفردية والتجارية والمجتمعية.	S1	تعلم ذاتي، التدريبات والأنشطة.	مناقشات عبر منصة التعلم الإلكتروني، الواجبات والاختبار.

الرمز	نواتج التعلم	رمز ناتج التعلم المرتبط بالبرنامج	استراتيجيات التدريس	طرق التقييم
2.2	يدمج بين التقنيات المختلفة لتخطيط التحولات المدعومة بالتقنية.	S2	تعلم ذاتي، التدريبات والأنشطة.	مناقشات عبر منصة التعلم الإلكتروني، الواجبات والاختبار.
2.3	يستطيع التفكير بشكل ناقد عند استخدام التقنيات الرقمية الناشئة.	S1	مناقشات عبر منصة التعلم الإلكتروني، التدريبات والأنشطة.	مناقشات عبر منصة التعلم الإلكتروني، الواجبات والاختبار.
3.0	القيم والاستقلالية والمسؤولية			
3.1	يتمكن من فهم وتطبيق الجوانب الأخلاقية عند استخدام التقنيات الرقمية.	V1	محاضرات، مناقشات عبر منصة التعلم الإلكتروني، التدريبات والأنشطة.	مناقشات عبر منصة التعلم الإلكتروني، الواجبات والاختبار.

ج. موضوعات المقرر

م	قائمة الموضوعات	الساعات التدريسية المتوقعة
1	الوحدة الأولى: العقليات الرقمية: التقنية الرقمية: المشهد التحولي	2
2	عقليات وممارسات الابتكار التقني: التفكير التصميمي	2
3	عقلية البيانات: التعلم والتواصل مع البيانات	2
4	حلقة نقاش عن العقليات الرقمية	2
5	الوحدة الثانية: التقنيات الرقمية: الذكاء الاصطناعي وتعلم الآلة	2
6	إنترنت الأشياء وتقنيات الجيل الخامس	2
7	الأمن السيبراني	2
8	الواقع الافتراضي والواقع المعزز	2
9	التصنيع الإضافي	2
10	الكتل العشوائية وتقنية السجلات الرقمية الموزعة البلوكشين	2

11	الروبوتات والطائرات بدون طياروالمركبات ذاتية القيادة	2
12	حلقة نقاش عن دمج التقنيات الرقمية	2
13	الوحدة الثالثة: تطبيقات التقنيات الرقمية أخلاقيات التقنية الرقمية	2
14	التطبيقات وتأثيرها على الأفراد والأعمال والمجتمع والحكومة والسياسة	2
15	حلقة نقاش عن تطبيقات التقنيات الرقمية الحديثة في الحج والعمرة	2
	المجموع	30

د. أنشطة تقييم الطلبة

م	أنشطة التقييم	توقيت التقييم (بالأسبوع)	النسبة من إجمالي درجة التقييم
1	واجبات (عبر منصة التعلم الإلكتروني)	15-2	40%
2	مناقشات (عبر منصة التعلم الإلكتروني)	15-12-4	10%
3	اختبار نهائي حضوري	16	50%

أنشطة التقييم (اختبار تحريري، شفهي، عرض تقديمي، مشروع جماعي، ورقة عمل وغيره).

هـ. مصادر التعلم والمرافق:

1. قائمة المراجع ومصادر التعلم:

المرجع الرئيس للمقرر	Digital 101, Developed by Stanford Center for Professional Development, For Ministry of Communications and Information Technology, (2022), Stanford University
المراجع المساندة	كتاب أساسيات الحوسبة – خالد بكرو (2021) On the Foundation of Computing, Giuseppe. P (2020), Oxford University Press
المصادر الإلكترونية	
أخرى	

2. المرافق والتجهيزات المطلوبة:

العناصر	متطلبات المقرر
المرافق النوعية (القاعات الدراسية، المختبرات، قاعات العرض، قاعات المحاكاة ... إلخ)	القاعات الدراسية ومعامل الكمبيوتر

العناصر	متطلبات المقرر
التجهيزات التقنية (جهاز عرض البيانات، السبورة الذكية، البرمجيات)	أجهزة حاسوب، اتصال بالانترنت، نظام إدارة التعلم Blackboard
تجهيزات أخرى (تبعاً لطبيعة التخصص)	-

و. تقويم جودة المقرر:

مجالات التقويم	المقيمون	طرق التقييم
فاعلية التدريس	الطلاب، مدرس المقرر	غير مباشرة: عن طريق تحليل نتائج استبانة تقييم الطلاب لعضو هيئة التدريس
فاعلية طرق تقييم الطلاب	مدرس المقرر	غير مباشرة: عن طريق تحليل استبانة تقييم الطلاب للمقرر
مصادر التعلم	مدرس المقرر والطلاب	غير مباشرة: عن طريق تحليل نتائج استبانة تقييم المصادر
مدى تحصيل مخرجات التعلم للمقرر	مدرس المقرر	مباشرة: عن طريق قياس نو اتج تعلم المقرر
أخرى		

المقيمون (الطلبة، أعضاء هيئة التدريس، قيادات البرنامج، المراجع النظير، أخرى (يتم تحديدها).

طرق التقييم (مباشر وغير مباشر).

ز. اعتماد التوصيف:

جهة الاعتماد	
رقم الجلسة	
تاريخ الجلسة	

توصيف المقرر الدراسي

(بكالوريوس)

اسم المقرر: **التراث والتنوع الثقافي**
رمز المقرر: **HIS4315**
البرنامج:
القسم العلمي: **التاريخ**
الكلية: **العلوم الاجتماعية**
المؤسسة: **جامعة أم القرى**
نسخة التوصيف: **١**
تاريخ آخر مراجعة: **١٤٤٦/٩/٢٢هـ الموافق ٢٠٢٥/٣/٢٢م**

HA

جدول المحتويات

أ. معلومات عامة عن المقرر الدراسي: ٣
ب. نواتج التعلم للمقرر واستراتيجيات تدريسها وطرق تقييمها: ٤
ج. موضوعات المقرر ٥
د. أنشطة تقييم الطلبة ٦
هـ. مصادر التعلم والمرافق: ٧
و. تقويم جودة المقرر: ٨
ز. اعتماد التوصيف: ٨

أ. معلومات عامة عن المقرر الدراسي:

١. التعريف بالمقرر الدراسي

١. الساعات المعتمدة: (٢)

٢. نوع المقرر

أ -	☒ متطلب جامعة	☐ متطلب كلية	☐ متطلب تخصص	☐ متطلب مسار	☐ أخرى
ب -	☐ إجباري	☒ اختياري			

٣. السنة / المستوى الذي يقدم فيه المقرر: (٢)

٤. الوصف العام للمقرر

تناول المقرر وصف عام للتراث والتنوع الثقافي، وتعريف الطلاب بالتراث الوطني بمكوناته المادية وغير المادية، مع تسليط الضوء على التنوع الثقافي في المملكة العربية السعودية. ويشمل المقرر الفنون الشعبية، والحرف التقليدية، والأدب الشفهي، والعادات الاجتماعية، مع إبراز أثر البيئة الجغرافية في تشكيل هذا التنوع. كما يركز على أهمية صون التراث وحمايته من التحديات المعاصرة، ودوره في تعزيز الهوية الوطنية والانتماء الثقافي.

٥- المتطلبات السابقة لهذا المقرر (إن وجدت)

لا يوجد

٦- المتطلبات المتزامنة مع هذا المقرر (إن وجدت)

لا يوجد

٧. الهدف الرئيس للمقرر

يهدف المقرر لتعزيز فهم الطلاب لأهمية التراث السعودي ودوره في بناء الهوية الوطنية. كما يهدف إلى تعريف الطلاب بمكونات التراث المادي وغير المادي، مع إبراز التنوع الثقافي بين مناطق المملكة العربية السعودية. ويسعى إلى ترسيخ قيم الانتماء الوطني من خلال تسليط الضوء على الفنون الشعبية، والحرف اليدوية، والعادات الاجتماعية، والمواقع التاريخية. ويهدف المقرر أيضًا إلى توعية الطلاب بأهمية حماية التراث وصونه في مواجهة التحديات المعاصرة، مع تسليط الضوء على الجهود الوطنية للحفاظ عليه.

٢. نمط التعليم (اختر كل ما ينطبق)

م	نمط التعليم	عدد الساعات التدريسية	النسبة
١	تعليم التقليدي		
٢	التعليم الإلكتروني		
٣	التعليم المدمج • التعليم التقليدي • التعليم الإلكتروني		

م	نمط التعليم	عدد الساعات التدريسية	النسبة
٤	التعليم عن بعد	28	%١٠٠

٣. الساعات التدريسية (على مستوى الفصل الدراسي)

م	النشاط	ساعات التعلم	النسبة
١	محاضرات	28	%١٠٠
٢	معمل أو إستوديو		
٣	ميداني		
٤	دروس إضافية		
٥	أخرى		
	الإجمالي	28	%١٠٠

ب. نواتج التعلم للمقرر واستراتيجيات تدريسها وطرق تقييمها:

الرمز	نواتج التعلم	رمز ناتج التعلم المرتبط بالبرنامج	استراتيجيات التدريس	طرق التقييم
1.0	المعرفة والفهم			
1.1	يُعَرِّف المفاهيم والمبادئ الخاصة بالتراث والتنوع الثقافي.	ع١	– الإلقاء والمحاضرة – المناقشة والحوار – الخرائط المعرفية	– الاختبارات – استمارة الملاحظة
1.2	يشرح الخصائص والأساليب الفنية المميزة للتراث الوطني	ع٤	– الإلقاء والمحاضرة – الخرائط المعرفية – المناقشة والحوار	– الاختبارات – ملفات الإنجاز – استمارة الملاحظة
...				
2.0	المهارات			
2.1	يكتب تقارير وأبحاث عن التراث الوطني وفق المنهج العلمي	م١	– التعلم الذاتي. – التعلم التعاوني – حل المشكلات – المشاريع – التكليفات البحثية.	– الاختبارات – أوراق العمل – التكليفات (الواجبات – العروض التقديمية – أوراق العمل) – التكليف الجماعي.
2.2	يَستنبط الوقائع والأحداث من خلال عرض التعدد الثقافي الوطني والحقب التاريخية	م٢	– الإلقاء والمحاضرة – التفكير الناقد – الاستنباط – التعلم الذاتي	– الاختبارات – أوراق العمل – التكليفات (الواجبات – العروض التقديمية – أوراق العمل)

الرمز	نواتج التعلم	رمز ناتج التعلم المرتبط بالبرنامج	استراتيجيات التدريس	طرق التقييم
2.3	يَستنبط الأدلة والبراهين على أهمية الحفاظ على التراث من خلال الوثائق والمصادر والآثار الثابتة والمنقولة.	م٣	– المحاضرات – الخرائط المعرفية – التفكير الناقد – الاستنباط – التعلم الذاتي	– الاختبارات – أوراق العمل – التكليفات (الواجبات – العروض التقديمية – أوراق العمل)
2.4	يستخدم التقنيات والطرق الحديثة في استكشاف التراث الاجتماعي والمعماري والثقافي المحلي.	م٥	– المحاضرات – التفكير الناقد – الاستنباط – التعلم الذاتي	– الاختبارات – أوراق العمل – التكليفات (الواجبات – العروض التقديمية – أوراق العمل)
3.0	القيم والاستقلالية والمسؤولية			
3.1	يتحمل مسؤولية التعلم الذاتي والتطوير الشخصي في مختلف مجالات التراث الوطني	ق٣	– التعلم الذاتي – التعلم التعاوني – المشاريع – استخدام مصادر التعلم	– الواجبات – البحوث والتقارير – تقييم المهام الأدائية (العروض التقديمية، التكليفات)
...				
...				

ج. موضوعات المقرر

م	قائمة الموضوعات	الساعات التدريسية المتوقعة
١	الأسبوع الأول: مدخل إلى التراث والتنوع الثقافي. مفهوم التراث: أنواعه، وأهميته في تعزيز الهوية الوطنية. مفهوم التنوع الثقافي، وتأثيره في التعايش الوطني.	٢
٢	الأسبوع الثاني: التراث المادي (المواقع الأثرية: مثل مدائن صالح، العلا، قرية رجال ألمع، وحي الطريف في الدرعية. المباني التاريخية: القلاع، القصور، والأبنية الطينية في نجد وعسير والحجاز وغيرها).	٢
٣	الأسبوع الثالث: التراث غير المادي (الفنون الشعبية: العرضة السعودية، الدحة، الخطوة، وغيرها). الأدب الشفهي: (القصص والحكايات والأمثال الشعبية الموروثة وغيرها).	٢

٤	الأسبوع الرابع: التراث العمراني (أنماط العمارة التقليدية: الطراز النجدي، الحجازي، الجنوبي، والشرقي) المواقع التراثية المدرجة ضمن اليونسكو: مثل حي الطريف ومدائن صالح وغيرهما.	٢
٥	الأسبوع الخامس: الحرف والصناعات التقليدية (الحرف اليدوية: السدو، صناعة الفخار، صناعة الخوص، حياكة الملابس التراثية وغيرها).	٢
٦	الأسبوع السادس: التراث الفني والبصري في السعودية (الفنون التشكيلية: الرسم التقليدي والزخرفة المعمارية، فن القط العسيري: رمزيته الثقافية ودخوله ضمن التراث العالمي.)	٢
٧	الأسبوع السابع: التراث الغذائي في السعودية (المأكولات الشعبية في المملكة العربية السعودية).	٢
٨	الأسبوع الثامن: العادات الغذائية في المناسبات: (الأطعمة المرتبطة بالمناسبات الاجتماعية والأعياد) + الاختبار النصفي.	٢
٩	الأسبوع التاسع: الملابس والأزياء الشعبية في المملكة العربية السعودية.	٢
١٠	الأسبوع العاشر: المواقع المقدسة و أثرها على التنوع الثقافي. أثر الحج والعمرة: في تعزيز التبادل الثقافي بين الشعوب المختلفة.	٢
١١	الأسبوع الحادي عشر: التنوع الثقافي في المملكة العربية السعودية العادات والتقاليد في المملكة العربية السعودية والتأثير الجغرافي عليها.	٢
١٢	الأسبوع الثاني عشر: التنوع اللغوي واللهجات المحلية اللهجات الإقليمية: التنوع اللغوي في المملكة العربية السعودية. أثر اللغة العربية واللهجات المحلية في التراث السعودي.	٢
١٣	الأسبوع الثالث عشر: الحفاظ على التراث السعودي (جهود وزارة الثقافة: دور الهيئة في حماية وصيانة التراث الثقافي المادي وغير المادي). التشريعات والقوانين في مجال حماية التراث والتنوع الثقافي.	٢
١٤	الأسبوع الرابع عشر: دور رؤية المملكة ٢٠٣٠ في تعزيز التراث والتنوع الثقافي.	٢
	المجموع	٢٨

د. أنشطة تقييم الطلبة

م	أنشطة التقييم	توقيت التقييم (بالأسبوع)	النسبة من إجمالي درجة التقييم
١	– المناقشات أثناء المحاضرة، البحوث والتقارير، والتكاليف (الواجبات – العروض التقديمية – أوراق العمل)	مستمر	%٢٠

م	أنشطة التقييم	توقيت التقييم (بالأسبوع)	النسبة من إجمالي درجة التقييم
٢	الاختبار النصفي	الثامن	%٢٠
٣	الاختبار النهائي	السادس عشر	%٦٠

أنشطة التقييم (اختبار تحريري، شفهي، عرض تقديمي، مشروع جماعي، ورقة عمل وغيره).

هـ. مصادر التعلم والمرافق:

١. قائمة المراجع ومصادر التعلم:

المرجع الرئيس للمقرر	عباس محمد زيد عيسى: موسوعة التراث الشعبي في المملكة العربية السعودية، ١٩٩٨م.
المراجع المساندة	عبد الله المصري: مقدمة عن آثار المملكة العربية السعودية، الرياض، إدارة الآثار والمتاحف، وزارة المعارف. عبد الناصر بن عبد الرحمن الزهراني؛ كباشي حسين قسيمة. "مقدمة في إدارة التراث". ١٤٢٩هـ. مطابع الهلال. أحمد مساعد الوشمي: الحرف والصناعات التقليدية في المملكة العربية السعودية، دار الصميعي، الرياض، ١٤٣٠هـ/٢٠٠٩م. عبد الناصر الزهراني، التراث الثقافي، مركز الملك فيصل للبحوث الإسلامية، ٢٠١٨م.
المصادر الإلكترونية	https://heritage.moc.gov.sa/ (إصدارات هيئة التراث) https://mt.gov.sa/ برامج وزارة السياحة
أخرى	

٢. المرافق والتجهيزات المطلوبة:

العناصر	متطلبات المقرر
المرافق النوعية (القاعات الدراسية، المختبرات، قاعات العرض، قاعات المحاكاة ... إلخ)	القاعات الدراسية ومعامل الكمبيوتر
التجهيزات التقنية (جهاز عرض البيانات، السبورة الذكية، البرمجيات)	أجهزة حاسوب، اتصال بالإنترنت، نظام إدارة التعلم Blackboard
تجهيزات أخرى (تبعاً لطبيعة التخصص)	-

و. تقويم جودة المقرر:

مجالات التقويم	المقيمون	طرق التقييم
فاعلية التدريس	الطلاب، مدرس المقرر	غير مباشرة: عن طريق تحليل نتائج استبانة تقييم الطلاب لعضو هيئة التدريس
فاعلية طرق تقييم الطلاب	مدرس المقرر	غير مباشرة: عن طريق تحليل استبانة تقييم الطلاب للمقرر
مصادر التعلم	مدرس المقرر والطلاب	غير مباشرة: عن طريق تحليل نتائج استبانة تقييم المصادر
مدى تحصيل مخرجات التعلم للمقرر	مدرس المقرر	مباشرة: عن طريق قياس نواتج تعلم المقرر
أخرى		

المقيمون (الطلبة، أعضاء هيئة التدريس، قيادات البرنامج، المراجع النظير، أخرى (يتم تحديدها).

طرق التقييم (مباشر وغير مباشر).

ز. اعتماد التوصيف:

جهة الاعتماد	مجلس قسم التاريخ
رقم الجلسة	
تاريخ الجلسة	

توصيف المقرر الدراسي

(بكالوريوس)

اسم المقرر: التجارة الالكترونية
رمز المقرر: ECO 4312
البرنامج: الاقتصاد
القسم العلمي: الاقتصاد
الكلية: الإدارة و الاقتصاد
المؤسسة: جامعة أم القرى
نسخة التوصيف: الاولى
تاريخ آخر مراجعة: 2025/01/4

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جدول المحتويات

أ. معلومات عامة عن المقرر الدراسي: 3
ب. نواتج التعلم للمقرر واستراتيجيات تدريسها وطرق تقييمها: 4
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د. أنشطة تقييم الطلبة ..... Error! Bookmark not defined.
هـ. مصادر التعلم والمرافق: 7
و. تقويم جودة المقرر: 8
ز. اعتماد التوصيف: 8

أ. معلومات عامة عن المقرر الدراسي:

1. التعريف بالمقرر الدراسي

1. الساعات المعتمدة: (2)

2. نوع المقرر

أ -	☒ متطلب جامعة	☐ متطلب كلية	☐ متطلب تخصص	☐ متطلب مسار	☐ أخرى
ب -	☐ إجباري	☒ اختياري			

3. السنة / المستوى الذي يقدم فيه المقرر: (السنة الثالثة المستوى الخامس)

4. الوصف العام للمقرر

يستعرض هذا المقرر التجارة الإلكترونية من منظور اقتصادي، حيث يركز على تحليل تأثيرها على الأسواق المحلية والعالمية، ودورها في تحفيز النمو الاقتصادي. يناقش المقرر نماذج التجارة الإلكترونية المختلفة، تأثيرها على سلوك المستهلك، وهياكل الأسواق، مع التركيز على الكفاءة الاقتصادية، تخفيض التكاليف، والابتكار في نماذج الأعمال الرقمية. كما يتناول القضايا القانونية والتنظيمية المرتبطة بالتجارة الإلكترونية وتأثيرها على المنافسة والضرائب.

5- المتطلبات السابقة لهذا المقرر (إن وجدت)

6- المتطلبات المتزامنة مع هذا المقرر (إن وجدت)

7. الهدف الرئيس للمقرر

يهدف هذا المقرر الى تمكين الطالب من المفاهيم الأساسية للتجارة الإلكترونية، وتطبيقاتها الإدارية، التقنية، القانونية، والأمنية، و استكشاف نماذج الأعمال الرقمية.وكيفية استثمارها في بيئة الأعمال.

2. نمط التعليم (اختر كل ما ينطبق)

م	نمط التعليم	عدد الساعات التدريسية	النسبة
1	تعليم التقليدي	0	0
2	التعليم الإلكتروني	0	0

م	نمط التعليم	عدد الساعات التدريسية	النسبة
3	التعليم المدمج • التعليم التقليدي • التعليم الإلكتروني	0	0
4	التعليم عن بعد	30 ساعة	%100

3. الساعات التدريسية (على مستوى الفصل الدراسي)

م	النشاط	ساعات التعلم	النسبة
1	محاضرات	30 ساعة	%100
2	معمل أو إستوديو		
3	ميداني		
4	دروس إضافية		
5	أخرى		
	الإجمالي	30 ساعة	%100

ب. نواتج التعلم للمقرر واستراتيجيات تدريسها وطرق تقييمها:

الرمز	نواتج التعلم	رمز ناتج التعلم المرتبط بالبرنامج	استراتيجيات التدريس	طرق التقييم
1.0	المعرفة والفهم			
1.1	يتعرّف على المفاهيم الأساسية للتجارة الإلكترونية وتأثيرها الاقتصادي.	ع 1 – K1	1.المحاضرة الصفية و الحوار والمناقشة	1.الاختبارات الفصلية والنهائية.
1.2	يوضّح العلاقة بين التجارة الإلكترونية والكفاءة الاقتصادية.	م1- S1	2.التعلم التفاعلي و استخدام التقنية	2. .الأسئلة الشفوية و المناقشات الصفية
1.3	يميّز بين نماذج التجارة الإلكترونية المختلفة.	ع1- K1	3.التعليم الذاتي الموجه	3. التكاليف/ الواجبات المنزلية
2.0	المهارات			
2.1	يحلّل أثر التجارة الإلكترونية على المنافسة في السوق.	م1- S1		1.الاختبارات الفصلية والنهائية.

الرمز	نواتج التعلم	رمز ناتج التعلم المرتبط بالبرنامج	استراتيجيات التدريس	طرق التقييم
2.2	يستخدم البيانات الضخمة في فهم سلوك المستهلك و تقييم أثر التجارة الإلكترونية على أسعار المنتجات.	م 4 -S4	1.التطبيقات العملية و التعامل مع مصادر البيانات 2.تقديم أمثلة للمشكلات الواقعية وكيفية حلها	2.التكاليف/ الواجبات المنزلية 3.الأسئلة الشفوية و المناقشات الصفية
2.3	يقيّم نماذج الأعمال المختلفة في التجارة الإلكترونية و يقارن بينها	م 1 -S1		
3.0	القيم والاستقلالية والمسؤولية			
3.1	يظهر الثقة في النفس و التعلّم الذاتي المستمر	ق 2 -V2	1.توزيع الطلاب إلى مجموعات صغيرة لأداء تكليف جماعي. 2.عرض تقديمي و مناقشة المشروع/البحث	1.تقييم المناقشات الجماعية بشكل دوري. 2.لتقييم الذاتي. 3. المشروع /البحث و العرض التقديمي
3.2	يلتزم بالأخلاق الإسلامية و في تعامله مع الاخرين و يقود المجموعة و يتخذ القرار المناسب	ق 4 -V4 ق1- V1		
3.3	يتحمّل المسؤولية و يساهم في خدمة المجتمع	ق3 -V3		

ج. موضوعات المقرر

م	قائمة الموضوعات	الساعات التدريسية المتوقعة
1	**الفصل الأول : مقدمة في التجارة الإلكترونية وتأثيرها الاقتصادي** **1-** تعريف التجارة الإلكترونية والفرق بينها وبين التجارة التقليدية. **2-** التطور التاريخي للتجارة الإلكترونية وتأثيرها على الاقتصاد. **3-** أهمية التجارة الإلكترونية في الاقتصاد الحديث.	**2 ساعات**
2	**الفصل الثاني : نماذج الأعمال في التجارة الإلكترونية** 1- أنواع نماذج الأعمال: (B2B, B2C, C2C, C2B). 2- تحليل اقتصادي لكل نموذج.	**4 ساعات**

	3- دراسات حالة لنماذج ناجحة في التجارة الإلكترونية.	
3	**الفصل الثالث: التأثير الاقتصادي للتجارة الإلكترونية على الأسواق** 1- الكفاءة الاقتصادية وتأثير التجارة الإلكترونية عليها. 2- تحليل تأثير التجارة الإلكترونية على المنافسة. 3- مفهوم تكاليف المعاملات والانخفاض في الحواجز التجارية.	4 ساعات
4	**الفصل الرابع : الطلب والعرض في الأسواق الرقمية** 1- تحليل ديناميكيات الطلب والعرض في الأسواق الإلكترونية 2- المرونة السعرية والتسعير الديناميكي 3- استراتيجيات تسعير المنتجات والخدمات عبر الإنترنت	4 ساعات
5	**الفصل الخامس : التجارة الإلكترونية وسلوك المستهلك** 1- تأثير التجارة الإلكترونية على سلوك المستهلك 2- تحليل أنماط الشراء عبر الإنترنت. 3- أدوات تحليل البيانات الضخمة في فهم سلوك المستهلك	4 ساعات
	الاختبار النصفي	
6	**الفصل السادس: المدفوعات الإلكترونية وتأثيرها الاقتصادي** 1- أنظمة الدفع الإلكتروني. 2- العملات الرقمية وتقنية البلوك تشين 3- التأثير الاقتصادي لأنظمة الدفع على التدفقات المالية.	4ساعات
7	**الفصل السابع: الجوانب القانونية والضريبية للتجارة الإلكترونية** 1- قوانين التجارة الإلكترونية الدولية والمحلية. 2- الضرائب الرقمية وتأثيرها على الإيرادات الحكومية. 3- حماية المستهلك والملكية الفكرية.	4 ساعات
8	**الفصل الثامن : التجارة الإلكترونية والتنمية الاقتصادية** 1- التجارة الإلكترونية كأداة لتعزيز التجارة الدولية. 2- دور التجارة الإلكترونية في تقليل الفجوة الرقمية. 3- تأثير التجارة الإلكترونية على خلق فرص العمل والابتكار	2 ساعات
9	**الفصل التاسع : الاتجاهات المستقبلية في التجارة الإلكترونية** 1- الذكاء الاصطناعي وتأثيره على التجارة الإلكترونية. 2- الاقتصاد التشاركي والمنصات الرقمية.	2 ساعات

	3- مستقبل الأسواق الرقمية.	
	المجموع	30 ساعة

د. أنشطة تقييم الطلبة

م	أنشطة التقييم	توقيت التقييم (بالأسبوع)	النسبة من إجمالي درجة التقييم
1	التكاليف/ الواجبات المنزلية	مستمر طوال الفصل الدراسي	%10
2	الأسئلة الشفوية و المناقشات الصفية	مستمر طوال الفصل الدراسي	%10
3	الاختبار النصفي	الأسبوع الثامن	%20
4	المشروع /البحث و العرض التقديمي	الأسبوع الحادي عشر	%20
5	الاختبار النهائي	وفقاً للتقويم الأكاديمي	%40

أنشطة التقييم (اختبار تحريري، شفهي، عرض تقديمي، مشروع جماعي، ورقة عمل وغيره).

هـ. مصادر التعلم والمرافق:

1. قائمة المراجع ومصادر التعلم:

المرجع الرئيس للمقرر	التجارة الالكترونية وتطبيقاتها تأليف: أ.د. عامر ابراهيم قنديلجي الطبعة الثانية 2016, دار المسيرة للنشر والتوزيع, عمان
المراجع المساندة	1- Chaffey, D. (2020). Digital Business and E-Commerce Management. Pearson 2- Laudon, K. C., & Traver, C. G. (2021). *E-Commerce: Business, Technology, Society.* Pearson
المصادر الإلكترونية	المكتبة الرقمية السعودية World Economic Forum (www.weforum.org) البنك الدولي(www.worldbank.org)
أخرى	

2. المرافق والتجهيزات المطلوبة:

العناصر	متطلبات المقرر
المرافق النوعية (القاعات الدراسية، المختبرات، قاعات العرض، قاعات المحاكاة ... إلخ)	القاعات الدراسية ومعامل الكمبيوتر

العناصر	متطلبات المقرر
التجهيزات التقنية (جهاز عرض البيانات، السبورة الذكية، البرمجيات)	**أجهزة حاسوب، اتصال بالانترنت، نظام إدارة التعلم Blackboard**
تجهيزات أخرى (تبعاً لطبيعة التخصص)	-

و. تقويم جودة المقرر:

مجالات التقويم	المقيمون	طرق التقييم
فاعلية التدريس	الطلاب، مدرس المقرر	غير مباشرة: عن طريق تحليل نتائج استبانة تقييم الطلاب لعضو هيئة التدريس
فاعلية طرق تقييم الطلاب	مدرس المقرر	غير مباشرة: عن طريق تحليل استبانة تقييم الطلاب للمقرر
مصادر التعلم	مدرس المقرر والطلاب	غير مباشرة: عن طريق تحليل نتائج استبانة تقييم المصادر
مدى تحصيل مخرجات التعلم للمقرر	مدرس المقرر	مباشرة: عن طريق قياس نواتج تعلم المقرر
أخرى		

المقيمون (الطلبة، أعضاء هيئة التدريس، قيادات البرنامج، المراجع النظير، أخرى (يتم تحديدها).

طرق التقييم (مباشر وغير مباشر).

ز. اعتماد التوصيف:

جهة الاعتماد	
رقم الجلسة	
تاريخ الجلسة	

توصيف المقرر الدراسي

(بكالوريوس)

اسم المقرر: ريادة الأعمال والابتكار
رمز المقرر: BUS1098
البرنامج: بكالوريوس إدارة الأعمال
القسم العلمي: إدارة الأعمال
الكلية: الإدارة والاقتصاد
المؤسسة: جامعة أم القرى
نسخة التوصيف: 1
تاريخ آخر مراجعة: 4 فبراير 2025

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جدول المحتويات

أ. معلومات عامة عن المقرر الدراسي: 3
ب. نواتج التعلم للمقرر واستراتيجيات تدريسها وطرق تقييمها: 4
ج. موضوعات المقرر 5
د. أنشطة تقييم الطلبة 6
هـ. مصادر التعلم والمرافق: 6
و. تقويم جودة المقرر: 7
ز. اعتماد التوصيف: 7

أ. معلومات عامة عن المقرر الدراسي:

1. التعريف بالمقرر الدراسي

1. الساعات المعتمدة: (2)					
2. نوع المقرر					
أ -	☐ متطلب جامعة	☐ متطلب كلية	☐ متطلب تخصص	☐ متطلب مسار	☒ أخرى
ب -	☐ إجباري	☒ اختياري			
3. السنة / المستوى الذي يقدم فيه المقرر: (السنة الثالثة / المستوى الخامس)					
4. الوصف العام للمقرر					
يهدف هذا المقرر إلى تزويد الطلاب بفهم أساسي لريادة الأعمال والابتكار، وتنمية مهاراتهم في تطوير الأفكار الريادية وتحويلها إلى مشاريع قابلة للتنفيذ. يشمل المقرر مفاهيم ريادة الأعمال، الابتكار، نماذج الأعمال، تحليل السوق، مصادر التمويل، والتسويق الرقمي. يعتمد التدريس على أساليب تفاعلية مثل دراسات الحالة والمشاريع التطبيقية لمساعدة الطلاب على تحقيق نجاح ريادي.					
5- المتطلبات السابقة لهذا المقرر (إن وجدت)					
لا يوجد					
6- المتطلبات المتزامنة مع هذا المقرر (إن وجدت)					
لا يوجد					
7. الهدف الرئيس للمقرر					
بنهاية هذا المقرر، سيكون الطالب قادرًا على: • فهم أساسيات ريادة الأعمال والابتكار وأهميتها، وفهم نموذج العمل التجاري (Business Model Canvas) لتحليل وتطوير المشروعات الريادية.					

2. نمط التعليم (اختر كل ما ينطبق)

م	نمط التعليم	عدد الساعات التدريسية	النسبة
1	تعليم التقليدي		
2	التعليم الإلكتروني		
3	التعليم المدمج • التعليم التقليدي • التعليم الإلكتروني		
4	التعليم عن بعد	30	100%

3. الساعات التدريسية (على مستوى الفصل الدراسي)

م	النشاط	ساعات التعلم	النسبة
1	محاضرات	30	100%
2	معمل أو إستوديو		
3	ميداني		
4	دروس إضافية		
5	أخرى		
	الإجمالي	30	100%

ب. نواتج التعلم للمقرر واستراتيجيات تدريسها وطرق تقييمها:

الرمز	نواتج التعلم	رمز ناتج التعلم المرتبط بالبرنامج	استراتيجيات التدريس	طرق التقييم
1.0	المعرفة والفهم			
1.1	يشرح الطالب مفاهيم ريادة الأعمال والابتكار.	K1	محاضرات، دراسات حالة	اختبارات قصيرة
1.2	يحلل الطالب دور التكنولوجيا في تطوير المشاريع الريادية.	S4	تطبيقات عملية، مناقشات جماعية	تقييم عملي
1.3	يوضح الطالب مبادئ التمويل والاستثمار المتعلقة بالمشاريع الناشئة.	K1	محاضرات، تطبيقات عملية	دراسات حالة، اختبارات تحريرية
2.0	المهارات			
2.1	يصمم الطالب نموذج عمل تجاري لمشروع ريادي.	S2	دراسات حالة، أنشطة جماعية	تقييم خطة عمل مشروع ريادي

الرمز	نواتج التعلم	رمز ناتج التعلم المرتبط بالبرنامج	استراتيجيات التدريس	طرق التقييم
2.2	يحلل الطالب السوق السعودي والفرص الريادية.	S1	بحوث تسويقية، أدوات تحليل السوق	تقييم خطة عمل مشروع ريادي
2.3	يطور الطالب استراتيجيات النمو والاستدامة للمشاريع الناشئة.	S2	محاضرات، نقاشات جماعية، جلسات عصف ذهني	تقييم خطة عمل مشروع ريادي
3.0	القيم والاستقلالية والمسؤولية			
3.1	يطبق الطالب مبادئ الأخلاقيات المهنية في مواقف ريادية.	V1	نقاشات، دراسات حالة	تقييم أخلاقيات الأعمال
3.2	يُقيّم الطالب أثر القرارات الريادية على المجتمع والبيئة، ويُقترح حلولاً تراعي المسؤولية الاجتماعية.	V1	محاضرات، نقاشات جماعية، جلسات عصف ذهني	تقييم دراسة حالة

ج. موضوعات المقرر

م	قائمة الموضوعات	الساعات التدريسية المتوقعة
1	مقدمة في ريادة الأعمال: المفاهيم والأسس	2
2	بيئة الأعمال الريادية: التحديات والفرص	2
3	الابتكار والتكنولوجيا في ريادة الأعمال	2
4	نماذج الأعمال واستراتيجيات النمو	4
5	تحليل السوق وإعداد خطط التسويق	4
6	تطوير المنتجات والخدمات الريادية	2
7	مصادر التمويل وإدارة المخاطر المالية	2
8	استراتيجيات التسويق الرقمي للمشروعات الناشئة	2
9	تطبيقات عملية: إعداد دراسة جدوى لمشروع ريادي	2
10	تطبيقات عملية: تصميم نموذج عمل تجاري لمشروع ريادي	4
11	مراجعة وتقديم المشاريع الريادية	4
المجموع		30

د. أنشطة تقييم الطلبة

م	أنشطة التقييم	توقيت التقييم (بالأسبوع)	النسبة من إجمالي درجة التقييم
1	تحليل حالة دراسية	الأسبوع 5	10%
2	اختبار نصفي	الأسبوع 7	25%
3	خطة عمل مشروع ريادي	الأسبوع 9	15%
4	عرض تقديمي لمشروع ريادي	الأسبوع 13 و 14	10%
5	الاختبار النهائي	الأسبوع 15	40%

أنشطة التقييم (اختبار تحريري، شفهي، عرض تقديمي، مشروع جماعي، ورقة عمل وغيره).

هـ. مصادر التعلم والمرافق:

1. قائمة المراجع ومصادر التعلم:

المرجع الرئيس للمقرر	• ريادة الأعمال والابتكار – د. فهد الحربي (2023)
المراجع المساندة	• نموذج العمل التجاري: ابتكر نموذج عمل مربح – ألكسندر أوسترفالدر (2013) • إدارة المشروعات الصغيرة والمتوسطة – د. أحمد السيد (2021)
المصادر الإلكترونية	• منصة دروب: www.doroob.sa. • منصة رواق التعليمية: www.rwaq.org. • منصة إدراك: www.edraak.org. • LinkedIn Learning: www.linkedin.com/learning.
أخرى	

2. المرافق والتجهيزات المطلوبة:

العناصر	متطلبات المقرر
المرافق النوعية (القاعات الدراسية، المختبرات، قاعات العرض، قاعات المحاكاة ... إلخ)	القاعات الدراسية ومعامل الكمبيوتر.
التجهيزات التقنية (جهاز عرض البيانات، السبورة الذكية، البرمجيات)	أجهزة حاسوب، اتصال بالإنترنت، نظام إدارة التعلم (Blackboard).
تجهيزات أخرى (تبعاً لطبيعة التخصص)	–

و. تقويم جودة المقرر:

مجالات التقويم	المقيمون	طرق التقييم
فاعلية التدريس	الطلاب، مدرس المقرر	غير مباشرة: عن طريق تحليل نتائج استبانة تقييم الطلاب لعضو هيئة التدريس.
فاعلية طرق تقييم الطلاب	مدرس المقرر	غير مباشرة: عن طريق تحليل استبانة تقييم الطلاب للمقرر.
مصادر التعلم	الطلاب، مدرس المقرر	غير مباشرة: عن طريق تحليل نتائج استبانة تقييم المصادر.
مدى تحصيل مخرجات التعلم للمقرر	مدرس المقرر	مباشرة: عن طريق قياس نواتج تعلم المقرر.
أخرى		

المقيمون (الطلبة، أعضاء هيئة التدريس، قيادات البرنامج، المراجع النظير، أخرى (يتم تحديدها).

طرق التقييم (مباشر وغير مباشر).

ز. اعتماد التوصيف:

جهة الاعتماد	مجلس قسم إدارة الأعمال
رقم الجلسة	
تاريخ الجلسة	

Level [6]

Course Specification
(Bachelor)

Course Title:	**Long-Span Buildings Design Studio**
Course Code:	**ARC 3005**
Program:	**Bachelor of Architecture and Planning**
Track:	**(General Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UN36

Courses Group: Des. Proc.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	5 Cr. Hrs.	**Contact hours:**	10 Hrs. / week

2. Course type

a.	University		College		Department	●	Track		Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 3 Level 6

4. Course general description:

This course provides an in-depth understanding of various long-span structural systems essential for architectural design. Students will explore various long-span structural systems, including folded plates, shells, tents, cables, trusses, space trusses, and space frames. The course aims to equip students with the knowledge to select and apply appropriate construction materials and structure systems for projects involving large spans.

5. Pre-requirements for this course (if any):

ARC 3004	Sustainable Design Studio	Year: 3	Level: 5

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to provide students with a strong understanding of building materials and structural systems essential for designing long-span buildings. Students will develop the ability to solve complex architectural and engineering challenges within the built environment, creating innovative design concepts that integrate functionality and aesthetics. They will apply their knowledge of structural systems and material selection to make informed design decisions. Throughout the course, students will effectively utilize digital tools and techniques, while also taking responsibility for their ongoing learning and professional growth in the field of long-span building design.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	10	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	0
2	Practical	0
3	Studio	150
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**150**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of building materials and structure systems. (K2-a)	**K2**	Direct Learning (Lecture)	Written Assgs./ Exams
	Skills			
2.1	Solve complicated problems associated with the built environment. (S1-b)	**S1**	Indirect L. (Problems solving)	Eval. of Project(s)
2.2	Create innovative concepts and forms for the built environment. (S1-c)	**S1**	Self–Learning	Eval. of Project(s)
2.3	Apply the theories and methods of designing the built environment. (S1-d)	**S1**	Self–Learning	Eval. of Project(s)
2.4	Apply knowledge of structural systems and materials selection. (S1-e)	**S1**	Self–Learning	Eval. of Project(s)
2.5	Effectively use digital skills throughout the design process of the built environment. (S6-a)	**S6**	Self–Learning	Eval. of Project(s)
	Values, autonomy, and responsibility			
3.1	Demonstrate responsibility for self-learning and ongoing development. (V2-b)	**V2**	Self–Learning (Research work)	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	Trusses structure system	10
2	Cables structure system	10
3	Tent structure system	10
4	Folded plates structure system	10
5	Shell structure system	10
6	Pneumatic structure system	10
7	Analysis of structure systems examples	10
8	Site analysis and building code	10
9	Preliminary study of the project and its components	10
10	Development of plans and structure system -Part 1	10
11	Development of plans and structure system -Part 2	10
12	Development of plans and structure system -Part 3	10
13	Development of sections and elevations	10
14	Full project development -Part 1	10
15	Full project development -Part 2	10
	Total	150

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	Cont. Assess. (Written Assgs./ Exams, Eval. of Project(s), Eval. of Research)	1 to 15	70
2	Mid-Term Exam (Drawing Exam)	7	10
3	Final Submission (Final Project Oral Exam)	16	20

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Neufert, E. et al. (2023). Architects' Data. Wiley-Blackwell.
	Engel H. (2007). Structure systems. Praeger.
Supportive References	Watson, D., & Crosbie, M. (2005). Time-saver standards for architectural design. McGraw-Hill.
	Baker, G. (2006). Design strategies in architecture. Routledge.
	Ching, F. (2014). Building Structures illustrated. Wiley.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Studio
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Mohammad Abdullah Almahdi	**Ahmed M. A. Shehata**	**Oumr Adnan Osra**
Head of PPC	Head of C&SPC	Head of D&QC
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission

اعتماد
NCAAA

2024
TP-153

Course Specification
(Bachelor)

Course Title:	**Building Construction Studio 4**
Course Code:	**ARC 3304**
Program:	**Bachelor of Architecture and Planning**
Track:	**(General Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UN37

Courses Group: Constr. & Bldg. Syst.

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B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

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D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	4 Hrs. / week

2. Course type

a.	University		College		Department	●	Track		Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 3 Level 6

4. Course general description:

This course provides a comprehensive overview of exterior and interior finishing materials and techniques. it covers the key materials and methods for finishing building facades, including curtain walls, glass blocks, aluminum cladding, brickwork, and stucco. It also introduces interior wall finishes such as wood paneling and paints, as well as ceiling finishes like false ceilings and gypsum boards. Additionally, the course explores floor surface finishes, including tiles, hardwood, vinyl, and marble. Using previously designed housing unit, students will apply gained knowledge

5. Pre-requirements for this course (if any):

ARC 3303 Building Construction Studio 3 Year: 3 Level: 5

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to help students develop a strong understanding of exterior and interior finishing. Students will be encouraged to independently seek and apply relevant knowledge to their work. The course emphasizes the creation of precise and efficient drawings, while also focusing on effective time management, enabling students to complete tasks under pressure and meet deadlines.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	4	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	0
2	Practical	0
3	Studio	60
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**60**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of building materials and structure systems. (K2-a)	**K2**	Blended Learning (Flipped classroom)	Written Exams
	Skills			
2.1	Solve complicated problems associated with the built environment. (S1-b)	**S1**	Self–Learning	Eval. of Project(s)
2.2	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Collaborative L. (Teamwork Research)	Eval. of Research
2.3	Create drawings with efficiency and precision. (S4-c)	**S4**	Self–Learning	Eval. of Project(s)
	()			
	Values, autonomy, and responsibility			
3.1	Mange and complete tasks efficiently under pressure and within deadlines. (V3-a)	**V3**	Self–Learning	Assignments & Tasks

C. Course Content

No	List of Topics	Contact
1	Introduction to finish materials	4
2	Types of woodworking and metal Joints	4
3	Ceiling finishes: Mineral fiber ceiling tiles	4
4	Ceiling finishes: Gypsum board	4
5	Wall finishes: Paintings and coatings	4
6	Wall finishes: Wood paneling	4
7	Floor finishes: Wood flooring installation 1	4
8	Floor finishes: Wood flooring installation 2	4
9	Floor finishes: Ceramic, porcelain, marble and granite tiles	4
10	Exterior finishes: Metal clading	4
11	Exterior finishes: Marble and granite	4
12	Exterior finishes: Masonry finishes	4
13	Project development: Interior finishes of the housing unit - Part 1	4
14	Project development: Interior finishes of the housing unit - Part 2	4
15	Project development: Exterior finishes of the housing unit	4
	Total	60

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	Cont. Assess. (Eval. of Project(s), Eval. of Research, Assignments & Tasks)	1 to 15	60
2	Mid-Term Exam (Written and Drawing Exam)	7	20
3	Final Submission of the Project	16	20

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Ching, D.K. (2020). Building Construction Illustrated. Van Nostrad Reinhold.
	Kultermann, E., & Spence, W. (2021). Construction materials, methods and techniques. Cengage.
Supportive References	Bernold, L. (2015). Construction Equipment and Methods: Planning, Innovation, Safety. Wiley.
	Mehta, M. (2017). Building Construction: Principles, Materials, and Systems. Pearson.
	ARCOM. (2003). The Graphic Standards Guide to Architectural Finishes. John Wiley & Sons.
	McKay, W. B. (2005). McKay's Building Construction. Routledge.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Studio
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Mohammad Abdullah Almahdi	**Mohamed Atef Elhamy Kamel**	**Oumr Adnan Osra**
Head of PPC	Head of C&SPC	Head of D&QC
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Architectural Research Methods**
Course Code:	**ARC 3206**
Program:	**Bachelor of Architecture and Planning**
Track:	**(General Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UN34

Courses Group: Arc. Hist. & Th.

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2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department	●	Track		Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 3 Level 6

4. Course general description:

This course provides students with a comprehensive understanding of research methods in the field of architecture. It equips students with the skills to identify research problems and questions, collect and analyze relevant data, and effectively communicate their research findings. Emphasizing both qualitative and quantitative approaches, the course prepares students to conduct independent research, contributing to academic knowledge and addressing challenges in the field of architectural and uranism.

5. Pre-requirements for this course (if any):

None

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to develop students' ability to critically engage with research methodologies and apply them effectively in architectural and urban studies. Students will gain expertise in analyzing data, formulating findings, and communicating results with a commitment to academic integrity. The course also emphasizes collaboration and leadership, preparing students to work effectively in diverse teams while fostering independence and excellence in research practices.

2. Teaching mode

(Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of research and inquiry methodologies. (K5-a)	**K5**	Direct Learning (Lecture)	Written Exam
	Skills			
2.1	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Collaborative L. (Teamwork Research)	Eval. of Research
2.2	Analyze data from multiple sources. (S3-b)	**S3**	Collaborative L. (Teamwork Research)	Eval. of Research
2.3	Formulate results of different experiments. (S3-c)	**S3**	Collaborative L. (Teamwork Research)	Eval. of Research
	()			
	Values, autonomy, and responsibility			
3.1	Demonstrate commitment to honesty and academic integrity. (V1-c)	**V1**	Collaborative L. (Teamwork Research)	Eval. of Research
3.2	Collaborate effectively and lead diverse teams to complete tasks responsibly and constructively. (V2-c)	**V2**	Collaborative L. (Teamwork Research)	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	Introduction to Scientific Research Methods	2
2	The Nature and Tools of Research	2
3	The Problem: The Heart of the Research Process	2
4	Review of the Related Literature	2
5	Planning Your Research Project	2
6	Writing the Research Proposal	2
7	Quantitative Research - Descriptive Research	2
8	Quantitative Research – Experimental, Quasi Experimental, and Ex Post Facto Designs	2
9	Quantitative Research – Analyzing Quantitative Data	2
10	Qualitative Research – Methods	2
11	Qualitative Research – Analyzing Quantitative Data	2
12	Mixed Methods Research	2
13	Research Reports	2
14	How to Read a Research Paper	2
15	Time Management of Research	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research)	14	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Deetjen, T. (2020). Published: a Gide. Productive Academic.
	Paul, D. (2016). Practical Research Planning and Design (11th Edition).
Supportive References	Salkind, J. (2018). Exploring research. Pearson.
	Leedy, P., & Ormrod, J. (2018). Practical research. Pearson.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Mohammad Abdullah Almahdi	**Mohamed Wahba Ibrahim Khalil**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission

اعتماد
NCAAA

2024
TP-153

Course Specification
(Bachelor)

Course Title:	**20th Century and Contemporary Architecture**
Course Code:	**ARC 3204**
Program:	**Bachelor of Architecture and Planning**
Track:	**(General Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UN39

Courses Group: Arc. Hist. & Th.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department	●	Track		Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 3 Level 6

4. Course general description:

This course introduces students to twentieth-century architecture, focusing on the pioneers and movements of modernism and their impact on architectural design. It examines the interaction between philosophical, cultural, ethical, and socio-economic concepts with architectural form and expression. Through case studies and discussions, students will explore how modernism shaped contemporary architecture.

5. Pre-requirements for this course (if any):

ARC 3203	Renaissance and Pre-modern Architecture	Year: 3	Level: 5

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to equip students with a deep understanding of the theories and movements that shaped 20th-century and contemporary architecture. It fosters critical analysis of the cultural, technological, and socio-economic factors influencing architectural evolution. Students will be encouraged to independently seek knowledge while emphasizing persistence and excellence.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of theories of the built environment. (K1-f)	**K1**	Direct Learning (Lecture)	Written Exam
1.2	Explain the impact of different aspects on the built environment. (K1-h)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
	Skills			
2.1	Analyze factors shaping and influencing the built environment. (S1-l)	**S1**	Interactive L. (Dialogue & discussion)	Written Exam
2.2	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning (Research work)	Eval. of Research
	()			
	Values, autonomy, and responsibility			
3.1	Demonstrate persistence on achievement and distinction. (V2-d)	**V2**	Self–Learning	Eval. of Portfolio

C. Course Content

No	List of Topics	Contact
1	Introduction to global architecture in the twentieth century	2
2	Modern Architecture: First generations of pioneers	2
3	Modern Architecture: Second generations of pioneers	2
4	Late-Modern Architecture: Sculptural Form and Slick Tech	2
5	Twenties Revivalism and Structuralism	2
6	Machine Simulation	2
7	High Tech	2
8	Neo and Monumental Expressionism	2
9	Deconstruction	2
10	Post-Modern Architecture	2
11	Sustainable and Green Architecture	2
12	Biomimicry Architecture	2
13	Smart Buildings and Technology Integration	2
14	Biophilic Design	2
15	Parametric and Computational Design	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research, Eval. of Portfolio)	14	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Moffett, M. Et al. (2008). A world History of Architecture. McGraw-Hill.
	Jencks, C. (1991). The language of post-modern architecture. Academy Editions.
Supportive References	Doordan, D. (2002). Twentieth century architecture. Abrams.
	Frampton, K. (2007). Modern Architecture, a Critical History. Thames and Hudson.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Mohammad Abdullah Almahdi	**Mohamed Wahba Ibrahim Khalil**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Introduction to Urban Planning Studio**
Course Code:	**ARC 3406**
Program:	**Bachelor of Architecture and Planning**
Track:	**(General Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UN40

Courses Group: Urban Plan.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	3 Cr. Hrs.	**Contact hours:**	6 Hrs. / week

2. Course type

a.	University		College		Department	●	Track		Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 3 Level 6

4. Course general description:

This studio introduces students to the practical application of key concepts and principles in urban planning. Focusing on essential studies required for urban planning projects, students will build upon knowledge from the "Introduction to Urban Planning" course. Through assignments addressing specific urban issues, students will collect and analyze data related to urban planning aspects of an existing small town, gaining hands-on experience in real-world urban planning challenges.

5. Pre-requirements for this course (if any):

ARC 3404	Principles of Urban Planning	Year: 3	Level: 5

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This studio equips students with urban planning essential skills. It aims to teach students how to analyse data, define functional requirements and apply planning theories to generate innovative design concepts. The course emphasizes balancing user needs with environmental impacts and addressing complex urban challenges. Finally, it focuses on developing practical skills like efficient task management and meeting deadlines.

2. Teaching mode

(Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	6	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	0
2	Practical	0
3	Studio	90
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**90**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Define functional requirements and relationships for different sectors of the built environment. (K1-b)	**K1**	Self–Learning (Research work)	Eval. of Research
	Skills			
2.1	Make design decisions considering user requirements and various environmental impacts. (S1-a)	**S1**	Self–Learning	Eval. of Project(s)
2.2	Solve complicated problems associated with the built environment. (S1-b)	**S1**	Self–Learning	Eval. of Project(s)
2.3	Create innovative concepts and forms for the built environment. (S1-c)	**S1**	Self–Learning	Eval. of Project(s)
2.4	Apply the theories and methods of designing the built environment. (S1-d)	**S1**	Self–Learning	Eval. of Project(s)
2.5	Analyze data from multiple sources. (S3-b)	**S3**	Self–Learning	Eval. of Project(s)
	Values, autonomy, and responsibility			
3.1	Mange and complete tasks efficiently under pressure and within deadlines. (V3-a)	**V3**	Self–Learning	Direct Observation

C. Course Content

No	List of Topics	Contact
1	Introduction to the studio	6
2	Collecting data to understand and specify problems	6
3	Analyzing the collected data to reach the main objectives	6
4	Regional introduction of the project	6
5	Environmental analysis of the city	6
6	Infrastructure analysis	6
7	Services	6
8	Residential communities	6
9	Socio-economic studies	6
10	SWOT analysis of the city	6
11	Presentation techniques	6
12	Full project development -Part 1	6
13	Full project development -Part 2	6
14	Full project development -Part 3	6
15	Full project development -Part 4	6
	Total	90

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	Cont. Assess. (Eval. of Research, Eval. of Project(s))	1 to 15	70
2	Mid-Term Exam (Drawing Exam)	7	10
3	Final Submission (Final Project Oral Exam)	16	20

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Butler, K. (2012). Planning and Urban Design Standards. Wiley.
	ELWakil, S. (2006). Urban Planning: Principles, Basics and Applications.
Supportive References	Levy, J. (2016). Contemporary urban planning. Routledge.
	Weber, R. & Randal, C. (2015). The oxford handbook of urban planning. 2015.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Studio
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Mohammad Abdullah Almahdi	**Abdulrahman Abdulaziz Majrashi**	**Oumr Adnan Osra**
Head of PPC	Head of C&SPC	Head of D&QC
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
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6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Advanced Technologies in Building Construction**
Course Code:	**ARC 3305**
Program:	**Bachelor of Architecture and Planning**
Track:	**(General Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

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Courses Group: Constr. & Bldg. Syst.

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1. References and Learning Resources 5

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F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department	●	Track		Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 3 Level 6

4. Course general description:

This course explores the impact of emerging technologies and materials on building construction and operation, emphasizing energy efficiency, environmental sustainability, and health and safety. Topics include the future of construction, nanotechnology, smart materials, advanced renewable energy systems, and the role of robotics. Students will also investigate AI, VR/AR/MR applications, 3D printing, and various dimensions of Building Information Modeling (BIM). The course provides a comprehensive overview of how these innovations integrate to enhance construction practices.

5. Pre-requirements for this course (if any):

ARC 3303	Building Construction Studio 3	Year: 3	Level: 5

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to provide students with a comprehensive understanding of advanced technologies in building construction and various methods for representing the built environment. Students will gain in-depth knowledge of cutting-edge tools and software used in designing the built environment. The course encourages independent learning, prompting students to seek and apply relevant knowledge effectively. Additionally, students will develop the ability to collaborate and lead diverse teams in completing tasks responsibly and constructively.

2. Teaching mode

(Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of various ways of representing the built environment. (K1-d)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
1.2	Demonstrate an understanding of a wide range of advanced knowledge related to the built environment. (K1-k)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
1.3	Demonstrate an understanding of the required knowledge to use software in designing the built environment. (K1-l)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
	Skills			
2.1	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Collaborative L. (Teamwork Research)	Eval. of Research
	()			
	Values, autonomy, and responsibility			
3.1	Collaborate effectively and lead diverse teams to complete tasks responsibly and constructively. (V2-c)	**V2**	Collaborative L. (Teamwork Research)	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	The future of construction in light of technical developments	2
2	Nanotechnology in building and construction	2
3	Artificial Intelligence (AI) and Machine Learning (ML) in building construction	2
4	Artificial intelligence in urban planning	2
5	Robotics in construction	2
6	Advanced renewable energy systems	2
7	Smart building materials	2
8	Virtual Reality (VR), Augmented Reality (AR) & Mixed Reality (MR)	2
9	3D Printing in construction	2
10	3D laser scanning in building and construction	2
11	Building Information Modeling (BIM) – An introduction	2
12	Building Information Modeling - 3D	2
13	Building Information Modeling - 4D	2
14	Building Information Modeling - 5D	2
15	Building Information Modeling - 6D	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research)	14	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Eastman, C., et al. (2025). BIM handbook : A guide to building information modeling. Wiley.
	Baker, N. $ Steemer, K. (2000). Energy and Environment in Architecture: a Technical design guide. E&FN Spon.
Supportive References	Hyde,R. (2008). Bioclimatic Housing Innovative Design for Urban Climates, Earthscan.
	Ghaffar, S. (2022). Innovation in construction: a practical guide to transforming the. Springer Nature.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Mohammad Abdullah Almahdi	**Mohamed Atef Elhamy Kamel**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Mathematics for Architects**
Course Code:	**MTH1183**
Program:	**Bachelor of Architecture and Planning**
Track:	**(General Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

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Table of Contents:

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1. Course Identification 3

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B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

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E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track		Supporting	●
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 3 Level 6

4. Course general description:

This course introduces essential mathematical concepts needed for architectural studies, focusing on geometry and calculus. Topics include a review of trigonometry, calculations of areas and volumes for basic geometric figures, and the analytic geometry of lines, planes, and vectors in two and three dimensions. The course also covers differential and integral calculus, emphasizing practical applications such as optimization problems and determining areas and volumes through integration. These foundational skills will enable students to approach architectural challenges with confidence and precision.

5. Pre-requirements for this course (if any):

None

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

The course aims at the students to: Demonstrate an understanding of mathematical concepts relevant to the built environment; Solve complicated problems associated with the built environment; Demonstrate self-discipline and punctuality.

2. Teaching mode

(Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of mathematical concepts relevant to the built environment. (K4-a)	**K4**	Direct Learning (Lecture)	Written Assgs./ Exams
	Skills			
2.1	Solve complicated problems associated with the built environment. (S1-b)	**S1**	Indirect L. (Problems solving)	Written Exam
	()			
	Values, autonomy, and responsibility			
3.1	Demonstrate self-discipline and punctuality. (V1-a)	**V1**	Self–Learning	Direct Observation

C. Course Content

No	List of Topics	Contact
1	Introduction	2
2	Differentiation: Linear equations, Slope formula, Measuring gradients	2
3	Rules for differentiation- part1	2
4	Rules for differentiation- part2	2
5	Derivatives of Trigonometric Functions	2
6	Derivative Rules and Curve Sketching	2
7	Integration: Definite and indefinite integrals - Part1	2
8	Integration: Definite and indefinite integrals - Part2	2
9	Integration of trigonometric functions - Part1	2
10	Integration of trigonometric functions - Part2	2
11	Finding the area under curve and between curves	2
12	Trapezoidal and Simpson's rule	2
13	Analytic Geometry: Circles and the Parabola	2
14	The Ellipse and the Hyperbola	2
15	Revision	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Written Assgs./ Exams)	1 to 15	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Strang, G. (2017). Calculus. Wellesley.
	Serdarushich, V. (2014). Analytic Geometry. Nabla Ltd.
Supportive References	
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Fares Saad M Al-Saygh		**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

3.2 Architecture

Track

Level [7]

Course Specification
(Bachelor)

Course Title:	**Heritage Buildings Conservation Studio**
Course Code:	**ARC 4006**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

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Courses Group: Des. Proc.

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1. References and Learning Resources 5

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F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	5 Cr. Hrs.	**Contact hours:**	10 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 4 Level 7

4. Course general description:

This studio emphasizes the significance of architectural heritage, introducing students to the criteria for identification, classification, documentation, and various levels of conservation. It addresses threats to heritage buildings, including neglect, lack of maintenance, and deterioration. Through hands-on project, students will apply their knowledge by engaging in the conservation and adaptive reuse of a significant heritage building in Saudi Arabia, demonstrating practical approaches to preserving architectural heritage while maintaining its relevance for contemporary use.

5. Pre-requirements for this course (if any):

ARC 3005 Long-Span Buildings Design Studio Year: 3 Level: 6

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to equip students with a comprehensive understanding of conservation methods for preserving built heritage. Students will learn to address complex challenges associated with the conservation and restoration of historic structures, integrating historical, social, and cultural contexts into their design approaches. They will apply various conservation techniques to ensure the preservation and enhancement of heritage buildings while utilizing digital skills throughout the design and documentation process. Additionally, students will be encouraged to actively contribute to solving issues related to the built environment and take responsibility for their ongoing learning and professional development in heritage conservation.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	10	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	0
2	Practical	0
3	Studio	150
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**150**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Describe the conservation methods of the built heritage. (K1-g)	**K1**	Direct Learning (Lecture)	Written Assgs./ Exams
	Skills			
2.1	Solve complicated problems associated with the built environment. (S1-b)	**S1**	Self–Learning	Eval. of Project(s)
2.2	Apply the theories and methods of designing the built environment. (S1-d)	**S1**	Self–Learning	Eval. of Project(s)
2.3	Integrate historical, social, and cultural references into the design of the built environment. (S1-f)	**S1**	Self–Learning	Eval. of Project(s)
2.4	Apply various conservation methods to preserve the built heritage. (S1-k)	**S1**	Self–Learning	Eval. of Project(s)
2.5	Effectively use digital skills throughout the design process of the built environment. (S6-a)	**S6**	Self–Learning	Eval. of Project(s)
	Values, autonomy, and responsibility			
3.1	Contribute actively to addressing challenges related to the built environment. (V2-a)	**V2**	Self–Learning	Eval. of Project(s)
3.2	Demonstrate responsibility for self-learning and ongoing development. (V2-b)	**V2**	Self–Learning (Research work)	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	Introduction and definitions	10
2	Threats facing architectural heritage	10
3	Classification and documentation of architectural heritage	10
4	Levels of conservation: Preservation	10
5	Levels of conservation: Rehabilitation	10
6	Levels of conservation: Restoration	10
7	Levels of conservation: Reconstruction	10
8	Analysis of similar projects and site analysis	10
9	Preliminary study of the project and its components	10
10	Development of reused plans -Part 1	10
11	Development of reused plans -Part 2	10
12	Development of reused plans -Part 3	10
13	Development of sections and elevations	10
14	Full project development -Part 1	10
15	Full project development -Part 2	10
	Total	150

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	Cont. Assess. (Written Assgs./ Exams, Eval. of Project(s), Eval. of Research)	1 to 15	70
2	Mid-Term Exam (Drawing Exam)	7	10
3	Final Submission (Final Project Oral Exam)	16	20

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Alalouch, C., (2019). Conservation of Architectural Heritage. Springer
	Versaci, A. and Bougdah, H. (2022). Conservation of Architectural Heritage. Springer.
Supportive References	Pickard, R. (2012). Policy and law in heritage conservation. Taylor & Francis.
	Watson, D., & Crosbie, M. (2005). Time-saver standards for architectural design. McGraw-Hill.
	De Chiara, J., & De Chiara, J. (2001). Time-saver standards for building types. McGraw-Hill.
	Development Authorities Support Center. (2022). Architecture Identities of KSA.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Studio
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Abdullah Saeed Karban	**Ahmed M. A. Shehata**	**Oumr Adnan Osra**
Head of PPC	Head of C&SPC	Head of D&QC
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Working Drawings Studio 1**
Course Code:	**ARC 4306**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* AR2

Courses Group: Constr. & Bldg. Syst.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	3 Cr. Hrs.	**Contact hours:**	6 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 4 Level 7

4. Course general description:

This course introduces students to the professional working drawings, building on knowledge from previous construction studios. Students will apply this knowledge to a previously designed small-scale public building, focusing on dimensioning, coordination, annotation, and coding systems. The course emphasizes the coordination of architectural, structural, and electromechanical requirements, as well as detailed blow-up drawings.

5. Pre-requirements for this course (if any):

ARC 3304	Building Construction Studio 4	Year: 3	Level: 6

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to develop students' proficiency in producing professional design drawings by applying prior construction knowledge. Students will focus on coordinating architectural, structural, and electromechanical systems, creating precise drawings, and making detailed blow-up views of a small-scale public building. The course emphasizes accuracy, efficiency, and a deep understanding of the construction process.

2. Teaching mode

(Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	6	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	0
2	Practical	0
3	Studio	90
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**90**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of building materials and structure systems. (K2-a)	**K2**	Self–Learning	Written Assgs./ Exams
1.2	Demonstrate an understanding of technical installations in buildings. (K2-c)	**K2**	Self–Learning	Written Assgs./ Exams
	Skills			
2.1	Apply knowledge of structural systems and materials selection. (S1-e)	**S1**	Self–Learning	Eval. of Project(s)
2.2	Create drawings with efficiency and precision. (S4-c)	**S4**	Self–Learning	Eval. of Project(s)
	()			
	Values, autonomy, and responsibility			
3.1	Demonstrate responsibility for self-learning and ongoing development. (V2-b)	**V2**	Self–Learning	Eval. of Project(s)
3.2	Mange and complete tasks efficiently under pressure and within deadlines. (V3-a)	**V3**	Self–Learning	Assignments & Tasks

C. Course Content

No	List of Topics	Contact
1	Introduction to execution design drawings	6
2	An overview of the selected projects	6
3	Execution design drawings of floor plans - Part 1	6
4	Execution design drawings of floor plans - Part 2	6
5	Execution design drawings of longitudinal section	6
6	Execution design drawings of elevations	6
7	Execution design drawings the site plan	6
8	Water supply and drainage systems	6
9	Electrical drawings	6
10	Air conditioning drawings	6
11	Curtain walls	6
12	Suspended ceilings	6
13	Skylight	6
14	Special stairs construction	6
15	Internal fountains and water features	6
	Total	90

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	Cont. Assess. (Written Assgs./ Exams, Eval. of Project(s), Assignments & Tasks)	1 to 15	60
2	Mid-Term Exam (Written and Drawing Exam)	7	20
3	Final Submission of the Project	16	20

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Styles, K., & Bichard, A. (2012). Working Drawings Handbook. Taylor and Francis.
	Spence, W. (1992). Architectural Working drawing. John Wiley & sons.
Supportive References	Bernold, L. (2015). Construction Equipment and Methods: Planning, Innovation, Safety. Wiley.
	Mehta, M. (2017). Building Construction: Principles, Materials, and Systems. Pearson.
	Levy, S. (2010). Construction databook. McGraw-Hill.
	Dawson, S. (2002). Architect's working details. Emap Architecture.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Studio
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Abdullah Saeed Karban	**Mohamed Atef Elhamy Kamel**	**Oumr Adnan Osra**
Head of PPC	Head of C&SPC	Head of D&QC
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission

اعتماد
NCAAA

2024
TP-153

Course Specification
(Bachelor)

Course Title:	**Creative Generative-Design**
Course Code:	**ARC 4107**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* AR3

Courses Group: C. Rep. & Vis.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	4 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 4 Level 7

4. Course general description:

This course introduces students to generative design technologies, providing computational tools and algorithms that act as a copilot in the design process. It explores the potential of parametric modeling, scripting, and generative systems in architectural design. Students will experiment with form generation, evaluation, and optimization methods, building on an extensive palette of parametric and analytical tools. The course encourages creative exploration, leveraging computation to enhance and optimize architectural design outcomes.

5. Pre-requirements for this course (if any):

ARC 2106 3D Modeling Year: 2 Level: 3

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to provide students with an understanding of various methods for representing the built environment, along with the knowledge required to use software effectively in architectural design. Students will learn to apply digital skills to enhance communication and express design concepts. The course also emphasizes the importance of self-learning and continuous professional development in the use of advanced software.

2. Teaching mode

(Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	4	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	15
2	Practical	45
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**60**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of various ways of representing the built environment. (K1-d)	**K1**	Direct Learning (Lecture)	Computer-based Assgs./ Exams
1.2	Demonstrate an understanding of the required knowledge to use software in designing the built environment. (K1-l)	**K1**	Direct Learning (Lecture)	Computer-based Assgs./ Exams
	Skills			
2.1	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning	Computer-based Assgs./ Exams
2.2	Effectively apply digital skills to enhance communication. (S5-b)	**S5**	Self–Learning	Computer-based Assgs./ Exams
	()			
	Values, autonomy, and responsibility			
3.1	Mange and complete tasks efficiently under pressure and within deadlines. (V3-a)	**V3**	Self–Learning	Computer-based Assgs./ Exams

C. Course Content

No	List of Topics	Contact
1	Introduction to Generative Design - part 1	4
2	Introduction to Generative Design - part 2	4
3	Introduction to Generative Design - part 3	4
4	Genetic/ Evolutional Solvers - part 1	4
5	Genetic/ Evolutional Solvers - part 2	4
6	Genetic/ Evolutional Solvers - part 3	4
7	Physics Solver - part 1	4
8	Physics Solver - part 2	4
9	Physics Solver - part 3	4
10	Introduction to Machine Learning Solver	4
11	Applying Generative Design - part 1	4
12	Applying Generative Design - part 2	4
13	Applying Generative Design - part 3	4
14	Full Project Development: Part-1	4
15	Full Project Development: Part-2	4
	Total	60

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	Cont. Assess. (Computer-based Assgs./ Exams)	1 to 15	40
2	Mid-Term Exam (Computer-Based Exam)	7	20
3	Final Exam (Computer-Based Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Agkathidis, A. (2016). Generative Design. Laurence King Publishing.
	Rhee, J. (2020). Digital media series: Grasshopper. Independently published.
Supportive References	Zesk, W. (2019). Grasshopper: Generative Design for Architecture. linkedin.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Computer Lab.
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
	Applications software
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Abdullah Saeed Karban	**Wajdy Sadagh A. Qattan**	**Oumr Adnan Osra**
Head of PPC	Head of C&SPC	Head of D&QC
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Buildings Design Standards 2**
Course Code:	**ARC 4011**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* AR4

Courses Group: Des. Proc.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 4 Level 7

4. Course general description:

This course provides students with the knowledge and skills to analyze building elements and identify design standards for various complex building types, including hotels, hospitals, museums, theaters, and cultural centers. It also covers design considerations for specialized structures like airports, stadiums, public libraries, city halls, and courthouses. Students will learn to apply these standards in the design process, addressing the unique functional and spatial requirements of each building type.

5. Pre-requirements for this course (if any):

ARC 3005 Long-Span Buildings Design Studio Year: 3 Level: 6

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to help students define functional requirements and relationships within complex buildings. Students will gain a strong understanding of advanced theories that shape buildings and apply them effectively. The course encourages independent learning, with students expected to seek and apply relevant knowledge. Additionally, students will develop collaboration and leadership skills, working responsibly and constructively within diverse teams to complete tasks.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Define functional requirements and relationships for different sectors of the built environment. (K1-b)	**K1**	Direct Learning (Lecture)	Written Exam
1.2	Demonstrate an understanding of theories of the built environment. (K1-f)	**K1**	Direct Learning (Lecture)	Written Exam
1.3	Explain the impact of different aspects on the built environment. (K1-h)	**K1**	Direct Learning (Lecture)	Written Exam
	Skills			
2.1	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Collaborative L. (Teamwork Research)	Eval. of Research
	()			
	Values, autonomy, and responsibility			
3.1	Collaborate effectively and lead diverse teams to complete tasks responsibly and constructively. (V2-c)	**V2**	Collaborative L. (Teamwork Research)	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	Design standards for hotels	2
2	Healthcare buildings - Part 1	2
3	Healthcare buildings - Part 2	2
4	Healthcare buildings - Part 3	2
5	Healthcare buildings - Part 4	2
6	Design standards for office buildings	2
7	Design standards for museums	2
8	Design standards for theaters and concert halls	2
9	Design standards for aquariums and zoos	2
10	Design standards for research centers	2
11	Design standards for stadiums	2
12	Design standards for city halls and courthouses	2
13	Design standards for terminals: Introduction to airports	2
14	Design standards for technical services	2
15	Design standards for multistory parking	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research)	14	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Neufert, E. et al. (2023). Architects' Data. Wiley-Blackwell.
	De Chiara, J., & De Chiara, J. (2001). Time-saver standards for building types. McGraw-Hill.
Supportive References	Mcdonough, B. (2001). Building Type Basics for Hospitality Facilities. New York, Wiley.
	Rosenblatt, A. (2001). Building type basics for museums. J. Wiley & Sons.
	Watch, D. (2008). Building Type Basics for Research Laboratories. Hoboken, N.J., Wiley.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Abdullah Saeed Karban	**Ahmed M. A. Shehata**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Principles of Statistics for Architects**
Course Code:	**MTH1681**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* AR7 0

Table of Contents:

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B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

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D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track		Supporting	●
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 4 Level 7

4. Course general description:

This course introduces architects to fundamental concepts and techniques in statistics, providing essential tools for data analysis and interpretation in architectural and urban practice. Focusing on descriptive statistics and basic probability theory, the course equips students with the skills to analyze data, identify trends, and make informed, evidence-based decisions.

5. Pre-requirements for this course (if any):

None

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to help students understand mathematical concepts and statistical methods relevant to the built environment. Students will learn to apply quantitative techniques to analyze and process data effectively. The course also emphasizes persistence and a commitment to achieving excellence in mastering statistical tools for architectural analysis and decision-making.

2. Teaching mode

(Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of mathematical concepts relevant to the built environment. (K4-a)	**K4**	Direct Learning (Lecture)	Written Assgs./ Exams
	Skills			
2.1	Use mathematical operations and quantitative methods to process data and information. (S7-a)	**S7**	Indirect L. (Problems solving)	Written Exam
	()			
	Values, autonomy, and responsibility			
3.1	Demonstrate persistence on achievement and distinction. (V2-d)	**V2**	Self–Learning	Assignments & Tasks

C. Course Content

No	List of Topics	Contact
1	Definition and general view of statistics	2
2	Organization and presentation of statistical data	2
3	Measures of central tendency (Mean, Median, Mode) of the simple data and the frequency distributio	2
4	Measures of dispersion (The Range – The Variance and the standard deviation) of the simple data a	2
5	Measures of dispersion (Coefficient of variation) of the simple data and the frequency distribution	2
6	Moments and Measure of Skewness and Kurtosis	2
7	Correlation measures	2
8	Simple Linear regression 1	2
9	Simple Linear regression 2	2
10	Sample space and Events	2
11	Counting Techniques (Fundamental basics, Addition Rule)	2
12	Counting Techniques (Multiplication Rule- Permutation and Combinations)	2
13	Definition of the probability and its applications	2
14	Conditional probability - Independence of events and Bayes theorem and its applications 1	2
15	Conditional probability - Independence of events and Bayes theorem and its applications 2	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Written Assgs./ Exams, Assignments & Tasks)	1 to 15	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Bluman, A. G. (2010). Elementary Statistics. A Brief Version : [a Step by Step Approach]. Boston, Ma, Mcgraw-Hill.
	0
Supportive References	
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

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Items	Resources
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Bachelor of Architecture and Planning Program

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Architecture Track

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Urban Design Track

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	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

توصيف المقرر الدراسي

(بكالوريوس)

اسم المقرر: الأسرة في الإسلام (الثقافة الإسلامية2)
رمز المقرر: ICC4202
البرنامج: البكالوريوس
القسم العلمي: الدعوة والثقافة الإسلامية
الكلية: الدعوة وأصول الدين
المؤسسة: جامعة أم القرى
نسخة التوصيف: 1
تاريخ آخر مراجعة: 1446/7/12هـ

HA

جدول المحتويات

أ. معلومات عامة عن المقرر الدراسي: 3
ب. نواتج التعلم للمقرر واستراتيجيات تدريسها وطرق تقييمها: 4
ج. موضوعات المقرر 5
د. أنشطة تقييم الطلبة 6
هـ. مصادر التعلم والمرافق: 6
و. تقويم جودة المقرر: 7
ز. اعتماد التوصيف: 7

أ. معلومات عامة عن المقرر الدراسي:

1. التعريف بالمقرر الدراسي

1. الساعات المعتمدة: (2)					
2. نوع المقرر					
أ -	☒ متطلب جامعة	☐ متطلب كلية	☐ متطلب تخصص	☐ متطلب مسار	☐ أخرى
ب -	☒ إجباري	☐ اختياري			
3. السنة / المستوى الذي يقدم فيه المقرر: (السنة الرابعة، الفصل الثاني)					
4. الوصف العام للمقرر					
يقدم هذا المقرر مادة علمية تأصيلية يبين فيها أهمية الأسرة، من حيث مفهومها، ومكانتها، ومقاصد بنائها، وهدي الإسلام في حل المشكلات والتعامل معها، وكما يقدم دراسة تحليلية لأسرتي خليلي الرحمن: إبراهيم ومحمد عليهما الصلاة والسلام.					
5- المتطلبات السابقة لهذا المقرر (إن وجدت)					
مقرر القيم والأخلاق (الثقافة الإسلامية1)					
6- المتطلبات المتزامنة مع هذا المقرر (إن وجدت)					
لا يوجد					
7. الهدف الرئيس للمقرر					
التعرف على أهمية الأسرة ومكانتها، ومراحل تكوينها، والحقوق داخلها، وبيان وسطية الإسلام في تعزيز بناء الأسرة وحمايتها.					

2. نمط التعليم (اختر كل ما ينطبق)

م	نمط التعليم	عدد الساعات التدريسية	النسبة
1	تعليم التقليدي	-	-
2	التعليم الإلكتروني	-	-
3	التعليم المدمج • التعليم التقليدي • التعليم الإلكتروني	-	-

م	نمط التعليم	عدد الساعات التدريسية	النسبة
4	التعليم عن بعد	30	%100

3. الساعات التدريسية (على مستوى الفصل الدراسي)

م	النشاط	ساعات التعلم	النسبة
1	محاضرات	30	%100
2	معمل أو إستوديو	-	-
3	ميداني	-	-
4	دروس إضافية	-	-
5	أخرى	-	-
	الإجمالي	30	%100

ب. نواتج التعلم للمقرر واستراتيجيات تدريسها وطرق تقييمها:

الرمز	نواتج التعلم	رمز ناتج التعلم المرتبط بالبرنامج	استراتيجيات التدريس	طرق التقييم
1.0	المعرفة والفهم			
1.1	يتعرف على مفهوم الأسرة ومكانتها في الإسلام	K1	المحاضرات والمناقشات	الاختبارات التحريرية والشفوية. وأوراق عمل
1.2	يدرك أهمية الأسرة في الإسلام وخصائصها وتميزها	K1	التعلم الذاتي ربط الطالب بالمراجع الأساسية والمساندة في معرفة هذه المفردات تكليف الطالب بعمل بحث أو ورقة عمل	الاختبارات التحريرية والشفوية. عرض البحوث والمناقشة
1.3	يتعرف على مراحل تكوين الأسرة	K1	المحاضرات والمناقشات ربط الطالب بالمراجع الأساسية والمساندة في معرفة هذه المفردات	الاختبارات التحريرية والشفوية. وأوراق عمل
1.4	يذكر الحقوق والواجبات بين أفراد الأسرة	V1	الاستقراء والعصف الذهني المحاضرات والمناقشات	الاختبارات التحريرية والشفوية.
2.0	المهارات			
2.1	يشرح أهم الشبه المثارة على نظام الأسرة في الإسلام وكيفية الرد عليها	S1	العصف الذهني الحوار والمناقشة زيارة بعض المواقع الالكترونية التي تعتني بهذا الموضوع	التقييم الجماعي أوراق عمل

الرمز	نواتج التعلم	رمز ناتج التعلم المرتبط بالبرنامج	استراتيجيات التدريس	طرق التقييم
2.2	يقارن بين الأسرة المستقرة والأسرة التي تعاني من التفكك	S1	التعليم التعاوني الحوار والمناقشة	الملاحظة المباشرة والتقييم الجماعي
2.3	يحرر أسباب الخلافات الأسرية ومنهج التعامل معها.	S1	التعليم النشط ربط الطالب بالمراجع الأساسية والمساندة في معرفة هذه المفردات	الملاحظة المستمرة تقييم الأبحاث
3.0	القيم والاستقلالية والمسؤولية			
3.1	يشارك باستقلال ومسؤولية في الأعمال والتكاليف الجماعية في المقرر	V4	التعلم التعاوني التكليف بأبحاث وواجبات وأوراق عمل	الملاحظة المستمرة وقويم الأداء وتقييم الأبحاث
3.2	أن يتحلى بعلاقات ناجحة داخل الأسرة وفي المجتمع.	S3	التعلم التعاوني	الملاحظة المستمرة والتقييم الجماعي
3.3	أن يسهم في حماية القيم من القيم الأسرية وصيانتها من الخلل.	V1	التعليم التعاوني من خلال التكليف بواجبات وأبحاث وأنشطة جماعية	تقييم الأبحاث الملاحظة المباشرة لسلوك الطلاب وتوجهاتهم

ج. موضوعات المقرر

م	قائمة الموضوعات	الساعات التدريسية المتوقعة
1	**مفهوم الأسرة، وأهميتها، ومقاصدها:** يدرس الطالب في هذه المفردة مفهوم الأسرة، وأهميتها، ومقاصد بنائها من حيث كونها اللبنة الأولى التي تنشأ فيها الأجيال. ومقارنة الأسرة في الإسلام وتميزها عن الأسرة في باقي الثقافات.	4
2	**مراحل تكوين الأسرة:** تتطرق هذه المفردة إلى بيان مراحل تكوين الأسرة، من فترة البدء في فكرة الزواج، وحتى تكوين الأسرة بأفرادها: من زوج وزوجة وأبناء	4
3	**الواجبات والحقوق بين الزوجين:** يدرس الطالب في هذه المفردة التعريف بأهم الواجبات والحقوق بين الزوجين، سواء الحقوق المفردة أو المشتركة بينهما.	2
4	**الواجبات والحقوق بين أفراد الأسرة (الإباء، الأبناء، الأرحام):** يدرس الطالب في هذه المفردة التعريف بأهم الواجبات والحقوق بين أفراد الأسرة الواحدة: حقوق الآباء على الأبناء، وحقوق الأبناء على الآباء، والحقوق بين الأقارب والأرحام.	4

5	**مظاهر وأسباب المشكلات الأسرية** تتطرق هذه المفردة إلى المشكلات الأسرية، من حيث: تعريفها، وأمثلة عليها، ومظاهرها، وأسبابها.	2
6	**منهج الإسلام في التعامل مع المشكلات الأسرية** في هذه المفردة سيتعلم الطالب منهج الإسلام في علاج الخلافات الأسرية وفق المنهج الرباني. وكذلك التعرف على حالات الانفصال بين الزوجين وأحكامها في الإسلام.	4
7	**دراسة تحليلية لأسرة خليل الرحمن إبراهيم عليه السلام،** تعنى هذه المفردة بدراسة تحليلية لسيرة خليل الرحمن إبراهيم عليه السلام، ونماذج من سيرته الأسرية، كقصة إبراهيم عليه الصلاة والسلام مع ساره وهاجر، ومع إسماعيل عليه السلام، وبناء الكعبة. كما تتطرق المفردة إلى كيفية تحليل النص وتطبيقه في حياته الأسرية والاجتماعية.	4
8	**دراسة تحليلية لأسرة نبينا محمد ﷺ:** تعنى هذه المفردة بدراسة تحليلية لسيرة نبينا المصطفى صلى الله عليه وسلم، ونماذج من سيرته الأسرية، كقصة حادثة الإفك التي حدثت لبيت النبي صلى الله عليه وسلم. كما تتطرق المفردة إلى كيفية تحليل النص وتطبيقه في حياته الأسرية والاجتماعية.	4
9	**دراسة تحليلية لمجتمع النبي ﷺ في المدينة:** يدرس الطالب في هذه المفردة مجتمع النبي صلى الله عليه وسلم، ومكوناته، ويتعرف على خصائص مجتمع الصحابة رضي الله عنهم.	2
المجموع		30

د. أنشطة تقييم الطلبة

م	أنشطة التقييم	توقيت التقييم (بالأسبوع)	النسبة من إجمالي درجة التقييم
1	الاختبار (النصفي)	منتصف الفصل	20%
2	الاختبار النهائي	نهاية الفصل	60%
3	التقويم المستمر (المشاركة، الواجبات، الأبحاث، ..)	كل أسابيع الدراسة	10%
...	الملاحظة وتقويم الأداء	خلال أسابيع الدراسة	10 %

أنشطة التقييم (اختبار تحريري، شفهي، عرض تقديمي، مشروع جماعي، ورقة عمل وغيره).

هـ. مصادر التعلم والمرافق:

1. قائمة المراجع ومصادر التعلم:

المرجع الرئيس للمقرر	كتاب الأسرة في الإسلام (الثقافة الإسلامية2)، تأليف قسم الدعوة والثقافة الإسلامية
المراجع المساندة	1-السيرة النبوية لابن هشام. 2-زاد المعاد في هدي خير العباد لابن قيم الجوزية. 3-كتاب النكاح من خلال كتب السنة وشروحها. 4- تحفة المودود بأحكام المولود لابن قيم الجوزية.

المصادر الإلكترونية	المكتبة الرقمية السعودية
أخرى	

2. المرافق والتجهيزات المطلوبة:

العناصر	متطلبات المقرر
المرافق النوعية (القاعات الدراسية، المختبرات، قاعات العرض، قاعات المحاكاة ... إلخ)	القاعات الدراسية ومعامل الكمبيوتر
التجهيزات التقنية (جهاز عرض البيانات، السبورة الذكية، البرمجيات)	أجهزة حاسوب، اتصال بالانترنت، نظام إدارة التعلم Blackboard
تجهيزات أخرى (تبعاً لطبيعة التخصص)	-

و. تقويم جودة المقرر:

مجالات التقويم	المقيمون	طرق التقييم
فاعلية التدريس	الطلاب، مدرس المقرر	غير مباشرة: عن طريق تحليل نتائج استبانة تقييم الطلاب لعضو هيئة التدريس
فاعلية طرق تقييم الطلاب	مدرس المقرر	غير مباشرة: عن طريق تحليل استبانة تقييم الطلاب للمقرر
مصادر التعلم	مدرس المقرر والطلاب	غير مباشرة: عن طريق تحليل نتائج استبانة تقييم المصادر
مدى تحصيل مخرجات التعلم للمقرر	مدرس المقرر	مباشرة: عن طريق قياس نواتج تعلم المقرر
أخرى		

المقيمون (الطلبة، أعضاء هيئة التدريس، قيادات البرنامج، المراجع النظير، أخرى (يتم تحديدها).

طرق التقييم (مباشر وغير مباشر).

ز. اعتماد التوصيف:

جهة الاعتماد	مجلس قسم الدعوة والثقافة الإسلامية
رقم الجلسة	
تاريخ الجلسة	

Architecture Track

Electives

Course Specification
(Bachelor)

Course Title:	**Architecture of the Two Holy Mosques**
Course Code:	**ARC 4213**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* AR25-e ** Elective Course 1: Architecture Courses Group: Arc. Hist. & Th.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required		Elective	●						

3. Year/ level at which this course is offered: Year 4 Level 7

4. Course general description:

This course focuses on the historical establishment and Saudi expansions of Al Masjid al-Haram and the Prophet's Mosque, examining their role in shaping the urban fabric of Makkah and Madinah and their significant impacts on the surrounding urban environments. Topics include the architectural, social, and cultural effects of these expansions, as well as critical issues related to crowd management, and security and safety within these sacred spaces.

5. Pre-requirements for this course (if any):

ARC 3005	Long-Span Buildings Design Studio	Year: 3	Level: 6

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to deepen students' understanding of the architectural and urban transformations of the Two Holy Mosques, focusing on their historical and modern expansions. The course encourages independent inquiry and the application of architectural principles to contemporary challenges in sacred architecture. It also fosters collaboration, communication, and leadership skills.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of theories of the built environment. (K1-f)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
	Skills			
2.1	Analyze the Islamic values that shape human and built environments. (S2-a)	**S2**	Collaborative L. (Teamwork Research)	Eval. of Research
2.2	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning	Eval. of Research
2.3	Effectively engage in communication with others. (S5-a)	**S5**	Self–Learning (Research work)	Eval. of Presentation
	()			
	Values, autonomy, and responsibility			
3.1	Collaborate effectively and lead diverse teams to complete tasks responsibly and constructively. (V2-c)	**V2**	Collaborative L. (Teamwork Research)	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	The Planning and Design Criteria of Mosque Architecture	2
2	Establishment of Al Masjid Al Haram	2
3	Effect of Al Masjid Al Haram on urban surrounding before the Saudi Extensions	2
4	The Saudi Expansions for Al Masjid Al Haram	2
5	The Architectural and Aesthetic Features of the Last Expansion	2
6	The Technical and Environmental Aspects of the Last Expansion	2
7	Security, Safety and Crowd Management in Al Masjid Al Haram	2
8	Establishment of the Prophet Mosque in Madina	2
9	Effect of the Prophet Mosque on Urban Surrounding Before the Saudi Extensions	2
10	The Saudi Expansions of the Prophet Mosque	2
11	The Architectural and Aesthetic Features of the Last Expansion	2
12	The Technical and Environmental Aspects of the Last Expansion	2
13	Security, Safety and Crowd Management	2
14	Proposals to Facilitate Worshipping in the Two Holy Mosques	2
15	Research presentation	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research, Eval. of Presentation)	1 to 15	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Ministry of Information. (1992). The two Holy Mosques and their Arch. During the Saudi Reign.
	KSU. (1999). Proceedings of the Symposium on Mosque Arch.: The architecture of the two holy mosques.
Supportive References	Adawi, N. (1994). The Two Holy Mosques in Saudi Arabia. Gulf Centre for Strategic Studies.
	Darus Salam. (2011). Islamic Album Galleries of the Two Holy Mosques.
	الهيئة الملكية لمدينة مكة المكرمة والمشاعر المقدسة. (2023). الهوية المعمارية لمدينة مكة المكرمة.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Internet connection
	Powerful computer/ laptop
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Naif Sultan Alaboud	**Mohamed Wahba Ibrahim Khalil**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Islamic Values in Architecture**
Course Code:	**ARC 4211**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* AR23-e ** Elective Course 1: Architecture Courses Group: Arc. Hist. & Th.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required		Elective	●						

3. Year/ level at which this course is offered: Year 4 Level 7

4. Course general description:

This course examines how Islamic teachings, rooted in principles such as privacy, humility, and hospitality, have historically shaped the design of Muslim's built environments and regulated spatial and social behaviors. By reviewing architectural features across various cities, in addition to their adaptation to diverse environments, the course highlights the enduring role of religious values as pillars of Islamic architecture. Students will explore how these principles can guide contemporary design practices to preserve local identity while meeting modern societal needs

5. Pre-requirements for this course (if any):

ARC 3005	Long-Span Buildings Design Studio	Year: 3	Level: 6

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to deepen students' understanding of how Islamic values influence the design and organization of built environments. Students will analyze the application of these principles in various architectural contexts, from city planning to mosque and home design. The course fosters independent research skills and encourages students to effectively communicate and collaborate with others. It also emphasizes leadership and responsibility in integrating Islamic values into contemporary architectural practices.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of theories of the built environment. (K1-f)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
	Skills			
2.1	Analyze the Islamic values that shape human and built environments. (S2-a)	**S2**	Collaborative L. (Teamwork Research)	Eval. of Research
2.2	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning	Eval. of Research
2.3	Effectively engage in communication with others. (S5-a)	**S5**	Self–Learning (Research work)	Eval. of Presentation
	()			
	Values, autonomy, and responsibility			
3.1	Collaborate effectively and lead diverse teams to complete tasks responsibly and constructively. (V2-c)	**V2**	Collaborative L. (Teamwork Research)	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	Introduction to Urban Legislation	2
2	Islamic Values in City Planning and Design	2
3	Aspects of Applying Islamic Legislation in City Planning and Design 1	2
4	Aspects of Applying Islamic Legislation in City Planning and Design 2	2
5	Aspects of Applying Islamic legislation in the Design of Mosques 1	2
6	Aspects of Applying Islamic legislation in the Design of Mosques 2	2
7	Aspects of Applying Islamic legislation in the Design of Houses 1	2
8	Aspects of Applying Islamic legislation in the Design of Houses 2	2
9	Aspects of Applying Islamic legislation in the Design of Markets 1	2
10	Aspects of Applying Islamic legislation in the Design of Markets 2	2
11	Aspects of Applying Islamic legislation in the Design of Schools and Hospitals	2
12	Contemporary urban legislation in the Kingdom	2
13	Evaluation of the impact of legislation on contemporary Saudi urbanism 1	2
14	Evaluation of the impact of legislation on contemporary Saudi urbanism 2	2
15	Research presentation	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research, Eval. of Presentation)	1 to 15	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	الهذلول، ص. (2010). المدينة العربية الإسلامية- أثر التشريع في تكوين البيئة العمرانية. سلسلة علوم العمران.
	عثمان، م. (2020). المدينة الإسلامية. دار الآفاق العربية.
Supportive References	إبراهيم، عبد الباقى. أسس التصميم المعمارى والتخطيط الحضرى فى العصور الإسلامية. مرآز الدراسات التخطيطية والمعمارية .
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Internet connection
	Powerful computer/ laptop
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Naif Sultan Alaboud	**Mohamed Wahba Ibrahim Khalil**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Islamic Identity in Contemporary Architecture**
Course Code:	**ARC 4214**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* AR26-e ** Elective Course 1: Architecture Courses Group: Arc. Hist. & Th.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required		Elective	●						

3. Year/ level at which this course is offered: Year 4 Level 7

4. Course general description:

This course examines the recent development of architecture with Islamic identity, focusing on how Islamic principles and traditions are interpreted in modern architectural design. Students will explore the challenges and opportunities architects face in creating buildings that authentically reflect Islamic identity while addressing contemporary needs and contexts. The course emphasizes the balance between tradition and innovation, providing insights into how architecture with Islamic identity evolves in today's globalized world.

5. Pre-requirements for this course (if any):

ARC 3005	Long-Span Buildings Design Studio	Year: 3	Level: 6

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to equip students with an understanding of how Islamic values and design principles shape contemporary architecture. Students will analyze the challenges architects face in balancing Islamic identity with modern needs, focusing on sustainability and innovation. The course encourages independent research and the application of theoretical knowledge to practical design challenges. It also fosters collaboration, communication, and leadership skills.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of theories of the built environment. (K1-f)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
	Skills			
2.1	Analyze the Islamic values that shape human and built environments. (S2-a)	**S2**	Collaborative L. (Teamwork Research)	Eval. of Research
2.2	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning	Eval. of Research
2.3	Effectively engage in communication with others. (S5-a)	**S5**	Self–Learning (Research work)	Eval. of Presentation
	()			
	Values, autonomy, and responsibility			
3.1	Collaborate effectively and lead diverse teams to complete tasks responsibly and constructively. (V2-c)	**V2**	Collaborative L. (Teamwork Research)	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	Introduction to Islamic identity	2
2	Design principles of Islamic architecture 1	2
3	Design principles of Islamic architecture 2	2
4	Challenges in reflecting Islamic identity in contemporary buildings	2
5	Sustainability in Islamic architecture (Environmental)	2
6	Sustainability in Islamic architecture (Social)	2
7	Sustainability in Islamic architecture (Economic)	2
8	Examples of Islamic identity in modern architecture 1	2
9	Examples of Islamic identity in modern architecture 2	2
10	Examples of Islamic identity in modern architecture 3	2
11	Examples of Islamic identity in modern architecture 4	2
12	Innovations in Islamic architecture 1	2
13	Innovations in Islamic architecture 2	2
14	Innovations in Islamic architecture 3	2
15	Research presentation	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research, Eval. of Presentation)	1 to 15	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	الهذلول، ص (2010). المدينة العربية الإسلامية. الجمعية السعودية لعلوم العمران.
	Waziri, Y. (2024). The influence of Islamic Heritage on contemporary Architecture. Scholars' Press.
Supportive References	فريد، أ. (1986). القيم الاسلامية في العمران المعاصر.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Internet connection
	Powerful computer/ laptop
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Naif Sultan Alaboud	**Mohamed Wahba Ibrahim Khalil**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Saudi Regional Architectural Identity**
Course Code:	**ARC 4212**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* AR24-e ** Elective Course 1: Architecture Courses Group: Arc. Hist. & Th.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required		Elective	●						

3. Year/ level at which this course is offered: Year 4 Level 7

4. Course general description:

This course delves into Architectural Identities of KAS and the King Salman Charter for Architecture and Urbanism, which provide a strategic framework for the future of architecture and urbanization in Saudi Arabia. It emphasizes a design methodology that respects the nation's rich history and cultural heritage while offering practical guidance for decision-makers and specialists. Students will explore how to shape contemporary architectural practice, ensuring a balance between tradition and modernity in urban and architecture development.

5. Pre-requirements for this course (if any):

ARC 3005 Long-Span Buildings Design Studio Year: 3 Level: 6

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

The course aims at the students to explore how the King Salman Charter guides architecture and urban design to enhance quality of life. It will focus on the values inspired by King Salman's journey in Riyadh, integrating them into a human-centric urban design charter. The course will also demonstrate how these values influence the design process, ensuring the outcome is meaningful for its community.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of theories of the built environment. (K1-f)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
	Skills			
2.1	Analyze the Islamic values that shape human and built environments. (S2-a)	**S2**	Collaborative L. (Teamwork Research)	Eval. of Research
2.2	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning	Eval. of Research
2.3	Effectively engage in communication with others. (S5-a)	**S5**	Self–Learning (Research work)	Eval. of Presentation
	()			
	Values, autonomy, and responsibility			
3.1	Collaborate effectively and lead diverse teams to complete tasks responsibly and constructively. (V2-c)	**V2**	Collaborative L. (Teamwork Research)	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	Introduction to King Salman Charter for Architecture and Urbanism	2
2	The Charter's Activation Strategy	2
3	Physical and Natural Design	2
4	Society and Culture-Friendly Design	2
5	Sensory and Experiential Design	2
6	Implementation stages	2
7	Examples of Contemporary Projects adopting the Charter Values	2
8	Architectural Identities: Northern, Eastern and Central Najdi	2
9	Architectural Identities: Madinah Rural and Inner Madinah, and Tabuk Coast	2
10	Architectural Identities: Makkah, Hejazi Coast and Taif Highland	2
11	Architectural Identities: Sarawat Mountains and Aseer Escarpment	2
12	Architectural Identities: Tuhama Foothills and Coast, and Farasan Islands	2
13	Architectural Identities: Abha Highland, Bisha Desert and Najran	2
14	Architectural Identities: Al Qatif and Al Ahsa Oasis, and East Coast	2
15	Research Presentation	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research, Eval. of Presentation)	1 to 15	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Architecture and Design Commision. (2022). King Salman Charter for Architecture & Urbanism.
	Development Authorities Support Center. (2022). Architecture Identities of KSA.
Supportive References	الهيئة الملكية لمدينة مكة المكرمة والمشاعر المقدسة. (2023). الهوية المعمارية لمدينة مكة المكرمة.
	Hernandez, S. (2022). Islamic Heritage Architecture IV. WIT Press
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Internet connection
	Powerful computer/ laptop
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Naif Sultan Alaboud	**Mohamed Wahba Ibrahim Khalil**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Level [8]

Course Specification
(Bachelor)

Course Title:	**Professional Practice Studio**
Course Code:	**ARC 4007**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* AR8

Courses Group: Des. Proc.

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A. General Information about the course 3

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C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	5 Cr. Hrs.	**Contact hours:**	10 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 4 Level 8

4. Course general description:

This studio focuses on designing a real project, reinforcing the fundamentals of architectural professional practice. Students will build upon the values, knowledge, and skills acquired in previous courses, applying them creatively to various development phases of the project. The project's location will be determined in coordination with relevant public or private sector authorities or by the studio coordinator, ensuring a practical and contextually relevant design experience.

5. Pre-requirements for this course (if any):

ARC 4006	Heritage Buildings Conservation Studio	Year: 4	Level: 7

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to equip students with the knowledge and skills needed to define functional requirements and relationships across various sectors of the built environment. Students will gain an understanding of the laws, regulations, and policies that govern architectural practice and the built environment. They will develop the ability to tackle complex design challenges, creating innovative concepts while applying design theories and methods. The course emphasizes the effective use of digital tools throughout the design process, encouraging active participation in addressing built environment issues. Additionally, students will learn to manage projects efficiently, working under pressure and meeting deadlines.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	10	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	0
2	Practical	0
3	Studio	150
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**150**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Define functional requirements and relationships for different sectors of the built environment. (K1-b)	**K1**	Collaborative L. (Teamwork Research)	Eval. of Research
1.2	Identify the relevant laws, rules and legislations that regulate the built environment. (K3-b)	**K3**	Collaborative L. (Teamwork Research)	Eval. of Research
	Skills			
2.1	Solve complicated problems associated with the built environment. (S1-b)	**S1**	Self–Learning	Eval. of Project(s)
2.2	Create innovative concepts and forms for the built environment. (S1-c)	**S1**	Self–Learning	Eval. of Project(s)
2.3	Apply the theories and methods of designing the built environment. (S1-d)	**S1**	Self–Learning	Eval. of Project(s)
2.4	Effectively use digital skills throughout the design process of the built environment. (S6-a)	**S6**	Self–Learning	Eval. of Project(s)
	()			
	Values, autonomy, and responsibility			
3.1	Contribute actively to addressing challenges related to the built environment. (V2-a)	**V2**	Self–Learning	Eval. of Project(s)
3.2	Mange and complete tasks efficiently under pressure and within deadlines. (V3-a)	**V3**	Self–Learning	Assignments & Tasks

C. Course Content

No	List of Topics	Contact
1	Defining project program and identify the relevant laws, rules and legislations	10
2	Analysis of similar projects; and site analysis	10
3	Preliminary study of the project and its components	10
4	Development of plans and structure system -Part 1	10
5	Development of plans and structure system -Part 2	10
6	Development of plans and structure system -Part 3	10
7	Development of plans and structure system -Part 4	10
8	Development of sections and elevations -Part 1	10
9	Development of sections and elevations -Part 2	10
10	Development of sections and elevations -Part 3	10
11	Perspectives	10
12	Full project development -Part 1	10
13	Full project development -Part 2	10
14	Full project development -Part 3	10
15	Full project development -Part 4	10
	Total	150

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	Cont. Assess. (Eval. of Research, Eval. of Project(s), Assignments & Tasks)	1 to 15	70
2	Mid-Term Exam (Drawing Exam)	7	10
3	Final Submission (Final Project Oral Exam)	16	20

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Neufert, E. et al. (2023). Architects' Data. Wiley-Blackwell.
	Watson, D., & Crosbie, M. (2005). Time-saver standards for architectural design. McGraw-Hill.
Supportive References	De Chiara, J., & De Chiara, J. (2001). Time-saver standards for building types. McGraw-Hill.
	Baker, G. (2006). Design strategies in architecture. Routledge.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Studio
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Abdullah Saeed Karban	**Ahmed M. A. Shehata**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Working Drawings Studio 2**
Course Code:	**ARC 4307**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* AR9

Courses Group: Constr. & Bldg. Syst.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	3 Cr. Hrs.	**Contact hours:**	6 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 4 Level 8

4. Course general description:

This studio focuses on the preparation of quantities and specifications for architectural projects. Students will learn methods for writing construction specifications, with an emphasis on using industry standards and master guides, particularly Saudi Building Code. The studio also covers techniques for calculating material quantities. Students will apply these concepts to a small administrative building project previously developed in "Execution Design Studio 1" reinforcing practical skills in construction documentation.

5. Pre-requirements for this course (if any):

ARC 4306	Working Drawings Studio 1	Year: 4	Level: 7

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to equip students with a deep understanding of the preparation of quantities and specifications. Students will learn to accurately measure and quantify building elements, apply appropriate mathematical methods for data processing, and develop precise specifications for construction projects. The course also emphasizes the ability to apply knowledge of structural systems and materials in the preparation of accurate and comprehensive documents. Additionally, students will enhance their collaboration and leadership skills, working effectively within teams to complete tasks responsibly and efficiently.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	6	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	0
2	Practical	0
3	Studio	90
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**90**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of building materials and structure systems. (K2-a)	**K2**	Collaborative L. (Teamwork Research)	Eval. of Research
1.2	Demonstrate an understanding of the construction process. (K2-d)	**K2**	Collaborative L. (Teamwork Research)	Eval. of Research
1.3	Demonstrate an understanding of mathematical concepts relevant to the built environment. (K4-a)	**K4**	Direct Learning (Lecture)	Eval. of Report
	Skills			
2.1	Apply knowledge of structural systems and materials selection. (S1-e)	**S1**	Self–Learning	Eval. of Report
2.2	Use mathematical operations and quantitative methods to process data and information. (S7-a)	**S7**	Self–Learning	Eval. of Report
	()			
	Values, autonomy, and responsibility			
3.1	Collaborate effectively and lead diverse teams to complete tasks responsibly and constructively. (V2-c)	**V2**	Collaborative L. (Teamwork Research)	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	Project contracting documents and methodologies of quantity surveying	6
2	Review of the project previously developed in "Execution Design Studio 1"	6
3	Excavation and Backfilling Works	6
4	Plain Concrete Works	6
5	Reinforced Concrete Works (Foundations and Columns)	6
6	Reinforced Concrete Works (Slabs and Beams)	6
7	Staircase Works	6
8	Masonry Works	6
9	Insulation Works	6
10	Carpentry Works	6
11	Plastering and Painting Works	6
12	Cladding and Flooring Works	6
13	Electromichanical Works	6
14	Plumbing and Sanitary Works	6
15	Landscape Works	6
	Total	90

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	Cont. Assess. (Eval. of Research, Eval. of Report)	1 to 15	60
2	Mid-Term Exam (Written and Drawing Exam)	7	20
3	Final Submission of the Project	16	20

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Kalin, M., and Rosen, H.. (2010). Construction Specifications Writing. John Wiley & Sons
	المؤسسة العامة للتدريب التقني والمهني. (2008). تخصص التقنية المعمارية، كميات ومواصفات.
Supportive References	Dutta, B.N. (2021). Estimating and Costing in Civil Engineering. CBS Publishers & Distributors Pvt Limited.
	CSI. (2021). Construction Specifications. The Csi Construction Specifications Practice Guide. Wiley,
	Cartlidge, D. (2022). Quantity Surveyor's Pocket Book. Routledge.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Studio
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Abdullah Saeed Karban	**Mohamed Atef Elhamy Kamel**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission

اعتماد
NCAAA

2024
TP-153

Course Specification
(Bachelor)

Course Title:	**Integrated Architectural Design Studio 1**
Course Code:	**ARC 4008**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* AR10

Courses Group: Des. Proc.

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A. General Information about the course 3

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B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	4 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 4 Level 8

4. Course general description:

This studio serves as an introduction to the "Integrated Architectural Design Studio 2", guiding students in selecting a project title that aligns with their design approach. The course enables students to choose and analyze the appropriate site, create a detailed space program, and define planning and design standards for the selected project. Moreover, students will learn to develop a project methodology by analyzing similar local, regional, and international projects. A comprehensive and well-written report on the cited studies and the main design concept are required as the primary deliverables for this course.

5. Pre-requirements for this course (if any):

ARC 4006	Heritage Buildings Conservation Studio	Year: 4	Level: 7
ARC 4011	Buildings Design Standards 2	Year: 4	Level: 7

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to help students define the functional requirements and relationships across various sectors of the built environment, considering both practical and environmental factors. Students will gain an understanding of the laws, rules, and regulations that govern architectural design and its impact on the built environment. They will be encouraged to make informed design decisions that balance user needs with environmental considerations, applying relevant theories and methods throughout the design process. Additionally, students will analyze key factors shaping the built environment and actively contribute to addressing contemporary architectural challenges.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	4	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	0
2	Practical	0
3	Studio	60
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**60**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Define functional requirements and relationships for different sectors of the built environment. (K1-b)	**K1**	Interactive L. (Dialogue & discussion)	Eval. of Report
1.2	Identify the relevant laws, rules and legislations that regulate the built environment. (K3-b)	**K3**	Self–Learning	Eval. of Report
	Skills			
2.1	Make design decisions considering user requirements and various environmental impacts. (S1-a)	**S1**	Self–Learning	Eval. of Project(s)
2.2	Apply the theories and methods of designing the built environment. (S1-d)	**S1**	Self–Learning	Eval. of Project(s)
2.3	Analyze factors shaping and influencing the built environment. (S1-l)	**S1**	Self–Learning	Eval. of Report
	()			
	Values, autonomy, and responsibility			
3.1	Contribute actively to addressing challenges related to the built environment. (V2-a)	**V2**	Self–Learning	Eval. of Report

C. Course Content

No	List of Topics	Contact
1	Criteria of selecting the graduation project	4
2	Analyses of previous similar projects - Part 1	4
3	Analyses of previous similar projects - Part 2	4
4	Specifying and selecting the appropriate site	4
5	Site analysis 1	4
6	Site analysis 2	4
7	Defining the project program	4
8	Development of the project program details	4
9	Defining planning and design standards, laws, rules and legislations	4
10	Developing the first concept	4
11	Developing the second concept	4
12	Developing the third concept	4
13	Evaluating the concepts based on assessment criteria	4
14	Conceptual design project development - Part 1	4
15	Conceptual design project development - Part 2	4
	Total	60

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	Cont. Assess. (Eval. of Report , Eval. of Project(s))	1 to 15	70
2	Mid-Term Exam (Eval. of Report)	7	10
3	Final Submission of the Project and Report	16	20

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Neufert, E. et al. (2023). Architects' Data. Wiley-Blackwell.
	Watson, D., & Crosbie, M. (2005). Time-saver standards for architectural design. McGraw-Hill.
Supportive References	De Chiara, J., & De Chiara, J. (2001). Time-saver standards for building types. McGraw-Hill.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Studio
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Abdullah Saeed Karban	**Ahmed M. A. Shehata**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Architectural Project Management 1**
Course Code:	**ARC 4503**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* AR11

Courses Group: Prof. Pract. & Train.

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2. Teaching mode 3

3. Credit Hours 4

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C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 4 Level 8

4. Course general description:

This course is designed for undergraduate architecture students and introduces key concepts in construction management. It covers terminology, types of construction projects, and the roles and responsibilities of construction managers. The course provides an overview of contract documents, various construction contracts, and project delivery methods, with a focus on critical path analysis for project planning. Additionally, students will be introduced to computer-based applications used in construction management, enhancing their practical skills in the field.

5. Pre-requirements for this course (if any):

ARC 4006 Heritage Buildings Conservation Studio Year: 4 Level: 7

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to provide students with a strong understanding of construction project management fundamentals. Students will learn to apply project management principles. The course emphasizes the effective use of digital skills to enhance project planning, coordination, and communication. Additionally, students will be encouraged to take responsibility for their ongoing learning and professional development in architectural project management.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of the required knowledge to use software in designing the built environment. (K1-l)	**K1**	Direct Learning (Lecture)	Assignments & Tasks
1.2	Demonstrate an understanding of the fundamentals of project management. (K1-n)	**K1**	Direct Learning (Lecture)	Written Exam
	Skills			
2.1	Utilize project management knowledge. (S1-i)	**S1**	Self–Learning	Assignments & Tasks
2.2	Effectively use digital skills throughout the design process of the built environment. (S6-a)	**S6**	Self–Learning	Assignments & Tasks
	()			
	Values, autonomy, and responsibility			
3.1	Demonstrate responsibility for self-learning and ongoing development. (V2-b)	**V2**	Self–Learning	Assignments & Tasks

C. Course Content

No	List of Topics	Contact
1	Introduction to Construction Project Management	2
2	Construction Projects: A Magnificent Creativity	2
3	Construction Projects: Types and Participants	2
4	Construction Management Process and Tools	2
5	Life Cycle Stages of Projects	2
6	Project Contract Strategy: Objectives and Constraints	2
7	Contractual Relationships and Legal Framework	2
8	Project Delivery Methods: Overview and Selection Criteria	2
9	Design/Construction Interaction	2
10	Planning in Construction Projects: A Challenge	2
11	Planning in Construction Projects: Concepts and Steps	2
12	Critical-Path Analysis for Network Scheduling: Introduction	2
13	Critical-Path Analysis for Network Scheduling: CPM & PDM	2
14	Critical-Path Analysis for Network Scheduling: Manually Solved Examples	2
15	Criticisms to Network Techniques	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Assignments & Tasks)	1 to 15	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Hegazy, T. (2001). Computer-based construction project management. Pearson.
	Sears, K. (2015). Construction Project Management. 6th Edition. John Wiley and Sons.
Supportive References	Liebing, W. (2007). Construction of Architecture: from Design to Built. John Wiley and Sons.
	Oberlender, G. (2022). Project Management for Engineering and Construction. McGraw-Hill.
	Jackson, B. (2020). Construction management jumpstart (3rd ed.). Wiley.
	Project Management Institute. (2021). A Guide to the Project Management Body of Knowledge. PMI.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Abdullah Saeed Karban	**Mohammad Abdullah Almahdi**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Applications of Building Code in Architecture**
Course Code:	**ARC 4309**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* AR13

Courses Group: Constr. & Bldg. Syst.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 4 Level 8

4. Course general description:

This course provides an overview of both local and international building codes and regulations, with a focus on the Saudi Building Code (SBC 201). Students will explore essential topics, gaining an understanding of the regulations and standards required for safe and efficient practices. The course emphasizes the importance of adhering to both local and international guidelines in professional architectural practice in Saudi Arabia.

5. Pre-requirements for this course (if any):

ARC 4006	Heritage Buildings Conservation Studio	Year: 4	Level: 7

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to provide students with a comprehensive understanding of building codes and their applications in architectural design. Students will learn to interpret and apply relevant building codes, regulations, and standards to ensure the safety and sustainability of architectural projects. The course emphasizes the integration of building code compliance throughout the design and construction processes.

2. Teaching mode

(Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Define functional requirements and relationships for different sectors of the built environment. (K1-b)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
1.2	Demonstrate an understanding of building materials and structure systems. (K2-a)	**K2**	Interactive L. (Dialogue & discussion)	Written Exam
1.3	Demonstrate an understanding of technical installations in buildings. (K2-c)	**K2**	Interactive L. (Dialogue & discussion)	Written Exam
1.4	Demonstrate an understanding of the construction process. (K2-d)	**K2**	Interactive L. (Dialogue & discussion)	Written Exam
	Skills			
2.1	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning (Research work)	Eval. of Research
	()			
	Values, autonomy, and responsibility			
3.1	Collaborate effectively and lead diverse teams to complete tasks responsibly and constructively. (V2-c)	**V2**	Self–Learning (Research work)	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	Definition and importance of the International Building Code (IBC)	2
2	The scope of the Saudi Building Code and its applicability	2
3	Classification of establishments according to use and occupancy	2
4	Special detailed requirements based on usage and occupancy - part 1	2
5	Special detailed requirements based on usage and occupancy - part 2	2
6	Fire and smoke protection features	2
7	Fire protection and life safety systems 1	2
8	Fire protection and life safety systems 1	2
9	Means of egress 1	2
10	Means of egress 2	2
11	Plumbing systems	2
12	Electrical and Mechanical systems	2
13	Elevators and conveying systems	2
14	Interior environment 1	2
15	Interior environment 2	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research)	14	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Saudi building code, National committee. (2018). Saudi Building Code: SBC 201.
	International Code Council. (2024). International Building Code. Country Club Hills, Il, International Code Council, Inc.
Supportive References	Ching, D K. (2021). Building Codes Illustrated : A Guide to Understanding the 2021 International Building Code. John Wil
	Ching, D.K. & Winkel, S. R. (2022). Building Codes Illustrated: The Basics. John Wiley & Sons.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Abdullah Saeed Karban	**Mohamed Atef Elhamy Kamel**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Architecture Track

Electives

هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission

اعتماد
NCAAA

2024
TP-153

Course Specification
(Bachelor)

Course Title:	**AI Applications in Architecture**
Course Code:	**ARC 4113**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* AR29-e ** Elective Course 2: Architecture Courses Group: C. Rep. & Vis.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	4 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required		Elective	●						

3. Year/ level at which this course is offered: Year 4 Level 8

4. Course general description:

This course explores the integration of artificial intelligence (AI) into architecture, offering students a comprehensive understanding of AI techniques and their applications across design, planning, and construction processes. Topics also include how AI can enhance creativity, optimize building performance, and streamline workflows. Students will investigate AI-driven tools and technologies, gaining insights into the future potential of AI in revolutionizing architectural practice and shaping the built environment.

5. Pre-requirements for this course (if any):

ARC 4006	Heritage Buildings Conservation Studio	Year: 4	Level: 7

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to introduce students to the applications of artificial intelligence (AI) in architecture. Students will learn how AI can be used to represent and design the built environment, enhancing efficiency and innovation. The course focuses on developing proficiency in AI tools and software relevant to architectural design and construction. Additionally, students will apply digital skills to improve communication and collaboration, while taking responsibility for their ongoing learning and professional development in AI applications.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	4	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	15
2	Practical	45
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**60**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of various ways of representing the built environment. (K1-d)	**K1**	Interactive L. (Dialogue & discussion)	Computer-based Assgs./ Exams
1.2	Demonstrate an understanding of the required knowledge to use software in designing the built environment. (K1-l)	**K1**	Interactive L. (Dialogue & discussion)	Computer-based Assgs./ Exams
	Skills			
2.1	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning	Computer-based Assgs./ Exams
2.2	Effectively apply digital skills to enhance communication. (S5-b)	**S5**	Self–Learning	Computer-based Assgs./ Exams
	()			
	Values, autonomy, and responsibility			
3.1	Mange and complete tasks efficiently under pressure and within deadlines. (V3-a)	**V3**	Self–Learning	Computer-based Assgs./ Exams

C. Course Content

No	List of Topics	Contact
1	Introduction to AI in Architecture	4
2	Ethical and Social Implications of AI in Architecture	4
3	Generative Design in Architecture	4
4	AI in Collaborative Design Workflows	4
5	AI in Education and Training for Architects	4
6	AI in Building Information Modeling (BIM)	4
7	AI in Concept Development	4
8	AI and Parametric Design	4
9	AI for Sustainable Building Design	4
10	Climate-Responsive Design with AI	4
11	Adaptive Facade Design	4
12	AI in Smart Building Design	4
13	AI in Digital Reconstruction and Preservation	4
14	AI and User-Centric Design	4
15	Exploring New AI Applications	4
	Total	60

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	Cont. Assess. (Computer-based Assgs./ Exams)	1 to 15	40
2	Mid-Term Exam (Computer-Based Exam)	7	20
3	Final Exam (Computer-Based Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Current AI apps related to architecture
	0
Supportive References	
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Computer Lab.
Technology equipment (Projector, smart board, software)	Internet connection
	Powerful computer/ laptop
	Applications software
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Naif Sultan Alaboud	**Wajdy Sadagh A. Qattan**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Computer Modeling in Building Construction**
Course Code:	**ARC 4112**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* AR28-e ** Elective Course 2: Architecture Courses Group: C. Rep. & Vis.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	4 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required		Elective	●						

3. Year/ level at which this course is offered: Year 4 Level 8

4. Course general description:

This course introduces Building Information Modeling (BIM) as a solution to the construction industry's productivity challenges. Students will explore the advantages of BIM in design, construction process management, and operations. The course covers the transition to BIM technologies and their role in improving efficiency and collaboration in construction projects. Additionally, students will gain foundational skills in using BIM software tools within the building construction field.

5. Pre-requirements for this course (if any):

ARC 4006	Heritage Buildings Conservation Studio	Year: 4	Level: 7

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course teaches students how to use computer modeling software in building construction, focusing on digital representation of the built environment. It emphasizes the effective use of software tools to enhance communication and collaboration in architectural design and construction. Students are encouraged to take responsibility for their ongoing learning and development in computer modeling techniques.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	4	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	15
2	Practical	45
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**60**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of various ways of representing the built environment. (K1-d)	**K1**	Interactive L. (Dialogue & discussion)	Computer-based Assgs./ Exams
1.2	Demonstrate an understanding of the required knowledge to use software in designing the built environment. (K1-l)	**K1**	Interactive L. (Dialogue & discussion)	Computer-based Assgs./ Exams
	Skills			
2.1	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning	Computer-based Assgs./ Exams
2.2	Effectively apply digital skills to enhance communication. (S5-b)	**S5**	Self–Learning	Computer-based Assgs./ Exams
	()			
	Values, autonomy, and responsibility			
3.1	Mange and complete tasks efficiently under pressure and within deadlines. (V3-a)	**V3**	Self–Learning	Computer-based Assgs./ Exams

C. Course Content

No	List of Topics	Contact
1	BIM systems: Definition, emergence and development	4
2	Importance of BIM systems for owners, designers and contractors	4
3	BIM programs: Design and analysis programs, and interoperability	4
4	Efficiency of using BIM during construction process	4
5	BIM Solutions - Part 1	4
6	BIM Solutions - Part 2	4
7	Comparing traditional methods of calculating quantities with BIM system	4
8	Computer Modeling in Building Construction - Part 1	4
9	Computer Modeling in Building Construction - Part 2	4
10	Computer Modeling in Building Construction - Part 3	4
11	Computer Modeling in Building Construction - Part 3	4
12	Computer Modeling in Building Construction - Part 4	4
13	Project Development - Part 1	4
14	Project Development - Part 2	4
15	Project Development - Part 3	4
	Total	60

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	Cont. Assess. (Computer-based Assgs./ Exams)	1 to 15	40
2	Mid-Term Exam (Computer-Based Exam)	7	20
3	Final Exam (Computer-Based Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Crotty, R. (2016). Impact of building information modelling. Routledge.
	Borrmann, A., et al. (2022). Building Information Modeling. Springer.
Supportive References	Garrigo?s, A., et al. (2019). BIM in design, construction and operations. WIT Press.
	Issa, R., & Olbina, S. (2015). Building information modeling: Applications and Practices. ASCE.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Computer Lab.
Technology equipment (Projector, smart board, software)	Internet connection
	Powerful computer/ laptop
	Applications software
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Naif Sultan Alaboud	**Wajdy Sadagh A. Qattan**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Environmental Simulation**
Course Code:	**ARC 4114**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* AR30-e ** Elective Course 2: Architecture Courses Group: C. Rep. & Vis.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	4 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required		Elective	●						

3. Year/ level at which this course is offered: Year 4 Level 8

4. Course general description:

This course equips students with the skills to use simulation software for predicting and optimizing the environmental performance of spaces or buildings. Students will learn to virtually model geometry, materials, environmental factors, and occupancy patterns of real or assumed structures. The course covers the fundamentals of simulation, required inputs and outputs, and software accuracy. Through hands-on practice, students will manipulate design parameters and rerun simulations to enhance building performance.

5. Pre-requirements for this course (if any):

ARC 4006	Heritage Buildings Conservation Studio	Year: 4	Level: 7

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to teach students how to use environmental simulation tools to analyze and optimize the built environment. Students will gain an understanding of how to represent environmental factors such as energy use, lighting, and airflow within architectural designs. The course focuses on developing proficiency in simulation software and applying it to improve building performance and sustainability. Additionally, students will enhance their communication skills through digital tools while taking responsibility for their ongoing learning and development in environmental simulation.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	4	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	15
2	Practical	45
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**60**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of various ways of representing the built environment. (K1-d)	**K1**	Interactive L. (Dialogue & discussion)	Computer-based Assgs./ Exams
1.2	Demonstrate an understanding of the required knowledge to use software in designing the built environment. (K1-l)	**K1**	Interactive L. (Dialogue & discussion)	Computer-based Assgs./ Exams
	Skills			
2.1	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning	Computer-based Assgs./ Exams
2.2	Effectively apply digital skills to enhance communication. (S5-b)	**S5**	Self–Learning	Computer-based Assgs./ Exams
	()			
	Values, autonomy, and responsibility			
3.1	Mange and complete tasks efficiently under pressure and within deadlines. (V3-a)	**V3**	Self–Learning	Computer-based Assgs./ Exams

C. Course Content

No	List of Topics	Contact
1	Introduction to environmental simulation	4
2	Basic concept of simulation	4
3	Shadows and radiation analysis tools	4
4	Energy and thermal simulation - Part 1	4
5	Energy and thermal simulation - Part 2	4
6	Energy and thermal simulation - Part 3	4
7	Energy and thermal simulation - Part 4	4
8	Daylighting simulation - Part 1	4
9	Daylighting simulation - Part 2	4
10	Computational fluid dynamic simulation - Part 1	4
11	Computational fluid dynamic simulation - Part 2	4
12	Computational fluid dynamic simulation - Part 3	4
13	Computational fluid dynamic simulation - Part 4	4
14	Project development - Part 1	4
15	Project development - Part 2	4
	Total	60

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	Cont. Assess. (Computer-based Assgs./ Exams)	1 to 15	40
2	Mid-Term Exam (Computer-Based Exam)	7	20
3	Final Exam (Computer-Based Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Peters, T., & Peters, B. (2018). Computing the Environment. John Wiley & Sons, Incorporated.
	Amani, N. (2021). Building Energy Management with ECOTECT Analysis. Lap Lambert.
Supportive References	Garg, V. et al. (2020). Building Energy Simulation: A Workbook Using DesignBuilderTM. CRC Press.
	Ho, L. (2018). EnergyPlus Energy Plus. Hansol Academy.
	Clarke, J. et al. (2001). Energy simulation in building design. Butterworth-Heinemann.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Computer Lab.
Technology equipment (Projector, smart board, software)	Internet connection
	Powerful computer/ laptop
	Applications software
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Naif Sultan Alaboud	**Wajdy Sadagh A. Qattan**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission

اعتماد
NCAAA

2024
TP-153

Course Specification
(Bachelor)

Course Title:	**Photorealistic Rendering Techniques**
Course Code:	**ARC 4111**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* AR27-e ** Elective Course 2: Architecture Courses Group: C. Rep. & Vis.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	4 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required		Elective	●						

3. Year/ level at which this course is offered: Year 4 Level 8

4. Course general description:

This course introduces the fundamentals of photorealistic rendering, focusing on creating 3D images indistinguishable from reality. Students will learn advanced rendering techniques and explore post-production processes, such as adding backgrounds and people cutouts. The course emphasizes final image adjustments, including fine-tuning hue, saturation, and contrast. Through hands-on practice, students will master the skills required to produce polished, lifelike architectural visualizations.

5. Pre-requirements for this course (if any):

ARC 4006	Heritage Buildings Conservation Studio	Year: 4	Level: 7

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to equip students with the skills to create photorealistic renderings of architectural designs. Students will learn various techniques for visually representing the built environment, utilizing advanced software tools to produce high-quality renderings. The course emphasizes the effective application of digital skills to enhance communication and presentation of architectural concepts. Additionally, students will take responsibility for their ongoing learning and development in mastering photorealistic rendering techniques.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	4	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	15
2	Practical	45
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**60**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of various ways of representing the built environment. (K1-d)	**K1**	Interactive L. (Dialogue & discussion)	Computer-based Assgs./ Exams
1.2	Demonstrate an understanding of the required knowledge to use software in designing the built environment. (K1-l)	**K1**	Interactive L. (Dialogue & discussion)	Computer-based Assgs./ Exams
	Skills			
2.1	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning	Computer-based Assgs./ Exams
2.2	Effectively apply digital skills to enhance communication. (S5-b)	**S5**	Self–Learning	Computer-based Assgs./ Exams
	()			
	Values, autonomy, and responsibility			
3.1	Mange and complete tasks efficiently under pressure and within deadlines. (V3-a)	**V3**	Self–Learning	Computer-based Assgs./ Exams

C. Course Content

No	List of Topics	Contact
1	Introduction to Photorealistic Rendering	4
2	Global Illumination	4
3	Volume Rendering and Participating Media - Part 1	4
4	Volume Rendering and Participating Media - Part 2	4
5	Subsurface Scattering	4
6	Image-based Rendering	4
7	High Dynamic Range Imaging	4
8	Image-based Lighting	4
9	Reconstruction of Reflectance	4
10	Bidirectional Texture Function	4
11	Radiance Transfer - Part 1	4
12	Radiance Transfer - Part 2	4
13	Project Development - Part 1	4
14	Project Development - Part 2	4
15	Project Development - Part 3	4
	Total	60

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	Cont. Assess. (Computer-based Assgs./ Exams)	1 to 15	40
2	Mid-Term Exam (Computer-Based Exam)	7	20
3	Final Exam (Computer-Based Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Kurachi, N. (2020). The magic of computer graphics. A K Peters/CRC Press.
	Sakas, G. (2012). Photorealistic Rendering Techniques. Springer.
Supportive References	Sannino, C. (2019). Chiaroscuto with V-Ray for photorealistic rendering. GC Edizioni.
	Sannino, C. (2013). Photography & rendering with V-Ray. GC Edizioni.
	Cardoso, Jamie. (2017). 3D Photorealistic Rendering. CRC Press.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Computer Lab.
Technology equipment (Projector, smart board, software)	Internet connection
	Powerful computer/ laptop
	Applications software
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Naif Sultan Alaboud	**Wajdy Sadagh A. Qattan**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
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Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Level [9]

Field Experience Specification
(Bachelor)

Course Title:	**Cooperative Training**
Course Code:	**ARC 4500**
Program:	**Architecture and Planning**
Department:	**Architecture**
College:	**College of Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Field Experience Version Number:	**1**
Last Revision Date:	**15 Dec. 2024**

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A. Field Experience Details:

1. Credit hours:		
6 Cr.		
2. Level/year at which Field Experience is offered:		
Summer of the fourth year and level 9 of the fifth year		
3. Time allocated for Field Experience activities		
(20) Weeks	(100) Days	(800) Hours
4. Corequisite (or prerequisites if any) to join Field Experience		
ARC 4007 Professional Practice Studio		
5. Mode of delivery		
☒ In-person/onsite	☐hybrid (onsite/online)	☐Online

B. Field Experience Course Learning Outcomes (CLOs), Training Activities and Assessment Methods

Code	Learning Outcomes	Aligned PLO Code	Training Activities	Assessment Methods	Assessment Responsibility
1.0	**Knowledge and understanding**				
1.1	Demonstrate an understanding of wide range of advanced knowledge related to the built environment. (K1-k)	K1	Experiential L. (Practical training)	Eval. of Report	Supervisor
1.2	Demonstrate an understanding of professional ethics and responsibilities. (K3-a)	K3	Experiential L. (Practical training)	Eval. of Report	Supervisor
2.0	**Skills**				
2.1	Apply professional and regulatory standards. (S1-g)	S1	Experiential L. (Practical training)	Eval. of Report	Supervisor
2.2	Carry out complex practical tasks and procedures related to	S8	Experiential L. (Practical training)	Any evidence that demonstrate	Supervisor

Code	Learning Outcomes	Aligned PLO Code	Training Activities	Assessment Methods	Assessment Responsibility
	professional practice. (S8-a)			s progress in this objective.	
3.0	**Values, autonomy, and responsibility**				
3.1	Demonstrate self-discipline and punctuality. (V1-a)	V1	Experiential L. (Practical training)	Evaluation of Attendance Reports	Supervisor
3.2	Demonstrate responsibility for self-learning and ongoing development. (V2-b)	V2	Experiential L. (Practical training)	Eval. of Report	Supervisor
3.3	Collaborate effectively and lead diverse teams to complete tasks responsibly and constructively. (V2-c)	V2	Experiential L. (Practical training)	Eval. of Report	Supervisor
3.4	Mange and complete tasks efficiently under pressure and within deadlines. (V3-a)	V3	Experiential L. (Practical training)	Eval. of Report	Supervisor

*Assessment methods (i.e., practical test, field report, oral test, presentation, group project, essay, etc.).

C. Field Experience Administration

1. Field Experience Flowchart for Responsibility

Including units, departments, and committees responsible for field experience identifying by the interrelations.

Step 1: Evidence: Documentation of experience by the trainee.

Step 2: Reflection: commentary of the trainee on experiences and learning that has resulted and how the objectives were fulfilled.

Step 3: Evaluation: studying the evidence by the examiners.

Step 4: Defending the evidence: a dialog between the trainee and the examiners.

Step 5: Decision.

2. Distribution of Responsibilities for Field Experience Activities

Activity	Department or College	Teaching Staff	Student	Training Organization	Field Supervisor
Selection of a field experience site	●	●	●		
Selection of supervisory staff				●	●
Provision of the required equipment				●	
Provision of learning resources				●	
Ensuring the safety of the site	●	●	●	●	●
Commuting to and from the field experience site			●		
Provision of support and guidance	●	●			●
Implementation of training activities (duties, reports, projects, ...)	●	●			
Follow up on student training activities	●	●			●

Activity	Department or College	Teaching Staff	Student	Training Organization	Field Supervisor
Adjusting attendance and leave					●
Assessment of learning outcomes	●	●		●	●
Evaluating the quality of field experience	●		●		●
Others (specify)	None	None	None	None	None

3. Field Experience Location Requirements

Suggested Field Experience Locations	General Requirements*	Special Requirements**
Architectural consultant firms	• Should pass the prerequisite courses. • Should be pre-approved by the coordinator	• Reputable firms • Following safety standards
Architectural construction sites		

*E.g. provides information technology, equipment, laboratories, halls, housing, learning sources, clinics … etc.
** E.g. Criteria of the institution offering the training or those related to the specialization, such as safety standards, dealing with patients in medical specialties … etc.

4. Decision-Making Procedures for Identifying Appropriate Locations for Field Experience

This training provides students with an opportunity to enrich their university experience by linking academic studies to actual practical situations. Students will also have the opportunity to assess their professional interests in their respective fields. The trainee student is subject to all the organizational rules and vacations system in the firm in which he trains. Training opportunities with architectural firms are selected by the department; however, student can select an opportunity to train after department approval.

Criteria to evaluate potential firms:

- Relevance: The firm must align with architecture topics.
- Accessibility: Ensure the location is physically accessible for students.
- Educational Value: The firm should offer real-world examples of architectural issues, and innovations.
- Safety: Prioritize sites (if applicable) that meet safety standards for student trainees.
- Collaboration Potential: Prefer locations where partnerships with firms, municipalities, or developers are possible.

5. Safety and Risk Management

Potential Risks	Safety Actions	Risk Management Procedures
Exposure to hazards on construction sites (e.g., falling objects, unstable surfaces)	Provide Personal Protective Equipment (PPE): helmets, vests, boots, gloves, and safety goggles.	Conduct a site safety briefing before visits and ensure constant supervision.
Slips, trips, and falls during site visits or outdoor work	Identify and mark uneven or hazardous areas. Train students to navigate safely.	Perform a site risk assessment and implement hazard warnings/signage.
Heat stress or dehydration in outdoor projects	Ensure availability of water resources and schedule work during cooler hours.	Develop a heat management plan and monitor symptoms of heat stress.

D. Training Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Teaching staff, workload, training program effectiveness and appropriateness, and quality of learning resources employed.	Students	Indirect evaluation (Course Evaluation Survey)
Direct observation of	Field Supervisor	Direct evaluation (Attendance forms and final Report)
student skills	Peer Reviewer	Direct evaluation (Final Report of the student)

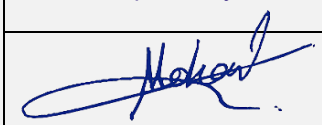
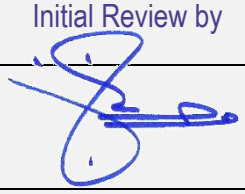
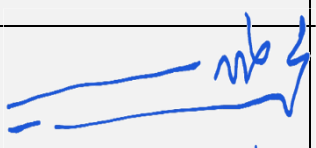
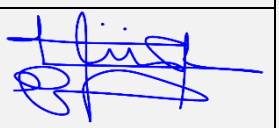
Evaluation areas (e.g., Effectiveness of Training and assessment, Extent of achievement of course learning outcomes, Quality of learning resources, etc.)

Evaluators (Students, Supervisory Staff, Program Leaders, Peer Reviewer, Others (specify)

Assessment Methods (Direct, Indirect)

E. Specification Approval Data

Council /Committee	
Reference No.	
Date	

Prepared by	Initial Review by	Course Coordinator	Head of Department
			
Mohamed Atef kamel	Mohamed Aljefri	Mohamed A. Almahdi	Oumr Adnan Osra

Level [10]

Course Specification
(Bachelor)

Course Title:	**Integrated Architectural Design Studio 2**
Course Code:	**ARC 4009**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* AR16

Courses Group: Des. Proc.

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B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

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D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	5 Cr. Hrs.	**Contact hours:**	10 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 5 Level 10

4. Course general description:

This studio serves as the final graduation project where students are expected to apply the skills and knowledge gained throughout their academic journey. Each student will independently work on a project approved in the previous semester through the "Graduation Project Research" course. The course emphasizes the project's practical viability, constructability, and socio-cultural adaptability within Saudi Arabia. Students will explore design alternatives, evaluate them based on criteria, and develop a comprehensive final design proposal.

5. Pre-requirements for this course (if any):

ARC 4500	Cooperative Training	Year: 5	Level: 9
ARC 4008	Integrated Architectural Design Studio 1	Year: 4	Level: 8

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to deepen students' understanding of the theories and principles that shape the built environment, enabling them to solve complex design challenges. Students will create innovative architectural concepts and forms, applying design theories, structural systems, and material selection knowledge. They will also integrate historical, social, and cultural contexts into their design solutions, ensuring a well-rounded approach to architectural practice. Throughout the design process, students will effectively utilize digital tools, manage tasks efficiently, and work under pressure to meet deadlines, fostering both technical proficiency and professional discipline.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	10	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	0
2	Practical	0
3	Studio	150
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**150**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of theories of the built environment. (K1-f)	**K1**	Interactive L. (Dialogue & discussion)	Eval. of Project(s)
	Skills			
2.1	Solve complicated problems associated with the built environment. (S1-b)	**S1**	Indirect L. (Problems solving)	Eval. of Project(s)
2.2	Create innovative concepts and forms for the built environment. (S1-c)	**S1**	Self–Learning	Eval. of Project(s)
2.3	Apply the theories and methods of designing the built environment. (S1-d)	**S1**	Self–Learning	Eval. of Project(s)
2.4	Apply knowledge of structural systems and materials selection. (S1-e)	**S1**	Self–Learning	Eval. of Project(s)
2.5	Integrate historical, social, and cultural references into the design of the built environment. (S1-f)	**S1**	Self–Learning	Eval. of Project(s)
	Values, autonomy, and responsibility			
3.1	Mange and complete tasks efficiently under pressure and within deadlines. (V3-a)	**V3**	Self–Learning	Direct Observation

C. Course Content

No	List of Topics	Contact
1	Review of "Integrated Architectural Design Studio 1" outcomes	10
2	Development of plans -Part 1	10
3	Development of plans -Part 2	10
4	Development of plans -Part 3	10
5	Development of plans -Part 4	10
6	Development of plans -Part 5	10
7	Development of sections and elevations -Part 1	10
8	Development of sections and elevations -Part 2	10
9	Development of sections and elevations -Part 3	10
10	Development of sections and elevations -Part 4	10
11	Perspectives	10
12	Full project development -Part 1	10
13	Full project development -Part 2	10
14	Full project development -Part 3	10
15	Full project development -Part 4	10
	Total	150

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	Cont. Assess. (Eval. of Project(s))	1 to 15	70
2	Mid-Term Exam (Eval. of One of the Project Stages)	7	10
3	Final Submission (Final Project Oral Exam)	16	20

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Neufert, E. et al. (2023). Architects' Data. Wiley-Blackwell.
	Watson, D., & Crosbie, M. (2005). Time-saver standards for architectural design. McGraw-Hill.
Supportive References	De Chiara, J., & De Chiara, J. (2001). Time-saver standards for building types. McGraw-Hill.
	Baker, G. (2006). Design strategies in architecture. Routledge.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Studio
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Abdullah Saeed Karban	**Ahmed M. A. Shehata**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Economics of Architectural Projects**
Course Code:	**ARC 4505**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* AR17

Courses Group: Prof. Pract. & Train.

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D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 5 Level 10

4. Course general description:

This course introduces students to the fundamentals of economics and its influence on construction, preparing them to make informed economic decisions in architectural projects. Key topics include the time value of money, cash flow analysis, and factors affecting building costs. The course covers the principles of bill-of-quantity (BOQ), cost estimation, and value engineering. Advanced concepts in building economics and the impact of technical specifications on operation costs are also explored.

5. Pre-requirements for this course (if any):

ARC 4307	Working Drawings Studio 2	Year: 4	Level: 8

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course provides students with an understanding of economic principles in the architectural sector, focusing on how economics impacts design, construction, and project outcomes. Through the course, students will take responsibility for ongoing learning and professional growth.

2. Teaching mode

(Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of a wide range of advanced knowledge related to the built environment. (K1-k)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
1.2	Illustrate fundamentals of economics of the built environment sector. (K1-m)	**K1**	Direct Learning (Lecture)	Written Exam
	Skills			
2.1	Apply the economic principles affecting the built environment. (S1-h)	**S1**	Self–Learning	Assignments & Tasks
2.2	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning	Assignments & Tasks
	()			
	Values, autonomy, and responsibility			
3.1	Mange and complete tasks efficiently under pressure and within deadlines. (V3-a)	**V3**	Self–Learning	Assignments & Tasks

C. Course Content

No	List of Topics	Contact
1	Economics of Construction Projects	2
2	Factors Affecting Building Costs	2
3	Lifecycle Cost Analysis (LCCA)	2
4	Time Value of Money: Financial Concepts	2
5	Time Value of Money: Examples - Part 1	2
6	Time Value of Money: Examples - Part 2	2
7	Cost Estimation Principles and Techniques	2
8	Detailed Cost Estimation	2
9	Bill-of-Quantity (BOQ) and Cost Control	2
10	Computer-Based Cost Estimation - Part 1	2
11	Computer-Based Cost Estimation - Part 2	2
12	Value Engineering of Architectural Projects	2
13	Energy and Environmental Impact on Building Costs	2
14	Economic Impact of Technological Advancements in Construction	2
15	Economic and Market Trends in Architecture	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Assignments & Tasks)	1 to 15	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Dell'Isola, D. (2002). Architect's Essentials of Cost Management. John Wiley & Sons.
	Gould, E. (2010). Managing the Construction Process. Prentice - Hall.
Supportive References	Franser, M. (2008). Global Engineering Economics. Pearson Education.
	Liebing, W. (2008). Construction of Architecture. John Wiley and Sons.
	Jackson J. (2010). Construction Management Jump Start. Wiley Publishing.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Abdullah Saeed Karban	**Mohammad Abdullah Almahdi**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Professional Practice for Architects**
Course Code:	**ARC 4501**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* AR18

Courses Group: Prof. Pract. & Train.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 5 Level 10

4. Course general description:

This course provides a comprehensive overview of the principles of professional architectural practice in Saudi Arabia. It covers ethical standards, the Code of Conduct, and the legal frameworks governing the profession. Additionally, the course explores the architect's role and responsibilities, as well as essential professional skills such as resume preparation, portfolio development, interview techniques, and hiring processes. Students will be well-prepared for a responsible, competent, and effective career in architecture.

5. Pre-requirements for this course (if any):

ARC 4500 Cooperative Training Year: 5 Level: 9

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to equip students with a strong understanding of professional ethics, responsibilities, and the legal frameworks that govern the built environment. Students will learn to identify and apply relevant laws, rules, and regulations in architectural practice. The course emphasizes effective communication skills, including the use of digital tools to enhance interactions with clients, colleagues, and stakeholders. Additionally, students will take responsibility for their ongoing professional development and self-directed learning in the field of architecture.

2. Teaching mode

(Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of professional ethics and responsibilities. (K3-a)	**K3**	Interactive L. (Dialogue & discussion)	Written Exam
1.2	Identify the relevant laws, rules and legislations that regulate the built environment. (K3-b)	**K3**	Direct Learning (Lecture)	Written Exam
	Skills			
2.1	Effectively engage in communication with others. (S5-a)	**S5**	Self–Learning	Eval. of Presentation
2.2	Effectively apply digital skills to enhance communication. (S5-b)	**S5**	Self–Learning	Eval. of Portfolio
	()			
	Values, autonomy, and responsibility			
3.1	Demonstrate responsibility for self-learning and ongoing development. (V2-b)	**V2**	Self–Learning	Assignments & Tasks

C. Course Content

No	List of Topics	Contact
1	History of practicing architecture globally and in the Kingdom	2
2	The professional role and competencies of architects and ethics in architectural profession	2
3	Regulations and rules that govern the professional practice	2
4	Saudi council of engineers: Professional accreditation for architects	2
5	Types of architectural drawings and docunments	2
6	Partners involved in the construction process	2
7	Preparing project bidding within regulations and legal measures	2
8	how architectural firms are formed and organized	2
9	Principles for administering architectural or consulting offices	2
10	Governance, Risk, and Compliance, GRC	2
11	Construction documents preparation	2
12	Interviewing skills	2
13	Writing of curriculum vitae (CV)	2
14	Portfolio preparation	2
15	Review of students' Curricula Vitae and Portfolios	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Presentation, Eval. of Portfolio, Assignments & Tasks)	1 to 15	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Saudi building code National committee (2018). The Saudi building code general 201.
	AIA. (2017). The architecture student's handbook of professional practice. Wiley.
Supportive References	Piven, P. et al. (2008). Essentials of starting, assessing, & transitioning a design firm. Wiley.
	غسان الدوسري. (2018). ملاحظات على إدارة مشاريع الهندسة والإنشاء
	صالح العشيش. (1996). إدارة تنفيذ المشروعات الهندسية. مكتبة العبيكان
	GRCP website and its material: https://www.oceg.org/grc-standards/
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Abdullah Saeed Karban	**Mohammad Abdullah Almahdi**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission

اعتماد
NCAAA

2024
TP-153

Course Specification
(Bachelor)

Course Title:	**Architectural Project Management 2**
Course Code:	**ARC 4504**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* AR19

Courses Group: Prof. Pract. & Train.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 5 Level 10

4. Course general description:

This course builds upon the foundational knowledge gained in Architectural Project Management I. It delves deeper into advanced project management techniques, including scheduling, resource allocation, leveling, project control, and construction supervision. Students will also explore more advanced applications of computer-based tools and software in construction management.

5. Pre-requirements for this course (if any):

ARC 4503	Architectural Project Management 1	Year: 4	Level: 8

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course provides students with advanced project management skills for architectural projects, focusing on planning, execution, and oversight using sophisticated tools and strategies. Students will learn to manage complex projects effectively. The course also emphasizes leadership, resource management, and professional development in large-scale architectural projects.

2. Teaching mode

(Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of the required knowledge to use software in designing the built environment. (K1-l)	**K1**	Direct Learning (Lecture)	Assignments & Tasks
1.2	Demonstrate an understanding of the fundamentals of project management. (K1-n)	**K1**	Direct Learning (Lecture)	Written Exam
	Skills			
2.1	Utilize project management knowledge. (S1-i)	**S1**	Self–Learning	Assignments & Tasks
2.2	Effectively use digital skills throughout the design process of the built environment. (S6-a)	**S6**	Self–Learning	Assignments & Tasks
	()			
	Values, autonomy, and responsibility			
3.1	Demonstrate responsibility for self-learning and ongoing development. (V2-b)	**V2**	Self–Learning	Assignments & Tasks

C. Course Content

No	List of Topics	Contact
1	Critical-Path Analysis for Network Scheduling: Revision	2
2	Smoothing Resource Profile (Resource Leveling)	2
3	Scheduling with Limited Resources (Resource Allocation): Heuristic Solution - Part 1	2
4	Scheduling with Limited Resources (Resource Allocation): Heuristic Solution - Part 2	2
5	Scheduling with Limited Resources (Resource Allocation): Heuristic Solution - Part 3	2
6	Optimization of Resource Allocation and Leveling on Excel - Part 1	2
7	Optimization of Resource Allocation and Leveling on Excel - Part 2	2
8	Project Time-Cost Relationship	2
9	Time-Cost Tradeoff: Existing Techniques	2
10	Time-Cost Tradeoff: Cost-Slope Method	2
11	Building Information Modeling (BIM) and Construction Project Management	2
12	Integrated Project Scheduling with Building Information Modeling (BIM)	2
13	Computer Applications in Construction Project Management (Part 1)	2
14	Computer Applications in Construction Project Management (Part 2)	2
15	Computer Applications in Construction Project Management (Part 3)	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Assignments & Tasks)	1 to 15	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Hegazy, T. (2001). Computer-based construction project management. Pearson.
	Sears, K. (2015). Construction Project Management. 6th Edition. John Wiley and Sons.
Supportive References	Liebing, W. (2007). Construction of Architecture: from Design to Built. John Wiley and Sons.
	Oberlender, G. (2022). Project Management for Engineering and Construction. McGraw-Hill.
	Jackson, B. (2020). Construction management jumpstart (3rd ed.). Wiley.
	Project Management Institute. (2021). A Guide to the Project Management Body of Knowledge. PMI.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Abdullah Saeed Karban	**Mohammad Abdullah Almahdi**	**Oumr Adnan Osra**
Head of PPC	Head of C&SPC	Head of D&QC
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Universal Design Code**
Course Code:	**ARC 4310**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* AR21

Courses Group: Constr. & Bldg. Syst.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 5 Level 10

4. Course general description:

This course explores the principles and practices of universal design, a design philosophy that aims to create inclusive environments accessible to people of all abilities. Students will learn about the benefits of universal design and how it can enhance the quality of life for individuals with disabilities. The course will delve into strategies for designing accessible and equitable built environments, focusing on architectural solutions that address the needs of diverse user groups.

5. Pre-requirements for this course (if any):

ARC 4309	Applications of Building Code in Architecture	Year: 4	Level: 8

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to help students define functional requirements and relationships within various sectors of the built environment, with a focus on universal design principles. Students will gain an understanding of the theories and concepts that underpin universal design and how they contribute to creating accessible and inclusive spaces. The course encourages independent learning and the application of knowledge to design solutions that address the needs of diverse user groups.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Define functional requirements and relationships for different sectors of the built environment. (K1-b)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
1.2	Demonstrate an understanding of theories of the built environment. (K1-f)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
	Skills			
2.1	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning (Research work)	Eval. of Research
	()			
	Values, autonomy, and responsibility			
3.1	Demonstrate responsibility for self-learning and ongoing development. (V2-b)	**V2**	Self–Learning (Research work)	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	Background about disability, diversity issues and origins of universal design	2
2	Accessible, inclusive and universal design concepts; and Anthropometrical dimensions	2
3	Floor surfaces, ramps, stairs and handrails	2
4	Elevators, escalators, doors and windows	2
5	Accessible toilets, showers and ablution areas	2
6	Furniture and other equipment	2
7	Entrances, internal corridors	2
8	Required accessibility in public buildings, Part 1	2
9	Required accessibility in public buildings, Part 2	2
10	Accessible hotel rooms	2
11	Garage and parking buildings	2
12	Accessibility of public spaces, Part 1	2
13	Accessibility of public spaces, Part 2	2
14	Wayfinding assistance, Part 1	2
15	Wayfinding assistance, Part 2	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research)	14	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Goldsmith, S. (2015). Universal design: a manual of practical guidance for architects. Architectural Press.
	PSCDR. (2010). Universal Accessibility: Built Environment Guidelines for KSA.
Supportive References	Saudi building code, National committee. (2018). Saudi Building Code: SBC 201.
	U.A.E, Dubai and Kuwait Universal Design Codes
	Kent, J. (2023). ADA in Details. Wiley.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Abdullah Saeed Karban	**Mohamed Atef Elhamy Kamel**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Graduation Project**
Course Code:	**ARC 4208**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* AR22

Courses Group: Arc. Hist. & Th.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	3 Cr. Hrs.	**Contact hours:**	3 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 5 Level 10

4. Course general description:

This capstone course explores architectural challenges related to Hajj, Umrah, and visit, focusing on heritage buildings in Makkah, Madinah, and the holy sites. Topics include the documentation and architectural survey of these sites, housing for pilgrims, and strategies for increasing capacity in areas like Mina through vertical and horizontal expansion. Students will engage in individual research, applying architectural principles to real-world challenges related to these sacred sites.

5. Pre-requirements for this course (if any):

ARC 4500	Cooperative Training	Year: 5	Level: 9

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to enhance students' research skills by applying architectural principles to real-world challenges related to sacred sites. Students will develop the ability to independently seek and analyze relevant data, using both qualitative and quantitative methods to address complex issues. The course emphasizes academic integrity and encourages active contributions to solving architectural problems, particularly in heritage conservation and spatial expansion. It also fosters critical thinking and problem-solving, preparing students to make meaningful contributions to the built environment through their research.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	3	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	0
2	Practical	0
3	Studio	0
4	Graduation project	45
5	Training	0
6	Others (specify)	--
	Total	**45**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of research and inquiry methodologies. (K5-a)	**K5**	Self–Learning (Capstone project)	Eval. of Research
	Skills			
2.1	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning (Capstone project)	Eval. of Research
2.2	Analyze data from multiple sources. (S3-b)	**S3**	Self–Learning (Capstone project)	Eval. of Research
2.3	Formulate results of different experiments. (S3-c)	**S3**	Self–Learning (Capstone project)	Eval. of Research
2.4	Use mathematical operations and quantitative methods to process data and information. (S7-a)	**S7**	Self–Learning (Capstone project)	Eval. of Research
	()			
	Values, autonomy, and responsibility			
3.1	Demonstrate commitment to honesty and academic integrity. (V1-c)	**V1**	Self–Learning (Capstone project)	Eval. of Research
3.2	Contribute actively to addressing challenges related to the built environment. (V2-a)	**V2**	Self–Learning (Capstone project)	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	Introduction to the course	3
2	Research title selection	3
3	Analyze relevant research papers - Part 1	3
4	Analyze relevant research papers - Part 2	3
5	Problem statement and methodology selection	3
6	Literature review - Part 1	3
7	Literature review - Part 2	3
8	Literature review - Part 3	3
9	Applying the methodology - part 1	3
10	Applying the methodology - part 2	3
11	Applying the methodology - part 3	3
12	The conclusion and recommendations	3
13	Research refining - Part 1	3
14	Research refining - Part 2	3
15	Research refining - Part 3	3
	Total	45

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	Cont. Assess. (Eval. of Research)	1 to 15	40
2	Mid-Term Exam (Eval. of Research)	7	20
3	Final Capstone Submission	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	معهد خادم الحرمين الشريفين لأبحاث الحج والعمرة. الملتقيات العلمية لأبحاث الحج والعمرة والزيارة.
	Uqu.edu.sa. (2022). from https://uqu.edu.sa/hajj/107535.
Supportive References	
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Abdullah Saeed Karban	**Mohamed Wahba Ibrahim Khalil**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Architecture Track

Electives

هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission

اعتماد
NCAAA

2024
TP-153

Course Specification
(Bachelor)

Course Title:	**Resilient Urban Design**
Course Code:	**ARC 4411**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* AR31-e ** Elective Course 3: Architecture Courses Group: Urban Des.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required		Elective	●						

3. Year/ level at which this course is offered: Year 5 Level 10

4. Course general description:

This course explores the principles and practices of urban design that can withstand and adapt to various environmental, social, and economic challenges. As urban areas face increasing pressures from climate change, population growth, and resource scarcity, resilience has become a critical component of sustainable urban design. Students will engage with concepts of resilience theory, adaptive systems, and disaster preparedness, applying them to urban design strategies that create flexible and robust communities.

5. Pre-requirements for this course (if any):

ARC 4500	Cooperative Training	Year: 5	Level: 9

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to equip students with the knowledge and skills necessary to design resilient urban spaces that effectively integrate human needs with the environment. Students will gain a comprehensive understanding of advanced concepts related to sustainable and adaptable urban design. The course encourages independent learning and the application of knowledge to address complex urban challenges. Students will also develop effective communication skills and actively contribute to finding solutions for pressing issues in the built environment.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of the mutual integration between human and the environment. (K1-i)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
1.2	Demonstrate an understanding of a wide range of advanced knowledge related to the built environment. (K1-k)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
	Skills			
2.1	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning (Research work)	Eval. of Research
2.2	Effectively engage in communication with others. (S5-a)	**S5**	Self–Learning (Research work)	Eval. of Presentation
	()			
	Values, autonomy, and responsibility			
3.1	Contribute actively to addressing challenges related to the built environment. (V2-a)	**V2**	Self–Learning	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	Introduction to Cities and Climate Change	2
2	Climate Change Impacts on Cities	2
3	Urban Strategies for Climate Change: Mitigation	2
4	Urban Heat Island Mitigation Through Public Space Design	2
5	Designing Walkable Spaces for Climate and Social Resilience	2
6	Urban Strategies for Climate Change: Adaptation	2
7	Designing Flood-Resilient Streetscapes	2
8	Designing Stormwater-Resilient Urban Parks	2
9	Net-Zero Neighborhood Design	2
10	Circular Economy in Urban Design	2
11	Urban Design for Resource-Efficient Neighborhoods	2
12	Temporary Urban Interventions for Resilience	2
13	Urban Design for Pandemic-Ready Cities	2
14	Smart Urban Design for Resilience	2
15	Research Presentation	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research, Eval. of Presentation)	1 to 15	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Dodman, D. (2012). Adapting Cities to Climate Change. Routledge.
	Allam, Z., Jones, D., & Thondoo, M. (2020). Cities and climate change. Palgrave MacMillan.
Supportive References	Allaoua, Z. (2011). Guide to Climate Change Adaptation in Cities. The World Bank.
	Sethi, M. (2017). Climate change and urban settlements. Routledge.
	Hamin, E. (2019). Planning for climate change. Taylor and Francs.
	Calthorpe, P. (2010). Urbanism in the Age of Climate Change. Island Press.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Internet connection
	Powerful computer/ laptop
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Naif Sultan Alaboud	**Adnan Yehya Alshahrani**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Sustainable Landscape Architecture**
Course Code:	**ARC 4412**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* AR32-e ** Elective Course 3: Architecture Courses Group: Urban Des.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required		Elective	●						

3. Year/ level at which this course is offered: Year 5 Level 10

4. Course general description:

This course provides an in-depth introduction to sustainable landscape principles, focusing on xeriscaping strategies, technologies, and best practices. It covers a wide range of topics, including the design, construction, and management of sustainable systems for hydrology, vegetation, soils, and materials, with an emphasis on promoting human health and well-being. Through practical examples, students will explore the integration of these elements in creating environmentally responsible landscapes that thrive in arid environments.

5. Pre-requirements for this course (if any):

ARC 4500	Cooperative Training	Year: 5	Level: 9

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course equips students with the skills to design sustainable landscapes that integrate human activity with the natural environment. It focuses on advanced landscape architecture concepts, sustainability, and environmental stewardship. Students are encouraged to independently apply knowledge to solve environmental challenges, while developing strong communication skills and contributing to the built environment.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of the mutual integration between human and the environment. (K1-i)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
1.2	Demonstrate an understanding of a wide range of advanced knowledge related to the built environment. (K1-k)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
	Skills			
2.1	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning (Research work)	Eval. of Research
2.2	Effectively engage in communication with others. (S5-a)	**S5**	Self–Learning (Research work)	Eval. of Presentation
	()			
	Values, autonomy, and responsibility			
3.1	Contribute actively to addressing challenges related to the built environment. (V2-a)	**V2**	Self–Learning	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	Introduction to sustainable landscape	2
2	Human health and well-being for sustainable sites	2
3	The sun and the sustainable landscape	2
4	The wind and energy conservation	2
5	Water issues and conservation	2
6	Predesign: Site selection, assessment and planning	2
7	Sustainable landscape design: Water	2
8	Sustainable landscape design: Vegetation and Xeriscaping	2
9	Sustainable landscape design: Soils	2
10	Sustainable landscape design: Materials and resources	2
11	Operations, maintenance, monitoring and stewardship	2
12	Green roofs and vertical landscapes	2
13	Case study analysis Part 1	2
14	Case study analysis Part 2	2
15	Research presentation	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research, Eval. of Presentation)	1 to 15	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Calkins, M. (2013). The sustainable sites handbook. Wiley.
	Marietta Loehrlein, M. (2020). Sustainable Landscaping: Principles and Practices. CRC press.
Supportive References	Dines, N., & Brown, K. (2023). Time-saver standards for landscape architecture. McGraw-Hill.
	Cantor, S. & Peck, S. (2008). Green Roofs in Sustainable Landscape Design. Norton & Co.
	Bousselot, J., Badertscher, K., & Roll, M. (2005). Sustainable landscaping. Colorado State Uni.
	Sorvig, K., & Thompson, J. (2018). Sustainable Landscape Construction. Island Press.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Internet connection
	Powerful computer/ laptop
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Naif Sultan Alaboud	**Adnan Yehya Alshahrani**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission

اعتماد
NCAAA

2024
TP-153

Course Specification
(Bachelor)

Course Title:	**Human and Urban Environment**
Course Code:	**ARC 4413**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* AR33-e ** Elective Course 3: Architecture Courses Group: Urban Des.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required		Elective	●						

3. Year/ level at which this course is offered: Year 5 Level 10

4. Course general description:

This course offers students the opportunity to explore the mutual relationship between humans and urban environments through in-depth investigations. It enhances students' understanding of contemporary human issues, including environmental preservation and the impact of the information revolution on the built environment. Weekly seminars provide a platform for students to present on selected topics and engage in discussions and brainstorming sessions with peers, fostering critical thinking and collaborative learning.

5. Pre-requirements for this course (if any):

ARC 4500 Cooperative Training Year: 5 Level: 9

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to help students understand the dynamic relationship between humans and their urban environment. Students will gain advanced knowledge of urban systems and how they impact human life. The course emphasizes independent learning and encourages students to apply their knowledge to address complex urban challenges. Additionally, students will develop effective communication skills and actively contribute to improving the built environment through collaborative efforts.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of the mutual integration between human and the environment. (K1-i)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
1.2	Demonstrate an understanding of a wide range of advanced knowledge related to the built environment. (K1-k)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
	Skills			
2.1	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning (Research work)	Eval. of Research
2.2	Effectively engage in communication with others. (S5-a)	**S5**	Self–Learning (Research work)	Eval. of Presentation
	()			
	Values, autonomy, and responsibility			
3.1	Contribute actively to addressing challenges related to the built environment. (V2-a)	**V2**	Self–Learning	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	The Distinguished Vision of Islam Towards the Environment	2
2	Urbanization and Land Use: Urban Sprawl, Deforestation and Land Degradation, and Land Use Conf	2
3	Environmental Degradation: Air and Water Pollution	2
4	Environmental Degradation: Waste Generation and Management	2
5	Climate Change Impacts: Urban Heat Island Effect and Carbon Emissions	2
6	Biodiversity and Habitat Loss	2
7	Resource Consumption	2
8	Public Health and Well-Being: Noise and Light Pollution	2
9	Technological and Energy Impacts	2
10	Innovations to Mitigate Impacts: Biophilic Urban Design	2
11	Innovations to Mitigate Impacts: Vertical Gardens	2
12	Innovations to Mitigate Impacts: Net-Zero Carbon Urban Projects	2
13	Innovations to Mitigate Impacts: Circular Economy in Cities	2
14	Innovations to Mitigate Impacts: Human-Centric Cities	2
15	Research presentation	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research, Eval. of Presentation)	1 to 15	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Smith, K. (2013). Environmental hazards. Routledge.
	Agarwal, P. (2021). Environment and We in 21st Century. Scholars World.
Supportive References	Khalid Fazlul, K. (1998). Islam and the environment. Ta-Ha Publishers.
	Acevedo, L. (2018). The Population Explosion. Amazon Digital Services.
	Gehl, Jan. (2010). Cities for People. Washington, Dc, Island Press.
	Sachs, J. (2020). The Ages of Globalization. Columbia University Press.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Internet connection
	Powerful computer/ laptop
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Naif Sultan Alaboud	**Adnan Yehya Alshahrani**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Urban Wayfinding**
Course Code:	**ARC 4414**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* AR34-e ** Elective Course 3: Architecture Courses Group: Urban Des.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required		Elective	●						

3. Year/ level at which this course is offered: Year 5 Level 10

4. Course general description:

This course focuses on the principles of wayfinding in urban environments, exploring its importance in enhancing navigation, accessibility, and safety. Students will examine the behaviors of wayfinders, the fundamentals of urban design that support effective wayfinding, and key concepts such as the movement perceptual system and cognitive mapping. The course covers essential wayfinding elements, along with the types of information needed to guide people through outdoor spaces efficiently.

5. Pre-requirements for this course (if any):

ARC 4500	Cooperative Training	Year: 5	Level: 9

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to provide students with a comprehensive understanding of urban wayfinding and its role in creating navigable and user-friendly environments. Students will explore the relationship between humans and their surroundings, gaining advanced knowledge of how design can enhance spatial orientation and movement within urban spaces. The course encourages independent learning and the application of knowledge to solve wayfinding challenges, while also fostering effective communication and collaboration to address broader built environment issues.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of the mutual integration between human and the environment. (K1-i)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
1.2	Demonstrate an understanding of a wide range of advanced knowledge related to the built environment. (K1-k)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
	Skills			
2.1	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning (Research work)	Eval. of Research
2.2	Effectively engage in communication with others. (S5-a)	**S5**	Self–Learning (Research work)	Eval. of Presentation
	()			
	Values, autonomy, and responsibility			
3.1	Contribute actively to addressing challenges related to the built environment. (V2-a)	**V2**	Self–Learning	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	Definitions of wayfinding and Wayfinders	2
2	Movement perceptual system	2
3	Cognitive map	2
4	Wayfinding elements (Design, operational and behavioral systems) - Part 1	2
5	Wayfinding elements (Design, operational and behavioral systems) - Part 2	2
6	Auditory information needed for wayfinding process	2
7	Optical information needed for wayfinding process	2
8	Urban information needed for wayfinding process	2
9	Urban design foundations for good wayfinding - Part 1	2
10	Urban design foundations for good wayfinding - Part 2	2
11	Urban design foundations for good wayfinding - Part 3	2
12	Case study analysis- Part 1	2
13	Case study analysis- Part 2	2
14	Research development	2
15	Research presentation	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research, Eval. of Presentation)	1 to 15	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Passini, R. (1992). Wayfinding in architecture. Van Nostrand Reinhold.
	Gibson, D., & Pullman, C. (2009). The wayfinding handbook. Princeton Architectural Press.
Supportive References	Hero, C. (2021). Study Guide for Kevin Lynch's The Image of the City. Course hero.
	Olson, D., & Bialystok, E. (2014). Spatial Cognition. Taylor and Francis.
	He, L. (2012). Wayfinding Designs Worldwide. LST Publishing House.
	Calori, C. (2007). Signage and wayfinding design. John Wiley.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Internet connection
	Powerful computer/ laptop
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Naif Sultan Alaboud	**Adnan Yehya Alshahrani**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

3.3 Urban Design

Track

Level [7]

Course Specification
(Bachelor)

Course Title:	**New Areas Urban Design Studio**
Course Code:	**ARC 4601**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Design)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UD1

Courses Group: Urban Des.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	5 Cr. Hrs.	**Contact hours:**	10 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 4 Level 7

4. Course general description:

This studio course focuses on the planning and design of large-scale urban projects such as international exhibitions (EXPO), entertainment parks, airport cities, financial centers, heritage tourism centers, and sustainable tourism hubs. Students start by identifying project objectives and problems, studying similar examples, and conducting site analyses. They will develop and evaluate urban design alternatives, selecting and refining the most suitable option to create a comprehensive final layout.

5. Pre-requirements for this course (if any):

ARC 3005	Long-Span Buildings Design Studio	Year: 3	Level: 6
ARC 3403	Introduction to Urban Design Studio	Year: 3	Level: 5

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to equip students with the skills to design new urban areas by defining functional requirements and relationships within the built environment. Students will make design decisions that consider user needs and environmental impacts, while addressing complex challenges in urban design. The course encourages the creation of innovative concepts and forms, applying relevant theories and methods in design. Students will also analyze factors influencing the built environment, effectively utilize digital tools in the design process, and manage tasks efficiently under pressure and deadlines.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	10	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	0
2	Practical	0
3	Studio	150
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**150**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Define functional requirements and relationships for different sectors of the built environment. (K1-b)	**K1**	Self–Learning (Research work)	Eval. of Research
	Skills			
2.1	Make design decisions considering user requirements and various environmental impacts. (S1-a)	**S1**	Self–Learning	Eval. of Project(s)
2.2	Solve complicated problems associated with the built environment. (S1-b)	**S1**	Indirect L. (Problems solving)	Eval. of Project(s)
2.3	Create innovative concepts and forms for the built environment. (S1-c)	**S1**	Self–Learning	Eval. of Project(s)
2.4	Apply the theories and methods of designing the built environment. (S1-d)	**S1**	Self–Learning	Eval. of Project(s)
2.5	Analyze factors shaping and influencing the built environment. (S1-l)	**S1**	Self–Learning (Research work)	Eval. of Research
	Values, autonomy, and responsibility			
3.1	Mange and complete tasks efficiently under pressure and within deadlines. (V3-a)	**V3**	Self–Learning	Direct Observation

C. Course Content

No	List of Topics	Contact
1	Introduction to the project and a general review about neighborhood	10
2	Data collection to understand problems	10
3	Analyzing the collected data to reach the main objectives	10
4	Developing alternatives - Part 1	10
5	Developing alternatives - Part 2	10
6	Evaluating the alternatives based on assessment criteria	10
7	Development of various aspects of the selected alternative - Part 1	10
8	Development of various aspects of the selected alternative - Part 2	10
9	Development of various aspects of the selected alternative - Part 3	10
10	Development of various aspects of the selected alternative - Part 4	10
11	Detailed urban design - Part 1	10
12	Detailed urban design - Part 2	10
13	Project development - Part 1	10
14	Project development - Part 2	10
15	Project development - Part 3	10
	Total	150

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	Cont. Assess. (Eval. of Research, Eval. of Project(s))	1 to 15	70
2	Mid-Term Exam (Drawing Exam)	7	10
3	Final Submission (Final Project Oral Exam)	16	20

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Watson, D. (2011). Time-Saver Standards for Urban Design. McGraw-Hill.
	Carmona, M. (2021). Public places urban spaces: The dimensions of urban design. Routledge.
Supportive References	Krier, R. (1993). Urban Space. Rizzoli.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Studio
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Wajdy Sadagh A. Qattan	**Adnan Yehya Alshahrani**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Landscape Design Studio 1**
Course Code:	**ARC 4602**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Design)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UD2

Courses Group: Urban Des.

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B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

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E. Learning Resources and Facilities 5

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A. General information about the course:

1. Course Identification

1. Credit hours:	3 Cr. Hrs.	**Contact hours:**	6 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 4 Level 7

4. Course general description:

This course emphasizes the development of large-scale urban landscape projects, where students apply their skills to create both functional and innovative designs. The studio covers the execution of hardscape and softscape elements across different design phases. Additionally, students will learn to write detailed landscape specifications and calculate quantities, gaining a foundation in professional project documentation essential for the effective implementation of their designs.

5. Pre-requirements for this course (if any):

ARC 3005	Long-Span Buildings Design Studio	Year: 3	Level: 6
ARC 2402	Principles of Landscape Architecture	Year: 2	Level: 4

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to equip students with a strong understanding of the theories and principles related to landscape design. Students will gain insight into the landscape construction process and the application of mathematical concepts relevant to landscape quantities. They will be encouraged to create innovative concepts and apply design theories and methods effectively. The course also emphasizes the use of digital skills throughout the design process, as well as collaboration and leadership in diverse teams to complete tasks responsibly and constructively.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	6	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	0
2	Practical	0
3	Studio	90
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**90**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of theories of the built environment. (K1-f)	**K1**	Direct Learning (Lecture)	Eval. of Project(s)
1.2	Demonstrate an understanding of the construction process. (K2-d)	**K2**	Interactive L. (Dialogue & discussion)	Eval. of Report
1.3	Demonstrate an understanding of mathematical concepts relevant to the built environment. (K4-a)	**K4**	Direct Learning (Lecture)	Eval. of Report
	Skills			
2.1	Create innovative concepts and forms for the built environment. (S1-c)	**S1**	Self–Learning	Eval. of Project(s)
2.2	Apply the theories and methods of designing the built environment. (S1-d)	**S1**	Self–Learning	Eval. of Project(s)
2.3	Effectively use digital skills throughout the design process of the built environment. (S6-a)	**S6**	Self–Learning	Eval. of Project(s)
	()			
	Values, autonomy, and responsibility			
3.1	Collaborate effectively and lead diverse teams to complete tasks responsibly and constructively. (V2-c)	**V2**	Collaborative L. (Teamwork Research)	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	Introduction to the studio	6
2	Existing condition analysis	6
3	Layout and materials plan - Part 1	6
4	Layout and materials plan - Part 2	6
5	Grading and drainage plan	6
6	Road profiles and sections	6
7	Plan enlargements	6
8	Site sections	6
9	Landscape details	6
10	Written landscape specifications - Part 1	6
11	Written landscape specifications - Part 2	6
12	Written landscape specifications - Part 3	6
13	Project development - Part 1	6
14	Project development - Part 2	6
15	Project development - Part 3	6
	Total	90

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	Cont. Assess. (Eval. of Project(s), Eval. of Report , Eval. of Research)	1 to 15	70
2	Mid-Term Exam (Drawing Exam)	7	10
3	Final Submission (Final Project Oral Exam)	16	20

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Dines, N., & Brown, K. (2023). Time-saver standards for landscape architecture. McGraw-Hill.
	Allen, E., Ryan, T., & Rand, P. (2013). Detailing for landscape architects. Wiley.
Supportive References	Shehata, A. (2021). Design of Outdoor Spaces. Universal Publishing Ltd.
	Littlewood, M. (2012). Landscape Detailing Volume 1,2 and 3. Taylor and Francis.
	Dines, N., & Brown, D. (1999). Time-saver standards: site construction details manual. Mcgraw-Hill.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Studio
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Wajdy Sadagh A. Qattan	**Adnan Yehya Alshahrani**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Urban Information Systems**
Course Code:	**ARC 4603**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Design)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UD3

Courses Group: C. Rep. & Vis.

Table of Contents:

A. General Information about the course 3

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B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

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E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	4 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 4 Level 7

4. Course general description:

This course introduces the fundamental principles of Geographic Information Systems (GIS), emphasizing its application in urban design. Students will gain an understanding of GIS technology and its practical uses, including data entry, editing, and simple analysis. The course also covers data visualization techniques and map layout preparation, providing both theoretical knowledge and hands-on experience to support urban design tasks in the profession.

5. Pre-requirements for this course (if any):

ARC 3005	Long-Span Buildings Design Studio	Year: 3	Level: 6

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to equip students with a strong understanding of how to represent and analyze the built environment using Geographic Information Systems (GIS). Students will develop the necessary skills to use GIS software effectively in urban design. They will also learn to apply digital tools throughout the design process to enhance communication and decision-making. The course encourages students to take responsibility for their ongoing learning and professional development in the field of urban information systems.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	4	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	15
2	Practical	45
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**60**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of various ways of representing the built environment. (K1-d)	**K1**	Direct Learning (Lecture)	Computer-based Assgs./ Exams
1.2	Demonstrate an understanding of the required knowledge to use software in designing the built environment. (K1-l)	**K1**	Direct Learning (Lecture)	Computer-based Assgs./ Exams
	Skills			
2.1	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning	Computer-based Assgs./ Exams
2.2	Effectively use digital skills throughout the design process of the built environment. (S6-a)	**S6**	Self–Learning	Computer-based Assgs./ Exams
	()			
	Values, autonomy, and responsibility			
3.1	Mange and complete tasks efficiently under pressure and within deadlines. (V3-a)	**V3**	Self–Learning	Computer-based Assgs./ Exams

C. Course Content

No	List of Topics	Contact
1	GIS software interface	4
2	Geospatial data, Georeferenced and Geo Databases	4
3	Data entry in GIS - Vector Data	4
4	Data entry in GIS - Raster Data	4
5	Editing with aerial photo	4
6	Editing geographic data - Part 1	4
7	Editing geographic data - Part 2	4
8	Editing geographic data - Part 3	4
9	Visualization data and Symbology - Part 1	4
10	Visualization data and Symbology - Part 2	4
11	Visualization data and Symbology - Part 3	4
12	Visualization data and Symbology - Part 3	4
13	Preparation of map layouts	4
14	Project development - Part 1	4
15	Project development - Part 2	4
	Total	60

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	Cont. Assess. (Computer-based Assgs./ Exams)	1 to 15	40
2	Mid-Term Exam (Computer-Based Exam)	7	20
3	Final Exam (Computer-Based Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Gorr, W. L., & Kurland, K. S. (2023). GIS Tutorial for ArcGIS Pro 3. 1. ESRI Press.
	ESRI. (2025). A to Z GIS: An Illustrated Dictionary of Geographic Information Systems. Esri Press.
Supportive References	Sutton, T. (2024). A Gentle Introduction to GIS. QGIS Project.
	McHaffie, P., Hwang, S., & Follett, C. (2023). GIS: An Introduction to Mapping Technologies. CRC Press.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Computer Lab.
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
	Applications software
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Wajdy Sadagh A. Qattan	**Wajdy Sadagh A. Qattan**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission

اعتماد
NCAAA

2024
TP-153

Course Specification
(Bachelor)

Course Title:	**Urban design methodologies and techniques**
Course Code:	**ARC 4604**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Design)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UD4

Courses Group: Urban Des.

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A. General Information about the course 3

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B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 4 Level 7

4. Course general description:

This course explores urban design methodologies and techniques. In addition, it illustrates theories of urban design, focusing on how urban physical form interacts with economic, cultural, social, aesthetic, and natural forces. The course emphasizes a critical analysis of how these theories influence the design and development of public spaces in urban environments.

5. Pre-requirements for this course (if any):

ARC 3005 Long-Span Buildings Design Studio Year: 3 Level: 6

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to provide students with a thorough understanding of advanced processes and methods of urban design. Students will explore advanced techniques for representing the built environment and learn how to apply these methods effectively in urban design projects. The course encourages independent learning and the ability to seek out and apply relevant knowledge. It also emphasizes the importance of self-directed development and responsibility for continuous learning in the field of urban design.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Explain processes, methods and fundamentals of designing the built environment. (K1-a)	**K1**	Direct Learning (Lecture)	Written Exam
1.2	Demonstrate an understanding of various ways of representing the built environment. (K1-d)	**K1**	Direct Learning (Lecture)	Written Exam
1.3	Explain the impact of different aspects on the built environment. (K1-h)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
	Skills			
2.1	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning	Assignments & Tasks
	()			
	Values, autonomy, and responsibility			
3.1	Mange and complete tasks efficiently under pressure and within deadlines. (V3-a)	**V3**	Self–Learning	Assignments & Tasks

C. Course Content

No	List of Topics	Contact
1	Definitions	2
2	Urban Design Process	2
3	The Urban Programme	2
4	Survey Techniques	2
5	Urban Design Analysis 1	2
6	Urban Design Analysis 2	2
7	Generating Alternatives 1	2
8	Generating Alternatives 2	2
9	Project Evaluation	2
10	Presentation Techniques 1	2
11	Presentation Techniques 2	2
12	Introduction to Project Management	2
13	The Image of the City (Kevin Lynch)	2
14	The Theory of Good City Form (Kevin Lynch)	2
15	Human-Centered Urbanism (Jan Gehl)	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Assignments & Tasks)	1 to 15	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Cuesta, R., et al. (2012). Urban Design: Method and Techniques. Routledge,
	Lynch, K. (1960). The Image of the City. London, The MIT Press.
Supportive References	Lynch, Kevin. (1981). Good City Form. Cambridge, Ma, Mit Press.
	Gehl, Jan. (2012). Life between Buildings: Using Public Space. Washington, DC, Island Press.
	Gehl, Jan. (2010). Cities for People. Washington, Dc, Island Press.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Wajdy Sadagh A. Qattan	**Adnan Yehya Alshahrani**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Principles of Statistics for Architects**
Course Code:	**MTH1681**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

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1. Course Identification 3

2. Teaching mode 3

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B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track		Supporting	●
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 4 Level 7

4. Course general description:

This course introduces architects to fundamental concepts and techniques in statistics, providing essential tools for data analysis and interpretation in architectural and urban practice. Focusing on descriptive statistics and basic probability theory, the course equips students with the skills to analyze data, identify trends, and make informed, evidence-based decisions.

5. Pre-requirements for this course (if any):

None

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to help students understand mathematical concepts and statistical methods relevant to the built environment. Students will learn to apply quantitative techniques to analyze and process data effectively. The course also emphasizes persistence and a commitment to achieving excellence in mastering statistical tools for architectural analysis and decision-making.

2. Teaching mode

(Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of mathematical concepts relevant to the built environment. (K4-a)	**K4**	Direct Learning (Lecture)	Written Assgs./ Exams
	Skills			
2.1	Use mathematical operations and quantitative methods to process data and information. (S7-a)	**S7**	Indirect L. (Problems solving)	Written Exam
	()			
	Values, autonomy, and responsibility			
3.1	Demonstrate persistence on achievement and distinction. (V2-d)	**V2**	Self–Learning	Assignments & Tasks

C. Course Content

No	List of Topics	Contact
1	Definition and general view of statistics	2
2	Organization and presentation of statistical data	2
3	Measures of central tendency (Mean, Median, Mode) of the simple data and the frequency distributio	2
4	Measures of dispersion (The Range – The Variance and the standard deviation) of the simple data a	2
5	Measures of dispersion (Coefficient of variation) of the simple data and the frequency distribution	2
6	Moments and Measure of Skewness and Kurtosis	2
7	Correlation measures	2
8	Simple Linear regression 1	2
9	Simple Linear regression 2	2
10	Sample space and Events	2
11	Counting Techniques (Fundamental basics, Addition Rule)	2
12	Counting Techniques (Multiplication Rule- Permutation and Combinations)	2
13	Definition of the probability and its applications	2
14	Conditional probability - Independence of events and Bayes theorem and its applications 1	2
15	Conditional probability - Independence of events and Bayes theorem and its applications 2	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Written Assgs./ Exams, Assignments & Tasks)	1 to 15	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Bluman, A. G. (2010). Elementary Statistics. A Brief Version : [a Step by Step Approach]. Boston, Ma, Mcgraw-Hill.
	0
Supportive References	
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Abdullah Saeed Karban		**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Urban Design Track

Electives

Course Specification
(Bachelor)

Course Title:	**Temporary Urbanism**
Course Code:	**ARC 4621**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Design)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UD23-e ** Elective Course 1: Urban Design Courses Group: Urban Des.

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D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required		Elective	●						

3. Year/ level at which this course is offered: Year 4 Level 7

4. Course general description:

This course examines the global trend of temporary and tactical urbanism, focusing on the increased use of short-term events and temporary spaces. It provides a theoretical and critical analysis of this approach, highlighting its significance in cities like Makkah al-Mukarramah, where it is prevalent during Hajj in Mina, Muzdalefah, and Arafat. The course explores how these areas can be efficiently utilized outside pilgrimage periods, addressing both opportunities and challenges.

5. Pre-requirements for this course (if any):

ARC 3005	Long-Span Buildings Design Studio	Year: 3	Level: 6

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to provide students with advanced knowledge of the principles and practices of temporary urbanism, focusing on how temporary interventions can shape and influence the built environment. Students will develop analytical skills to assess factors impacting urban spaces, engage in effective communication, and independently seek and apply knowledge to address urban challenges creatively and constructively.

2. Teaching mode

(Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of a wide range of advanced knowledge related to the built environment. (K1-k)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
	Skills			
2.1	Analyze factors shaping and influencing the built environment. (S1-l)	**S1**	Interactive L. (Dialogue & discussion)	Written Exam
2.2	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning (Research work)	Eval. of Research
2.3	Effectively engage in communication with others. (S5-a)	**S5**	Self–Learning (Research work)	Eval. of Research
	()			
	Values, autonomy, and responsibility			
3.1	Contribute actively to addressing challenges related to the built environment. (V2-a)	**V2**	Self–Learning	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	Introduction: What is tactical and temporary urbanism?	2
2	Concepts of time and location	2
3	Inspirations and antecedents of tactical urbanism	2
4	Applying tactical urbanism	2
5	Forms of temporary urbanism - part 1	2
6	Forms of temporary urbanism - part 2	2
7	Principals of temporary and tactical urbanism	2
8	Benefits and problems	2
9	Applications of temporary urbanism- Part 1	2
10	Applications of temporary urbanism- Part 2	2
11	Applications of temporary urbanism- Part 3	2
12	Applications of temporary urbanism- Part 4	2
13	Al Mashaaer: Case study analysis - Part 1	2
14	Al Mashaaer: Case study analysis - Part 2	2
15	Research development	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research)	14	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Lydon, M., & Garcia, A. (2015). Tactical Urbanism. Island Press.
	Stevens, Q., and Dovey, K. (2023). Temporary and Tactical Urbanism. Taylor & Francis
Supportive References	Bishop, P., & Williams, L. (2012). The Temporary City. Routledge.
	Dovey, K. (2016). Urban Design Thinking: A Conceptual Toolkit. Bloomsbury Academic.
	Madanipour., A. (2017). Cities in Time: Temporary Urbanism & the Future of the City. Bloomsbury Ac.
	Ferreri, M. (2021). Permanence of Temporary Urbanism. S.L., Amsterdam University Pr.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Internet connection
	Powerful computer/ laptop
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Mohanad A. Saddiq Alfelali	**Adnan Yehya Alshahrani**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Humanizing the Cities**
Course Code:	**ARC 4622**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Design)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UD24-e ** Elective Course 1: Urban Design Courses Group: Urban Des.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required		Elective	●						

3. Year/ level at which this course is offered: Year 4 Level 7

4. Course general description:

This course explores strategies for designing urban environments that prioritize human experience and well-being. Students will examine how to create urban areas that foster social interaction, accessibility, and comfort while addressing issues like overcrowding and environmental stress. The course covers principles of urban design that enhance livability, such as inclusive public spaces, walkability, and community engagement. Students will explore solutions that make urban areas more responsive to human needs and improve overall quality of life.

5. Pre-requirements for this course (if any):

ARC 3005	Long-Span Buildings Design Studio	Year: 3	Level: 6

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to equip students with advanced knowledge to foster the humanization of urban environments by analyzing key factors shaping and influencing cities. Students will independently seek and apply knowledge, engage effectively in communication, and contribute actively to addressing urban challenges, emphasizing strategies that prioritize human-centered design and inclusivity in the built environment.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of a wide range of advanced knowledge related to the built environment. (K1-k)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
	Skills			
2.1	Analyze factors shaping and influencing the built environment. (S1-l)	**S1**	Interactive L. (Dialogue & discussion)	Written Exam
2.2	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning (Research work)	Eval. of Research
2.3	Effectively engage in communication with others. (S5-a)	**S5**	Self–Learning (Research work)	Eval. of Research
	()			
	Values, autonomy, and responsibility			
3.1	Contribute actively to addressing challenges related to the built environment. (V2-a)	**V2**	Self–Learning	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	Quality of life in urban environments	2
2	The human dimension in urban design process	2
3	Walkability and car-free city development	2
4	Humanizing cities: Street scape	2
5	Humanizing cities: Plazas	2
6	Humanizing cities: Mixed land use	2
7	Humanizing cities: Tactical urbanism	2
8	Humanizing cities: Human scale	2
9	Inclusivity and equity in urban spaces	2
10	Humanizing cities: Community participation	2
11	Case study analysis - Part 1	2
12	Case study analysis - Part 2	2
13	Research refining - Part 1	2
14	Research refining - Part 2	2
15	Research refining - Part 3	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research)	14	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Doheim, R., Farag, A., & Kamel, E. (2020). Humanizing cities through car-free city development and transformation. Engi
	Watson, D. (2011). Time-Saver Standards for Urban Design. McGraw-Hill.
Supportive References	Carmona, M. (2021). Public places urban spaces: The dimensions of urban design. Routledge.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Internet connection
	Powerful computer/ laptop
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Mohanad A. Saddiq Alfelali	**Adnan Yehya Alshahrani**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Floating Cities**
Course Code:	**ARC 4623**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Design)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UD25-e ** Elective Course 1: Urban Design Courses Group: Urban Des.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required		Elective	●						

3. Year/ level at which this course is offered: Year 4 Level 7

4. Course general description:

This course delves into the concept of floating cities, examining their history, design, construction, and sustainability. Students will explore the technical, environmental, economic, and social dimensions of creating urban habitats on water. Key topics include addressing rising sea levels, overpopulation, and challenges related to energy, water supply, waste management, and environmental impact. The course features international examples, providing a comprehensive understanding of this innovative urban design concept.

5. Pre-requirements for this course (if any):

ARC 3005	Long-Span Buildings Design Studio	Year: 3	Level: 6

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to provide students with advanced knowledge on the concept and design of floating cities, focusing on analyzing the factors shaping and influencing such innovative built environments. Students will independently seek and apply relevant knowledge, engage effectively in communication, and contribute actively to addressing the unique challenges associated with sustainable and resilient floating urban developments.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of a wide range of advanced knowledge related to the built environment. (K1-k)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
	Skills			
2.1	Analyze factors shaping and influencing the built environment. (S1-l)	**S1**	Interactive L. (Dialogue & discussion)	Written Exam
2.2	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning (Research work)	Eval. of Research
2.3	Effectively engage in communication with others. (S5-a)	**S5**	Self–Learning (Research work)	Eval. of Research
	()			
	Values, autonomy, and responsibility			
3.1	Contribute actively to addressing challenges related to the built environment. (V2-a)	**V2**	Self–Learning	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	Historical Concepts of Floating Communities	2
2	The Concept of Floating Cities	2
3	Addressing Climate Change with Floating Cities	2
4	Structural Engineering of Floating Cities	2
5	Environmental Impact Assessment of Floating Cities	2
6	Water Management Systems for Floating Cities	2
7	Energy Production and Distribution for Floating Cities	2
8	Waste Management and Recycling in Floating Cities	2
9	Transportation and Infrastructure for Floating Cities	2
10	Economic and Community Aspects of Floating Cities	2
11	Technological Advancements in Floating City Design	2
12	Contemporary Floating City Concepts 1	2
13	Contemporary Floating City Concepts 2	2
14	Imaginary Design of a Floating City 1	2
15	Imaginary Design of a Floating City 2	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research)	14	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Łukasz Piątek, et al. (2021).WCFS2020. Springer Nature, 5 Aug.
	Tomoki Ikoma. (2023). Proceedings of the Third World Conference on Floating Solutions. Springer Nature.
Supportive References	
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Internet connection
	Powerful computer/ laptop
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Mohanad A. Saddiq Alfelali	**Adnan Yehya Alshahrani**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**City Branding**
Course Code:	**ARC 4624**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Design)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UD26-e ** Elective Course 1: Urban Design Courses Group: Urban Des.

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A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required		Elective	●						

3. Year/ level at which this course is offered: Year 4 Level 7

4. Course general description:

This course explores the concept of city branding, focusing on how cities can develop a distinct identity to attract residents, tourists, and investors. Students will examine the strategies used to create a cohesive urban brand through architecture, culture, history, and economic development. Topics include branding techniques, stakeholder engagement, and the role of urban design in shaping a city's image. The course also analyzes successful global city branding case studies

5. Pre-requirements for this course (if any):

ARC 3005 Long-Span Buildings Design Studio Year: 3 Level: 6

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to equip students with advanced knowledge of city branding, focusing on the factors that shape and influence urban identity and perception. Students will independently seek and apply relevant insights, effectively engage in collaborative communication, and actively contribute to addressing challenges in enhancing the built environment's image and appeal.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of a wide range of advanced knowledge related to the built environment. (K1-k)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
	Skills			
2.1	Analyze factors shaping and influencing the built environment. (S1-l)	**S1**	Interactive L. (Dialogue & discussion)	Written Exam
2.2	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning (Research work)	Eval. of Research
2.3	Effectively engage in communication with others. (S5-a)	**S5**	Self–Learning (Research work)	Eval. of Research
	()			
	Values, autonomy, and responsibility			
3.1	Contribute actively to addressing challenges related to the built environment. (V2-a)	**V2**	Self–Learning	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	City Branding Definition and Challenges	2
2	Goals of City Branding: Economic Development and Tourism	2
3	Goals of City Branding: Global Competitiveness	2
4	Theoretical Perspectives on City Branding	2
5	City Branding Strategies: Cultural Branding	2
6	City Branding Strategies: Event-Based Branding	2
7	City Branding Strategies: Sustainability Branding	2
8	City Branding Strategies: Technology and Innovation	2
9	City Branding Processes: Place-Based Marketing	2
10	Measuring the Effectiveness of City Branding	2
11	Case Study 1	2
12	Case Study 2	2
13	Research refining - Part 1	2
14	Research refining - Part 2	2
15	Research refining - Part 3	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research)	14	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Dinnie, K. (2016). City Branding : Theory and Cases. Basingstoke, Palgrave Macmillan.
	Deffner, A., and Mihalis K. (2024). City Branding.
Supportive References	
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Internet connection
	Powerful computer/ laptop
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Mohanad A. Saddiq Alfelali	**Adnan Yehya Alshahrani**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Level [8]

Course Specification
(Bachelor)

Course Title:	**Existing Areas Urban Design Studio**
Course Code:	**ARC 4607**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Design)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UD8

Courses Group: Urban Des.

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A. General Information about the course 3

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2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	5 Cr. Hrs.	**Contact hours:**	10 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 4 Level 8

4. Course general description:

This studio course centers on the redevelopment of existing urban areas, including historic districts, city entrances, waterfronts, and city centers. Students will begin by defining project objectives and challenges, reviewing comparable projects, and conducting site analyses. They will then develop and assess urban design alternatives, selecting and refining the most effective solutions to produce a detailed final layout aimed at revitalizing and enhancing the chosen urban area.

5. Pre-requirements for this course (if any):

ARC 4601	New Areas Urban Design Studio	Year: 4	Level: 7

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to equip students with the skills to define functional requirements and relationships within different sectors of the built environment. Students will learn to make informed design decisions, considering both user needs and environmental impacts. They will develop the ability to create innovative concepts and forms while applying relevant theories and methods in the design process. The course also emphasizes the analysis of factors that shape and influence the built environment and encourages students to effectively use digital tools throughout their design work. Additionally, students will be encouraged to actively contribute to addressing real challenges in urban design.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	10	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	0
2	Practical	0
3	Studio	150
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**150**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Define functional requirements and relationships for different sectors of the built environment. (K1-b)	**K1**	Self–Learning (Research work)	Eval. of Research
	Skills			
2.1	Make design decisions considering user requirements and various environmental impacts. (S1-a)	**S1**	Self–Learning	Eval. of Project(s)
2.2	Create innovative concepts and forms for the built environment. (S1-c)	**S1**	Self–Learning	Eval. of Project(s)
2.3	Apply the theories and methods of designing the built environment. (S1-d)	**S1**	Self–Learning	Eval. of Project(s)
2.4	Analyze factors shaping and influencing the built environment. (S1-l)	**S1**	Self–Learning (Research work)	Eval. of Research
2.5	Effectively use digital skills throughout the design process of the built environment. (S6-a)	**S6**	Self–Learning	Eval. of Project(s)
	Values, autonomy, and responsibility			
3.1	Contribute actively to addressing challenges related to the built environment. (V2-a)	**V2**	Self–Learning	Eval. of Project(s)

C. Course Content

No	List of Topics	Contact
1	Introduction to the project	10
2	Data collection to understand existing problems	10
3	Analyzing the collected data to reach the main objectives	10
4	Developing alternatives - Part 1	10
5	Developing alternatives - Part 2	10
6	Evaluating the alternatives based on assessment criteria	10
7	Development of various aspects of the selected alternative - Part 1	10
8	Development of various aspects of the selected alternative - Part 2	10
9	Development of various aspects of the selected alternative - Part 3	10
10	Development of various aspects of the selected alternative - Part 4	10
11	Detailed urban design - Partr 1	10
12	Detailed urban design - Partr 2	10
13	Project Development - Part 1	10
14	Project Development - Part 2	10
15	Project Development - Part 3	10
	Total	150

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	Cont. Assess. (Eval. of Research, Eval. of Project(s))	1 to 15	70
2	Mid-Term Exam (Drawing Exam)	7	10
3	Final Submission (Final Project Oral Exam)	16	20

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Watson, D. (2011). Time-Saver Standards for Urban Design. McGraw-Hill.
	Carmona, M. (2021). Public places urban spaces: The dimensions of urban design. Routledge.
Supportive References	Krier, R. (1993). Urban Space. Rizzoli.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Studio
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Wajdy Sadagh A. Qattan	**Adnan Yehya Alshahrani**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Landscape Design Studio 2**
Course Code:	**ARC 4608**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Design)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UD9

Courses Group: Urban Des.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	3 Cr. Hrs.	**Contact hours:**	6 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 4 Level 8

4. Course general description:

This course aims to equip students with a comprehensive understanding of how to achieve a sustainable landscape. Students will learn to make design decisions that account for user needs and environmental impacts. They will be encouraged to create innovative concepts and forms that support sustainability. The course will also focus on utilizing diverse strategies to ensure a sustainable landscape while analyzing the factors that shape and influence it. Students will effectively apply digital tools throughout the design process and actively contribute to addressing sustainability challenges in landscape design.

5. Pre-requirements for this course (if any):

ARC 4602	Landscape Design Studio 1	Year: 4	Level: 7

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to provide students with the knowledge and skills to design sustainable landscapes that harmoniously integrate human activity with the natural environment. Students will develop a deep understanding of advanced concepts in landscape architecture, focusing on sustainability and environmental stewardship. The course encourages independent research and the practical application of knowledge to tackle environmental challenges. Students will also enhance their communication skills and actively contribute to addressing key issues in the built environment through collaborative efforts.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	6	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	0
2	Practical	0
3	Studio	90
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**90**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate a clear understanding of how to achieve a sustainable built environment. (K1-j)	**K1**	Interactive L. (Dialogue & discussion)	Eval. of Research
	Skills			
2.1	Make design decisions considering user requirements and various environmental impacts. (S1-a)	**S1**	Self–Learning	Eval. of Project(s)
2.2	Create innovative concepts and forms for the built environment. (S1-c)	**S1**	Self–Learning	Eval. of Project(s)
2.3	Utilize diverse means to achieve a sustainable built environment. (S1-j)	**S1**	Self–Learning	Eval. of Project(s)
2.4	Analyze factors shaping and influencing the built environment. (S1-l)	**S1**	Self–Learning (Research work)	Eval. of Research
2.5	Effectively use digital skills throughout the design process of the built environment. (S6-a)	**S6**	Self–Learning	Eval. of Project(s)
	Values, autonomy, and responsibility			
3.1	Contribute actively to addressing challenges related to the built environment. (V2-a)	**V2**	Self–Learning	Eval. of Project(s)

C. Course Content

No	List of Topics	Contact
1	Introduction to the studio	6
2	Existing condition analysis	6
3	Initial layout	6
4	Water management treatments	6
5	Soil and erosion control plan	6
6	Vegetation and planting strategies	6
7	Sustainable materials plan	6
8	Energy-efficient design details	6
9	Waste management and recycling plan	6
10	Human-centric design details	6
11	Habitat creation and biodiversity details	6
12	Project development - Part 1	6
13	Project development - Part 2	6
14	Project development - Part 3	6
15	Project development - Part 4	6
	Total	90

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	Cont. Assess. (Eval. of Research, Eval. of Project(s))	1 to 15	70
2	Mid-Term Exam (Drawing Exam)	7	10
3	Final Submission (Final Project Oral Exam)	16	20

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Calkins, M. (2013). The sustainable sites handbook. Wiley.
	Sorvig, K., & Thompson, J. (2018). Sustainable Landscape Construction. Island Press.
Supportive References	Dines, N., & Brown, K. (2023). Time-saver standards for landscape architecture. McGraw-Hill.
	Cantor, S. & Peck, S. (2008). Green Roofs in Sustainable Landscape Design. Norton & Co.
	Bousselot, J., Badertscher, K., & Roll, M. (2005). Sustainable landscaping. Colorado State Uni.
	Marietta Loehrlein, M. (2020). Sustainable Landscaping: Principles and Practices. CRC press.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Studio
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Wajdy Sadagh A. Qattan	**Adnan Yehya Alshahrani**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission

اعتماد
NCAAA

2024
TP-153

Course Specification
(Bachelor)

Course Title:	**Integrated Urban Design Studio 1**
Course Code:	**ARC 4609**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Design)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UD10

Courses Group: Urban Des.

Table of Contents:

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C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	4 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 4 Level 8

4. Course general description:

This studio serves as an introduction to the "Integrated Urban Design Studio 2", guiding students in selecting a project title that aligns with their design approach. The course enables students to choose and analyze the appropriate site, create a detailed space program, and define planning and design standards for the selected project. Moreover, students will learn to develop a project methodology by analyzing similar local, regional, and international projects. A comprehensive and well-written report on the cited studies and the main design concept are required as the primary deliverables for this course

5. Pre-requirements for this course (if any):

ARC 4601 New Areas Urban Design Studio Year: 4 Level: 7

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This studio aims to equip students with the skills to analyze the functional relationships of urban design elements and understand their impact on the built environment. Students will explore urban design theories and apply them to make design decisions that consider user needs and environmental sustainability. The course encourages the use of data analysis and the formulation of results from design experiments to inform decision-making. Through this process, students will actively contribute to addressing contemporary urban design challenges, applying methodologies and techniques to develop innovative solutions for real-world urban issues.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	4	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	0
2	Practical	0
3	Studio	60
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**60**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Define functional requirements and relationships for different sectors of the built environment. (K1-b)	**K1**	Interactive L. (Dialogue & discussion)	Eval. of Report
1.2	Demonstrate an understanding of theories of the built environment. (K1-f)	**K1**	Interactive L. (Dialogue & discussion)	Eval. of Report
1.3	Explain the impact of different aspects on the built environment. (K1-h)	**K1**	Interactive L. (Dialogue & discussion)	Eval. of Report
	Skills			
2.1	Make design decisions considering user requirements and various environmental impacts. (S1-a)	**S1**	Self–Learning	Eval. of Project(s)
2.2	Apply the theories and methods of designing the built environment. (S1-d)	**S1**	Self–Learning	Eval. of Project(s)
2.3	Analyze data from multiple sources. (S3-b)	**S3**	Self–Learning	Eval. of Report
2.4	Formulate results of different experiments. (S3-c)	**S3**	Self–Learning	Eval. of Report
	()			
	Values, autonomy, and responsibility			
3.1	Contribute actively to addressing challenges related to the built environment. (V2-a)	**V2**	Self–Learning	Eval. of Report

C. Course Content

No	List of Topics	Contact
1	Representation techniques of urban design	4
2	Selecting the graduation project	4
3	Analyses of previous similar projects - Part 1	4
4	Analyses of previous similar projects - Part 2	4
5	Analyses of previous similar projects - Part 3	4
6	Specifying and selecting the appropriate site	4
7	Identify the relevant laws, rules and legislations	4
8	Define feasible urban design problems	4
9	Collect information to understand the selected problems - Part 1	4
10	Collect information to understand the selected problems - Part 2	4
11	Analyzing the collected data to reach the main objectives	4
12	Developing three scenarios or concepts - Part 1	4
13	Developing three scenarios or concepts - Part 2	4
14	Developing three scenarios or concepts - Part 3	4
15	Evaluating the concepts based on assessment criteria	4
	Total	60

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	Cont. Assess. (Eval. of Report , Eval. of Project(s))	1 to 15	70
2	Mid-Term Exam (Eval. of Report)	7	10
3	Final Submission of the Project and Report	16	20

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Watson, D. (2011). Time-Saver Standards for Urban Design. McGraw-Hill.
	Carmona, M. (2021). Public places urban spaces: The dimensions of urban design. Routledge.
Supportive References	Friedman, A. (2022). Designing Innovative Sustainable Neighborhoods. Routledge.
	Friedman, A. (2020). Fundamentals of sustainable urban design. Springer.
	Friedman, A. (2014). Fundamentals of sustainable neighbourhoods. Springer.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Studio
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Wajdy Sadagh A. Qattan	**Adnan Yehya Alshahrani**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission

اعتماد
NCAAA

2024
TP-153

Course Specification
(Bachelor)

Course Title:	**Urban Environmental Control**
Course Code:	**ARC 4610**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Design)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UD11

Courses Group: Urban Des.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 4 Level 8

4. Course general description:

This course explores the critical role of environmental comfort in urban design, focusing on creating successful public spaces. It examines how factors such as sunlight, shade, temperature, humidity, precipitation, wind, and noise affect the usability and experience of urban environments. This course will analyze these elements to understand their impact on comfort and design effective urban spaces that enhance public well-being and satisfaction.

5. Pre-requirements for this course (if any):

ARC 4601	New Areas Urban Design Studio	Year: 4	Level: 7

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to help students understand the various factors influencing the built environment and the interaction between humans and their surroundings. Students will explore the impact of environmental elements on urban spaces and analyze the forces shaping the built environment. The course encourages active participation in identifying and addressing environmental challenges within urban contexts.

2. Teaching mode

(Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Explain the impact of different aspects on the built environment. (K1-h)	**K1**	Direct Learning (Lecture)	Written Exam
1.2	Demonstrate an understanding of the mutual integration between human and the environment. (K1-i)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
	Skills			
2.1	Analyze factors shaping and influencing the built environment. (S1-l)	**S1**	Self–Learning	Assignments & Tasks
	()			
	Values, autonomy, and responsibility			
3.1	Contribute actively to addressing challenges related to the built environment. (V2-a)	**V2**	Self–Learning	Assignments & Tasks

C. Course Content

No	List of Topics	Contact
1	The microclimate	2
2	Introduction	2
3	Urban design in different climates: Hot, and dry and hot regions	2
4	Urban design in different climates: humid regions	2
5	Thermal comfort in outdoor environments	2
6	Solar radiation: Designing for sun and shade - Part 1	2
7	Solar radiation: Designing for sun and shade - Part 2	2
8	Humidity and precipitation	2
9	Air movement - The wind environment	2
10	Natural lighting	2
11	Noise level	2
12	Bioclimatic design at the site planning scale	2
13	Urban environmental control: Case study 1	2
14	Urban environmental control: Case study 2	2
15	Urban environmental control: Case study 3	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Assignments & Tasks)	1 to 15	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Carmona, M. (2021). Public places urban spaces: The dimensions of urban design. Routledge.
	Watson, D. (2011). Time-Saver Standards for Urban Design. McGraw-Hill.
Supportive References	Lau, K., Tan, Z., & Ren, C. (2021). Outdoor thermal comfort in urban environment. Spriger.
	ASCE. (2004). Outdoor human comfort and its assessment.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Wajdy Sadagh A. Qattan	**Adnan Yehya Alshahrani**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission

اعتماد
NCAAA

2024
TP-153

Course Specification
(Bachelor)

Course Title:	**Sustainable Urban Design**
Course Code:	**ARC 4611**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Design)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UD13

Courses Group: Urban Des.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 4 Level 8

4. Course general description:

This course explores the principles and practices of sustainable urban design, focusing on creating environmentally responsible and resilient urban environments. Students will learn to integrate green infrastructure, energy-efficient systems, and sustainable resources into urban planning. The course equips students with the skills needed to design urban areas that balance ecological health, economic viability, and community well-being, preparing them to contribute to the development of sustainable and vibrant cities.

5. Pre-requirements for this course (if any):

ARC 4601 New Areas Urban Design Studio Year: 4 Level: 7

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

course aims to equip students with a comprehensive understanding of the relationship between humans and their environment, emphasizing the importance of sustainability in urban planning. Students will learn to apply various strategies and methods to create sustainable built environments and will be encouraged to independently seek knowledge to address urban challenges. The course fosters active participation in finding solutions that promote environmental, social, and economic sustainability in urban design.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of the mutual integration between human and the environment. (K1-i)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
1.2	Demonstrate a clear understanding of how to achieve a sustainable built environment. (K1-j)	**K1**	Direct Learning (Lecture)	Written Exam
	Skills			
2.1	Utilize diverse means to achieve a sustainable built environment. (S1-j)	**S1**	Self–Learning	Eval. of Research
2.2	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning	Eval. of Research
	()			
	Values, autonomy, and responsibility			
3.1	Contribute actively to addressing challenges related to the built environment. (V2-a)	**V2**	Self–Learning	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	Introduction to sustainability and key sustainable urban design outcomes	2
2	Energy use & greenhouse gas, part 1	2
3	Energy use & greenhouse gas, part 2	2
4	Energy use & greenhouse gas, part 3	2
5	Water, part 1	2
6	Water, part 2	2
7	Ecology & habitat, part 1	2
8	Ecology & habitat, part 2	2
9	Energy use & production, part 1	2
10	Energy use & production, part 2	2
11	Equity & health	2
12	Case study analysis - Part 1	2
13	Case study analysis - Part 2	2
14	Case study analysis - Part 3	2
15	Case study analysis - Part 4	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research)	14	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Larco, N, and Kaarin K. (2024). The Sustainable Urban Design Handbook. Routledge.
	Friedman, A. (2020). Fundamentals of sustainable urban design. Springer.
Supportive References	Friedman, A. (2022). Designing Innovative Sustainable Neighborhoods. Routledge.
	U.S. Green Building Council. (2013). LEED Reference Guide for Green Neighborhood Development.
	Friedman, A. (2014). Fundamentals of sustainable neighbourhoods. Springer.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Wajdy Sadagh A. Qattan	**Adnan Yehya Alshahrani**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
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Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
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9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Urban Design Track

Electives

Course Specification
(Bachelor)

Course Title:	**Advanced studies in Landscape Architecture**
Course Code:	**ARC 4631**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Design)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UD27-e ** Elective Course 2: Urban Design Courses Group: Urban Des.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required		Elective	●						

3. Year/ level at which this course is offered: Year 4 Level 8

4. Course general description:

This course delves into complex landscape architecture concepts, with a focus on sustainable design, ecological systems, and innovative techniques for large-scale projects. Students will explore advanced topics such as green infrastructure, ecological restoration, urban ecology, climate-responsive design, sustainable water management, and biodiversity in urban areas. The course also examines the relationship between landscape design and public health, energy-efficient strategies, cultural landscapes, and the use of innovative materials in landscape architecture.

5. Pre-requirements for this course (if any):

ARC 4601	New Areas Urban Design Studio	Year: 4	Level: 7

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to provide students with an in-depth understanding of advanced concepts in landscape architecture. Students will independently seek and apply relevant knowledge, effectively collaborate and communicate, and actively address challenges in creating sustainable and innovative landscape solutions.

2. Teaching mode

(Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of a wide range of advanced knowledge related to the built environment. (K1-k)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
	Skills			
2.1	Analyze factors shaping and influencing the built environment. (S1-l)	**S1**	Interactive L. (Dialogue & discussion)	Written Exam
2.2	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning (Research work)	Eval. of Research
2.3	Effectively engage in communication with others. (S5-a)	**S5**	Self–Learning (Research work)	Eval. of Research
	()			
	Values, autonomy, and responsibility			
3.1	Contribute actively to addressing challenges related to the built environment. (V2-a)	**V2**	Self–Learning	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	Site analysis and assessment	2
2	Techniques: Site grading	2
3	Techniques: Stormwater management	2
4	Site utilities: Water supply	2
5	Site utilities: Sewage disposal	2
6	Site utilities: Recreational water bodies	2
7	Site utilities: Irrigation	2
8	Special conditions: Interior landscapes	2
9	Special conditions: Disturbed landscapes	2
10	Special conditions: Sound control	2
11	Special conditions: Roof and deck landscapes	2
12	Energy and resource conservation	2
13	Outdoor accessibility	2
14	Natural hazards: Land subsidence and expansive soils	2
15	Research development	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research)	14	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Dines, N., & Brown, K. (2023). Time-saver standards for landscape architecture. McGraw-Hill.
	0
Supportive References	Shehata, A. (2021). Design of Outdoor Spaces. Universal Publishing Ltd.
	Allen, E., Ryan, T., & Rand, P. (2013). Detailing for landscape architects. Wiley.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Internet connection
	Powerful computer/ laptop
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Mohanad A. Saddiq Alfelali	**Adnan Yehya Alshahrani**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Cities Centers**
Course Code:	**ARC 4632**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Design)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UD28-e ** Elective Course 2: Urban Design Courses Group: Urban Des.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required		Elective	●						

3. Year/ level at which this course is offered: Year 4 Level 8

4. Course general description:

This course explores the foundational theories of planning and developing city centers, with a focus on the challenges faced by urban centers globally and in Saudi cities. Students will examine key issues such as congestion, accessibility, and infrastructure, and study strategies to address these problems. The course covers both quantitative and qualitative survey methods, along with techniques for redeveloping and revitalizing city centers to enhance their functionality and sustainability.

5. Pre-requirements for this course (if any):

ARC 4601 New Areas Urban Design Studio Year: 4 Level: 7

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to equip students with advanced knowledge of city centers, focusing on analyzing the factors that shape and influence these dynamic spaces. Students will develop the ability to independently research and apply relevant insights, engage effectively in collaborative communication, and contribute actively to addressing challenges in the built environment.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of a wide range of advanced knowledge related to the built environment. (K1-k)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
	Skills			
2.1	Analyze factors shaping and influencing the built environment. (S1-l)	**S1**	Interactive L. (Dialogue & discussion)	Written Exam
2.2	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning (Research work)	Eval. of Research
2.3	Effectively engage in communication with others. (S5-a)	**S5**	Self–Learning (Research work)	Eval. of Research
	()			
	Values, autonomy, and responsibility			
3.1	Contribute actively to addressing challenges related to the built environment. (V2-a)	**V2**	Self–Learning	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	Introduction	2
2	Main problems of city centers - Part 1	2
3	Main problems of city centers - Part 2	2
4	Main elements of city centers	2
5	Patterns of city centers	2
6	Theoretical and conceptual approaches used in planning city centers - Part 1	2
7	Theoretical and conceptual approaches used in planning city centers - Part 2	2
8	Toward safer city centers	2
9	Strategies for solving problems of city centers - Part 1	2
10	Strategies for solving problems of city centers - Part 2	2
11	City centers in Saudi Arabia	2
12	Main problems of city centers in Saudi Arabia	2
13	Case study analysis - Part 1	2
14	Case study analysis - Part 2	2
15	Research development	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research)	14	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Ruimte, M. (2012). Environmental Problems of the City Centres. Springer.
	Helms, G., Boyle, M., Mitchell, D., & Pinder, D. (2016). Towards Safe City Centres?. Taylor & Francis.
Supportive References	Alexander, I. (1975). The City Centre: Patterns and Problems. Intl Specialized Book Services.
	Oc, T. (1997). Safer city centres. P. Chapman Publ.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Internet connection
	Powerful computer/ laptop
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Mohanad A. Saddiq Alfelali	**Adnan Yehya Alshahrani**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Selected Topics in Urban Design**
Course Code:	**ARC 4634**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Design)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UP30-e ** Elective Course 2: Urban Planning Courses Group: Urban Des.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

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3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required		Elective	●						

3. Year/ level at which this course is offered: Year 4 Level 8

4. Course general description:

This course offers a seminar-style exploration of specialized urban design topics, with a syllabus that evolves annually to reflect current trends and issues. Students will engage in discussions on various subjects such as the impact of human settlements on urban ecosystems, perceptual boundaries within cities, waterfront development, and restorative city concepts. The course provides an opportunity to deepen understanding and complement other urban design studies through contemporary, relevant topics.

5. Pre-requirements for this course (if any):

ARC 4601 New Areas Urban Design Studio Year: 4 Level: 7

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to deepen students' understanding of advanced topics in urban design, emphasizing the analysis of factors that shape and influence the built environment. Students will develop skills to independently research, effectively communicate in collaborative settings, and actively contribute to solving challenges related to urban design.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of a wide range of advanced knowledge related to the built environment. (K1-k)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
	Skills			
2.1	Analyze factors shaping and influencing the built environment. (S1-l)	**S1**	Interactive L. (Dialogue & discussion)	Written Exam
2.2	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning (Research work)	Eval. of Research
2.3	Effectively engage in communication with others. (S5-a)	**S5**	Self–Learning (Research work)	Eval. of Research
	()			
	Values, autonomy, and responsibility			
3.1	Contribute actively to addressing challenges related to the built environment. (V2-a)	**V2**	Self–Learning	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	Introduction to the course	2
2	Research title selection	2
3	Analyze relevant research papers - Part 1	2
4	Analyze relevant research papers - Part 2	2
5	Problem statement and methodology	2
6	Literature review - Part 1	2
7	Literature review - Part 2	2
8	Literature review - Part 3	2
9	Applying the methodology - part 1	2
10	Applying the methodology - part 2	2
11	Applying the methodology - part 3	2
12	The conclusion and recommendations	2
13	Research refining - Part 1	2
14	Research refining - Part 2	2
15	Research refining - Part 3	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research)	14	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	References vary on yearly basis
	0
Supportive References	Coaffee J., and Peter L. (2017). Urban Resilience. Bloomsbury Publishing
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Internet connection
	Powerful computer/ laptop
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Mohanad A. Saddiq Alfelali	**Adnan Yehya Alshahrani**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission

اعتماد
NCAAA

2024
TP-153

Course Specification
(Bachelor)

Course Title:	**Terminals Planning and Design**
Course Code:	**ARC 4633**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Design)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UD29-e ** Elective Course 2: Urban Design Courses Group: Urban Des.

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A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required		Elective	●						

3. Year/ level at which this course is offered: Year 4 Level 8

4. Course general description:

This course focuses on the planning and design of transportation terminals, including airports, seaports, rail stations, and bus terminals. It covers key principles for designing efficient, functional, and user-friendly terminals. Students will explore topics such as space planning, passenger flow management, safety, and integration with urban infrastructure. The course also addresses strategies for optimizing terminal capacity and operations, ensuring smooth transitions between different modes of transportation.

5. Pre-requirements for this course (if any):

ARC 4601 New Areas Urban Design Studio Year: 4 Level: 7

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to provide students with advanced knowledge of terminal planning and design, focusing on analyzing the factors influencing these critical mega projects. Students will cultivate the ability to independently research and apply relevant insights, effectively communicate in collaborative settings, and actively address challenges associated with terminal design within the built environment.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of a wide range of advanced knowledge related to the built environment. (K1-k)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
	Skills			
2.1	Analyze factors shaping and influencing the built environment. (S1-l)	**S1**	Interactive L. (Dialogue & discussion)	Written Exam
2.2	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning (Research work)	Eval. of Research
2.3	Effectively engage in communication with others. (S5-a)	**S5**	Self–Learning (Research work)	Eval. of Research
	()			
	Values, autonomy, and responsibility			
3.1	Contribute actively to addressing challenges related to the built environment. (V2-a)	**V2**	Self–Learning	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	Introduction	2
2	Transit oriented development - Part 1	2
3	Transit oriented development - Part 2	2
4	Seaports terminals	2
5	Railways terminals	2
6	Airports - Part 1	2
7	Airports - Part 2	2
8	Airports - Part 3	2
9	Bus terminals	2
10	Parking lots	2
11	Examining and improving terminal operations - Part 1	2
12	Examining and improving terminal operations - Part 2	2
13	Terminal operations through modeling - Part 1	2
14	Terminal operations through modeling - Part 2	2
15	Research development	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research)	14	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Blow, C. (2012). Transport Terminals and Modal Interchanges. Routledge.
	Robert, S. (2024). The Evolution of Airport Design. Taylor & Francis.
Supportive References	Brown, L. (2010). Airport passenger terminal planning and design. Transportation Research Board.
	Dittmar, H., and Ohland, G. (2004). The new transit town : Best practices in transit-oriented development. Island Press.
	Angershou, H. (2004). Planning and design of ports and marine terminals. Civil Eng Pub.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Internet connection
	Powerful computer/ laptop
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Mohanad A. Saddiq Alfelali	**Adnan Yehya Alshahrani**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
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	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Level [9]

Field Experience Specification
(Bachelor)

Course Title:	**Cooperative Training**
Course Code:	**ARC 4613**
Program:	**Architecture and Planning**
Department:	**Architecture**
College:	**College of Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Field Experience Version Number:	**1**
Last Revision Date:	**15 Dec. 2024**

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A. General information about the course: 3

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 3

C. Field Experience Administration 5

D. Training Quality Evaluation 7

E. Specification Approval Data 7

A. Field Experience Details:

1. Credit hours:		
6 Cr.		
2. Level/year at which Field Experience is offered:		
Summer of the fourth year and level 9 of the fifth year		
3. Time allocated for Field Experience activities		
(20) Weeks	(100) Days	(800) Hours
4. Corequisite (or prerequisites if any) to join Field Experience		
ARC 4607 Existing Areas Urban Design Studio		
5. Mode of delivery		
☒ In-person/onsite	☐hybrid (onsite/online)	☐Online

B. Field Experience Course Learning Outcomes (CLOs), Training Activities and Assessment Methods

Code	Learning Outcomes	Aligned PLO Code	Training Activities	Assessment Methods	Assessment Responsibility
1.0	**Knowledge and understanding**				
1.1	Demonstrate an understanding of wide range of advanced knowledge related to the built environment. (K1-k)	K1	Experiential L. (Practical training)	Eval. of Report	Supervisor
1.2	Demonstrate an understanding of professional ethics and responsibilities. (K3-a)	K3	Experiential L. (Practical training)	Eval. of Report	Supervisor
2.0	**Skills**				
2.1	Apply professional and regulatory standards. (S1-g)	S1	Experiential L. (Practical training)	Eval. of Report	Supervisor

Code	Learning Outcomes	Aligned PLO Code	Training Activities	Assessment Methods	Assessment Responsibility
2.2	Carry out complex practical tasks and procedures related to professional practice. (S8-a)	S8	Experiential L. (Practical training)	Any evidence that demonstrates progress in this objective.	Supervisor
3.0	**Values, autonomy, and responsibility**				
3.1	Demonstrate self-discipline and punctuality. (V1-a)	V1	Experiential L. (Practical training)	Evaluation of Attendance Reports	Supervisor
3.2	Demonstrate responsibility for self-learning and ongoing development. (V2-b)	V2	Experiential L. (Practical training)	Eval. of Report	Supervisor
3.3	Collaborate effectively and lead diverse teams to complete tasks responsibly and constructively. (V2-c)	V2	Experiential L. (Practical training)	Eval. of Report	Supervisor
3.4	Mange and complete tasks efficiently under pressure and within deadlines. (V3-a)	V3	Experiential L. (Practical training)	Eval. of Report	Supervisor

*Assessment methods (i.e., practical test, field report, oral test, presentation, group project, essay, etc.).

C. Field Experience Administration

1. Field Experience Flowchart for Responsibility

Including units, departments, and committees responsible for field experience identifying by the interrelations.

Step 1: Evidence: Documentation of experience by the trainee.

Step 2: Reflection: commentary of the trainee on experiences and learning that has resulted and how the objectives were fulfilled.

Step 3: Evaluation: studying the evidence by the examiners.

Step 4: Defending the evidence: a dialog between the trainee and the examiners.

Step 5: Decision.

2. Distribution of Responsibilities for Field Experience Activities

Activity	Department or College	Teaching Staff	Student	Training Organization	Field Supervisor
Selection of a field experience site	●	●	●		
Selection of supervisory staff				●	●
Provision of the required equipment				●	
Provision of learning resources				●	
Ensuring the safety of the site	●	●	●	●	●
Commuting to and from the field experience site			●		
Provision of support and guidance	●	●			●
Implementation of training activities (duties, reports, projects, ...)	●	●			
Follow up on student training activities	●	●			●

Activity	Department or College	Teaching Staff	Student	Training Organization	Field Supervisor
Adjusting attendance and leave					●
Assessment of learning outcomes	●	●		●	●
Evaluating the quality of field experience	●		●		●
Others (specify)	None	None	None	None	None

3. Field Experience Location Requirements

Suggested Field Experience Locations	General Requirements*	Special Requirements**
Urban design consultant firms	Should pass the prerequisite courses. Should be pre-approved by the coordinator	Reputable offices
Landscape consultant firms		Following safety standards

*E.g. provides information technology, equipment, laboratories, halls, housing, learning sources, clinics … etc.
** E.g. Criteria of the institution offering the training or those related to the specialization, such as safety standards, dealing with patients in medical specialties … etc.

4. Decision-Making Procedures for Identifying Appropriate Locations for Field Experience

This training provides students with an opportunity to enrich their experience by linking academic studies to actual practical situations. Students will also have the opportunity to assess their professional interests in their respective fields. The trainee student is subject to all the organizational rules and vacations system in the firm in which he trains. Training opportunities with urban design or landscape firms are selected by the department; however, students can select an opportunity to train after department approval.

Criteria to evaluate potential firms:

- Relevance: The firm must align with urban design / landscape topics.
- Accessibility: Ensure the location is physically accessible for students.
- Educational Value: The firm should offer real-world examples of urban issues, innovations, or strategies.
- Safety: Prioritize sites (if applicable) that meet safety standards for student trainees.
- Collaboration Potential: Prefer locations where partnerships with firms, municipalities, or developers are possible.

5. Safety and Risk Management

Potential Risks	Safety Actions	Risk Management Procedures
Exposure to hazards on construction sites (e.g., falling objects, unstable surfaces)	Provide Personal Protective Equipment (PPE): helmets, vests, boots, gloves, and safety goggles.	Conduct a site safety briefing before visits and ensure constant supervision.
Slips, trips, and falls during site visits or outdoor work	Identify and mark uneven or hazardous areas. Train students to navigate safely.	Perform a site risk assessment and implement hazard warnings/signage.
Heat stress or dehydration in outdoor projects	Ensure availability of water resources and schedule work during cooler hours.	Develop a heat management plan and monitor symptoms of heat stress.

D. Training Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Teaching staff, workload, training program effectiveness and appropriateness, and quality of learning resources employed.	Students	Indirect evaluation (Course Evaluation Survey)
Direct observation of	Field Supervisor	Direct evaluation (Attendance forms and final Report)
Student skills	Peer Reviewer	Direct evaluation (Final Report of the student)

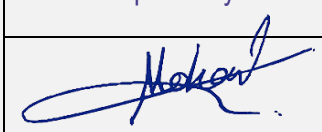
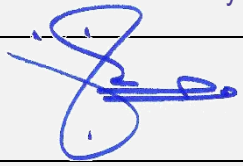
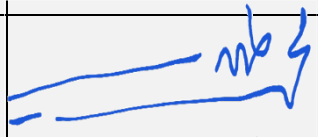
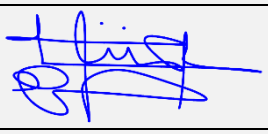
Evaluation areas (e.g., Effectiveness of Training and assessment, Extent of achievement of course learning outcomes, Quality of learning resources, etc.)

Evaluators (Students, Supervisory Staff, Program Leaders, Peer Reviewer, Others (specify)

Assessment Methods (Direct, Indirect)

E. Specification Approval Data

Council /Committee	
Reference No.	
Date	

Prepared by	Initial Review by	Course Coordinator	Head of Department
			
Mohamed Atef kamel	Mohamed Aljefri	Mohamed A. Almahdi	Oumr Adnan Osra

Level [10]

Course Specification
(Bachelor)

Course Title:	**Integrated Urban Design Studio 2**
Course Code:	**ARC 4614**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Design)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UD16

Courses Group: Urban Des.

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2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	5 Cr. Hrs.	**Contact hours:**	10 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 5 Level 10

4. Course general description:

This studio serves as the final graduation project where students are expected to apply the skills and knowledge gained throughout their academic journey. Each student will independently work on an urban project approved in the previous semester through the "Graduation Project Research" course. Students will develop and assess urban design alternatives, selecting and refining the most effective solutions to produce a detailed final layout aimed at revitalizing and enhancing the chosen urban area.

5. Pre-requirements for this course (if any):

ARC 4613	Cooperative Training	Year: 5	Level: 9
ARC 4609	Integrated Urban Design Studio 1	Year: 4	Level: 8

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This studio is designed to help students develop a deep understanding of urban design theories and their application in solving complex problems related to the built environment. Students will create innovative concepts and forms for urban spaces, integrating design theories and methods into their projects. The course emphasizes the use of digital tools throughout the design process and encourages students to actively contribute to addressing urban challenges. Additionally, students will learn to manage tasks efficiently, working under pressure and meeting deadlines to deliver high-quality urban design solutions.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	10	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	0
2	Practical	0
3	Studio	150
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**150**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of theories of the built environment. (K1-f)	**K1**	Interactive L. (Dialogue & discussion)	Eval. of Project(s)
	Skills			
2.1	Solve complicated problems associated with the built environment. (S1-b)	**S1**	Indirect L. (Problems solving)	Eval. of Project(s)
2.2	Create innovative concepts and forms for the built environment. (S1-c)	**S1**	Self–Learning	Eval. of Project(s)
2.3	Apply the theories and methods of designing the built environment. (S1-d)	**S1**	Self–Learning	Eval. of Project(s)
2.4	Effectively use digital skills throughout the design process of the built environment. (S6-a)	**S6**	Self–Learning	Eval. of Project(s)
	()			
	Values, autonomy, and responsibility			
3.1	Contribute actively to addressing challenges related to the built environment. (V2-a)	**V2**	Self–Learning	Eval. of Project(s)
3.2	Mange and complete tasks efficiently under pressure and within deadlines. (V3-a)	**V3**	Self–Learning	Assignments & Tasks

C. Course Content

No	List of Topics	Contact
1	Development of various aspects of the selected alternative - Part 1	10
2	Development of various aspects of the selected alternative - Part 2	10
3	Development of various aspects of the selected alternative - Part 3	10
4	Development of various aspects of the selected alternative - Part 4	10
5	Development of various aspects of the selected alternative - Part 5	10
6	Development of various aspects of the selected alternative - Part 6	10
7	Development of various aspects of the selected alternative - Part 7	10
8	Development of various aspects of the selected alternative - Part 8	10
9	Preparing an implementation framework	10
10	Defining appropriate policies, actions and legal instruments- Part 1	10
11	Defining appropriate policies, actions and legal instruments- Part 2	10
12	Detailed urban design - Partr 2	10
13	Project Development - Part 1	10
14	Project Development - Part 2	10
15	Project Development - Part 3	10
	Total	150

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	Cont. Assess. (Eval. of Project(s), Assignments & Tasks)	1 to 15	70
2	Mid-Term Exam (Eval. of One of the Project Stages)	7	10
3	Final Submission (Final Project Oral Exam)	16	20

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Watson, D. (2011). Time-Saver Standards for Urban Design. McGraw-Hill.
	Carmona, M. (2021). Public places urban spaces: The dimensions of urban design. Routledge.
Supportive References	Friedman, A. (2022). Designing Innovative Sustainable Neighborhoods. Routledge.
	Friedman, A. (2020). Fundamentals of sustainable urban design. Springer.
	Friedman, A. (2014). Fundamentals of sustainable neighbourhoods. Springer.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Studio
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Wajdy Sadagh A. Qattan	**Adnan Yehya Alshahrani**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission

اعتماد
NCAAA

2024
TP-153

Course Specification
(Bachelor)

Course Title:	**Conservation of Heritage Sites**
Course Code:	**ARC 4615**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Design)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UD17

Courses Group: Urban Des.

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A. General Information about the course 3

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B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

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D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 5 Level 10

4. Course general description:

This course highlights the significance of urban heritage and provides a comprehensive overview of identification, classification, and documentation criteria for conservation. Students will learn to assess urban and environmental threats such as neglect, maintenance issues, and deterioration. The course covers principles and levels of conservation, including various restoration techniques, equipping students with the knowledge to preserve and restore valuable urban heritage effectively.

5. Pre-requirements for this course (if any):

ARC 4607	Existing Areas Urban Design Studio	Year: 4	Level: 8

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to equip students with a comprehensive understanding of the processes, methods, and principles involved in preserving the built heritage. Students will learn to describe and apply various conservation techniques to safeguard heritage sites, ensuring their preservation for future generations. The course encourages active contributions to addressing challenges within the built environment, while fostering responsibility for self-learning and ongoing professional development in the field of heritage conservation.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Explain processes, methods and fundamentals of designing the built environment. (K1-a)	**K1**	Direct Learning (Lecture)	Written Exam
1.2	Describe the conservation methods of the built heritage. (K1-g)	**K1**	Direct Learning (Lecture)	Written Exam
	Skills			
2.1	Apply various conservation methods to preserve the built heritage. (S1-k)	**S1**	Self–Learning	Eval. of Research
	()			
	Values, autonomy, and responsibility			
3.1	Contribute actively to addressing challenges related to the built environment. (V2-a)	**V2**	Self–Learning	Eval. of Research
3.2	Demonstrate responsibility for self-learning and ongoing development. (V2-b)	**V2**	Self–Learning	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	Definition and importance of conservation of urban heritage	2
2	Kinds, patterns and levels of urban heritage	2
3	Preservation techniques	2
4	Restoration and rehabilitation	2
5	Adaptive reuse	2
6	Conservation ethics: Integrity and authenticity	2
7	Conservation process: Identifying urban heritage	2
8	Conservation process: Implementation - Part 1	2
9	Conservation process: Implementation - Part 2	2
10	Conservation process: Evaluation	2
11	International experiences of protecting urban heritage	2
12	Regional experiences of protecting urban heritage - Part 1	2
13	Regional experiences of protecting urban heritage - Part 2	2
14	National experiences of protecting urban heritage in Saudi Arabia - Part 1	2
15	National experiences of protecting urban heritage in Saudi Arabia - Part 2	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research)	14	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Kalman, H., & Letourneau, M. (2014). Heritage planning: Principles and Process. Routledge.
	Ministry of Municipalities and Village. (1426 H). Guide for the Conservation of Urban Heritage.
Supportive References	Bagader, M. (2019). The Evolution of Built Heritage Conservation Policies in KSA. LAP LAMBERT.
	Pickard, R. (2012). Policy and law in heritage conservation. Taylor & Francis.
	Rodwell, D. (2009). Conservation and Sustainability in Historic Cities. Wiley.
	Germanà M., et al. (2023). Conservation of Architectural Heritage (CAH). Springer.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Wajdy Sadagh A. Qattan	**Adnan Yehya Alshahrani**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Professional Practice of Urban Design**
Course Code:	**ARC 4616**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Design)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UD18

Courses Group: Prof. Pract. & Train.

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1. Course Identification 3

2. Teaching mode 3

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D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 5 Level 10

4. Course general description:

This course provides a comprehensive overview of the principles of professional urban practice in Saudi Arabia. It covers ethical standards, the Code of Conduct, and the legal frameworks governing the profession. Additionally, the course explores the planners' role and responsibilities, as well as essential professional skills such as resume preparation, portfolio development, interview techniques, and hiring processes. Students will be well-prepared for a responsible, competent, and effective career in urban design.

5. Pre-requirements for this course (if any):

ARC 4613 Cooperative Training Year: 5 Level: 9

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to provide students with a solid understanding of the ethical responsibilities and professional conduct required in urban design. Students will learn to identify and navigate the laws, rules, and regulations that govern the built environment. The course emphasizes effective communication, both in terms of interpersonal interactions and using digital tools to enhance communication. Additionally, it encourages students to take responsibility for their own learning and ongoing professional development in urban design practice.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of professional ethics and responsibilities. (K3-a)	**K3**	Interactive L. (Dialogue & discussion)	Written Exam
1.2	Identify the relevant laws, rules and legislations that regulate the built environment. (K3-b)	**K3**	Direct Learning (Lecture)	Written Exam
	Skills			
2.1	Effectively engage in communication with others. (S5-a)	**S5**	Self–Learning	Eval. of Presentation
2.2	Effectively apply digital skills to enhance communication. (S5-b)	**S5**	Self–Learning	Eval. of Portfolio
	()			
	Values, autonomy, and responsibility			
3.1	Demonstrate responsibility for self-learning and ongoing development. (V2-b)	**V2**	Self–Learning	Assignments & Tasks

C. Course Content

No	List of Topics	Contact
1	An introduction to urban design profession	2
2	History of practicing urban design globally and in the Kingdom	2
3	The professional role of the urban designer	2
4	Competencies of an urban designer	2
5	Ethics in urban design profession	2
6	Regulations and rules that govern the professional practice	2
7	Practicing the urban design profession in Saudi Arabia	2
8	Saudi council of engineers: Professional accreditation	2
9	how urban design firms are formed and organized	2
10	Principles for administering an urban design office	2
11	Planning documents preparation	2
12	Interviewing skills	2
13	Writing of curriculum vitae (CV)	2
14	Portfolio preparation techniques	2
15	Review of students' Curricula Vitae and Portfolios	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Presentation, Eval. of Portfolio, Assignments & Tasks)	1 to 15	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Saudi building code National committee (2018). The Saudi building code general 201.
	Bayer, M. & Frank, N. (2010). Becoming an Urban Planner. Wiley.
Supportive References	Unwin, R. (2020). Town design in practice. [publisher not identified].
	Piven, P. (2008). Architect's essentials of starting, assessing, and transitioning a design firm. Wiley.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Wajdy Sadagh A. Qattan	**Mohammad Abdullah Almahdi**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Urban Mobility**
Course Code:	**ARC 4617**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Design)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UD19

Courses Group: Urban Des.

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B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 5 Level 10

4. Course general description:

This course examines the intricate relationship between transportation, land use, and urban form, exploring how these factors influence each other. Students will analyze how urban accessibility affects human development and learn about strategies to enhance accessibility and promote low-carbon mobility. The course also evaluates the conditions that contribute to livable neighborhoods and the effectiveness of green transportation policies in urban environments, equipping students with insights into sustainable urban design.

5. Pre-requirements for this course (if any):

ARC 4607	Existing Areas Urban Design Studio	Year: 4	Level: 8

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

course aims to equip students with an understanding of the theories and principles that underpin the built environment, particularly in relation to transportation systems. Students will gain a clear understanding of how to achieve sustainable urban mobility solutions and explore various types of infrastructure systems that contribute to the built environment. The course encourages the analysis of factors shaping urban mobility and their impact on the environment. Additionally, it emphasizes the importance of self-learning and continuous professional development in the field of urban mobility and infrastructure planning.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of theories of the built environment. (K1-f)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
1.2	Demonstrate a clear understanding of how to achieve a sustainable built environment. (K1-j)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
1.3	Demonstrate an understanding of various types of infrastructure systems. (K2-b)	**K2**	Direct Learning (Lecture)	Written Exam
	Skills			
2.1	Analyze factors shaping and influencing the built environment. (S1-l)	**S1**	Interactive L. (Dialogue & discussion)	Written Exam
	()			
	Values, autonomy, and responsibility			
3.1	Demonstrate responsibility for self-learning and ongoing development. (V2-b)	**V2**	Self–Learning (Research work)	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	Introduction to urban mobility	2
2	Urban mobility challenges	2
3	The state of urban passenger transport	2
4	Metro, Light Rail and BRT	2
5	Urban goods transport	2
6	Mobility and urban form - Part 1	2
7	Mobility and urban form - Part 2	2
8	Equitable access to urban mobility	2
9	Urban mobility and the environment	2
10	Sustainable urban mobility - Part 1	2
11	Sustainable urban mobility - Part 2	2
12	Smart urban mobility innovations - Part 1	2
13	Smart urban mobility innovations - Part 2	2
14	Case study 1	2
15	Case study 2	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research)	14	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	UN-habitat. (2013). Planning and Design for Sustainable Urban Mobility. Routledge.
	Jensen, Ole B. (2022). Handbook of Urban Mobilities. Abingdon, Oxon ; New York, Ny, Routledge.
Supportive References	Coxon, S., Napper, R., & Richardson, M. (2018). Urban mobility design. Elsevier.
	Whitelegg, J. (2016). Mobility. Createspace independent Publishing platform.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Wajdy Sadagh A. Qattan	**Adnan Yehya Alshahrani**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Streetscape**
Course Code:	**ARC 4618**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Design)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UD21

Courses Group: Urban Des.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

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B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 5 Level 10

4. Course general description:

This course explores the design and development of streetscapes as essential elements of urban environments. Students will examine the role of streets in shaping public spaces, focusing on the integration of pedestrian pathways, landscaping, street furniture, and transportation infrastructure. The course emphasizes creating functional, aesthetically pleasing, and sustainable streetscapes that enhance urban life, improve mobility, and contribute to social interaction and environmental health in cities.

5. Pre-requirements for this course (if any):

ARC 4607	Existing Areas Urban Design Studio	Year: 4	Level: 8

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to equip students with the knowledge and skills needed to design functional and aesthetically appealing streetscapes. Students will explore the integration of infrastructure, materials, lighting, and landscaping, while applying design theories to create sustainable urban spaces that enhance user experience, accessibility, and environmental sustainability.

2. Teaching mode

(Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of theories of the built environment. (K1-f)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
1.2	Explain the impact of different aspects on the built environment. (K1-h)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
1.3	Demonstrate an understanding of various types of infrastructure systems. (K2-b)	**K2**	Direct Learning (Lecture)	Written Exam
	Skills			
2.1	Apply the theories and methods of designing the built environment. (S1-d)	**S1**	Self–Learning (Research work)	Eval. of Research
2.2	Analyze factors shaping and influencing the built environment. (S1-l)	**S1**	Interactive L. (Dialogue & discussion)	Written Exam
	()			
	Values, autonomy, and responsibility			
3.1	Contribute actively to addressing challenges related to the built environment. (V2-a)	**V2**	Self–Learning (Research work)	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	Street design concepts	2
2	Street hierarchies	2
3	Urban infrastructure	2
4	Infrastructure technologies	2
5	Urban ppen spaces	2
6	Urban qualities	2
7	Urban furniture	2
8	Bus stops and terminals	2
9	Material properties	2
10	Signage and environmental quality	2
11	Pedestrian circulation	2
12	Bicycle circulation	2
13	Vehicular circulation and traffic calming	2
14	Case study 1	2
15	Case study 2	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research)	14	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	National Association of City Transportation Officials. (2013). Urban Street Design Guide. Washington, Island Press.
	Moughtin, C. (2007). Urban design: street and square. Routledge.
Supportive References	Department of Transportation. (2013). Street Design Manual. N.Y. City .
	Dines, N., & Brown, K. (2023). Time-Saver Standards for Landscape Architecture. McGraw-Hill.
	Burton, E., and Lynne M. (2006). Inclusive Urban Design: Streets for Life. Routledge.
	مركز تطوير التصميم والتخطيط الحضري للمدن السعوديه. (2019). دليل تصميم البيئة العمرانية.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Wajdy Sadagh A. Qattan	**Adnan Yehya Alshahrani**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Graduation Project**
Course Code:	**ARC 4619**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Design)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UD22

Courses Group: Urban Des.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	3 Cr. Hrs.	**Contact hours:**	3 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 5 Level 10

4. Course general description:

This capstone course addresses urban design challenges and solutions specific to Makkah, Madinah, and the holy sites, focusing on enhancing the visual and functional aspects of these sacred spaces. Through individual research, students will apply urban design principles to address real-world issues in these significant areas. Topics include, for instance, approaches to improve open spaces, pilgrims and Umrah performers' behavior, pedestrian accessibility, and the application of solar energy solutions in the holy sites.

5. Pre-requirements for this course (if any):

ARC 4613 Cooperative Training Year: 5 Level: 9

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to enhance students' research skills by applying urban principles to real-world challenges related to sacred sites. Students will develop the ability to independently seek and analyze relevant data, using both qualitative and quantitative methods to address complex urban issues. The course emphasizes academic integrity and encourages active contributions to solving urban problems, particularly in heritage conservation and spatial expansion. It also fosters critical thinking and problem-solving, preparing students to make meaningful contributions to the built environment through their research.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	3	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	0
2	Practical	0
3	Studio	0
4	Graduation project	45
5	Training	0
6	Others (specify)	--
	Total	**45**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of research and inquiry methodologies. (K5-a)	**K5**	Self–Learning (Capstone project)	Eval. of Research
	Skills			
2.1	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning (Capstone project)	Eval. of Research
2.2	Analyze data from multiple sources. (S3-b)	**S3**	Self–Learning (Capstone project)	Eval. of Research
2.3	Formulate results of different experiments. (S3-c)	**S3**	Self–Learning (Capstone project)	Eval. of Research
2.4	Use mathematical operations and quantitative methods to process data and information. (S7-a)	**S7**	Self–Learning (Capstone project)	Eval. of Research
	()			
	Values, autonomy, and responsibility			
3.1	Demonstrate commitment to honesty and academic integrity. (V1-c)	**V1**	Self–Learning (Capstone project)	Eval. of Research
3.2	Contribute actively to addressing challenges related to the built environment. (V2-a)	**V2**	Self–Learning (Capstone project)	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	Introduction to the course	3
2	Research title selection	3
3	Analyze relevant research papers - Part 1	3
4	Analyze relevant research papers - Part 2	3
5	Problem statement and methodology	3
6	Literature review - Part 1	3
7	Literature review - Part 2	3
8	Literature review - Part 3	3
9	Applying the methodology - part 1	3
10	Applying the methodology - part 2	3
11	Applying the methodology - part 3	3
12	The conclusion and recommendations	3
13	Research refining - Part 1	3
14	Research refining - Part 2	3
15	Research refining - Part 3	3
	Total	45

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	Cont. Assess. (Eval. of Research)	1 to 15	40
2	Mid-Term Exam (Eval. of Research)	7	20
3	Final Capstone Submission	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	معهد خادم الحرمين الشريفين لأبحاث الحج والعمرة. الملتقيات العلمية لأبحاث الحج والعمرة والزيارة.
	Uqu.edu.sa. (2022). from https://uqu.edu.sa/hajj/107535.
Supportive References	
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Wajdy Sadagh A. Qattan	**Adnan Yehya Alshahrani**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Urban Design Track

Electives

Course Specification
(Bachelor)

Course Title:	**Crowd Management**
Course Code:	**ARC 4643**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Design)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UD33-e ** Elective Course 3: Urban Design Courses Group: Urban Des.

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3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required		Elective	●						

3. Year/ level at which this course is offered: Year 5 Level 10

4. Course general description:

This course focuses on the principles and practices of crowd management, emphasizing the organized planning and direction necessary for large gatherings, such as the Hajj pilgrimage in Makkah. Students will explore definitions, concepts, and types of crowds, alongside crowd management strategies and international examples. The course provides an in-depth look at managing the safety and security of large groups, with a special focus on the unique challenges posed during Hajj.

5. Pre-requirements for this course (if any):

ARC 4613 Cooperative Training Year: 5 Level: 9

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to equip students with essential knowledge in crowd management within the context of the built environment. Students will learn to independently seek and apply relevant information, engage in effective communication, and collaborate with diverse teams to lead and complete tasks responsibly and constructively.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of a wide range of advanced knowledge related to the built environment. (K1-k)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
	Skills			
2.1	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning	Eval. of Research
2.2	Effectively engage in communication with others. (S5-a)	**S5**	Collaborative L. (Teamwork Research)	Eval. of Presentation
	()			
	Values, autonomy, and responsibility			
3.1	Collaborate effectively and lead diverse teams to complete tasks responsibly and constructively. (V2-c)	**V2**	Collaborative L. (Teamwork Research)	Eval. of Research
3.2	Mange and complete tasks efficiently under pressure and within deadlines. (V3-a)	**V3**	Self–Learning	Assignments & Tasks

C. Course Content

No	List of Topics	Contact
1	Introduction to crowd science and its importance	2
2	Crowds: Definitions, concepts and types	2
3	Crowd disasters: Causes and triggers	2
4	The stages of crowd formation	2
5	Space capacity and crowds	2
6	Perceived crowding	2
7	Crowd management strategies - Part 1	2
8	Crowd management strategies - Part 2	2
9	International examples analysis - Part 1	2
10	International examples analysis - Part 2	2
11	Crowd management in the event of Hajj - Part 1	2
12	Crowd management in the event of Hajj - Part 2	2
13	Research refining - Part 1	2
14	Research refining - Part 2	2
15	Research presentation	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research, Eval. of Presentation, Assignments & Tasks)	1 to 15	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Still, G. (2019). Introduction to Crowd Science. CRC Press
	Kemp, C. & Smith, P. (2010). Case Studies in Crowd Management. Entertainment Technology Press.
Supportive References	Marx, B. (2018). Crowd Management Made Easy. Independent Publishing Platform
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Internet connection
	Powerful computer/ laptop
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Mohanad A. Saddiq Alfelali	**Adnan Yehya Alshahrani**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission

اعتماد
NCAAA

2024
TP-153

Course Specification
(Bachelor)

Course Title:	**Fundamentals of Real Estate Development**
Course Code:	**ARC 4641**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Design)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UD31-e ** Elective Course 3: Urban Design Courses Group: Urban Des.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required		Elective	●						

3. Year/ level at which this course is offered: Year 5 Level 10

4. Course general description:

This course introduces the basic principles of real estate development, focusing on the fundamental processes of planning, financing, and managing development projects. Students will explore key topics such as site selection, market analysis, project feasibility, and zoning regulations. The course covers financial modeling, risk management, and the role of developers in shaping urban environments, providing a solid foundation for understanding real estate development dynamics.

5. Pre-requirements for this course (if any):

ARC 4613 Cooperative Training Year: 5 Level: 9

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to equip students with foundational knowledge in real estate development, emphasizing the built environment's complexities. Students will cultivate independent research skills, effective communication abilities, and collaborative leadership in diverse teams to complete tasks responsibly and constructively.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of a wide range of advanced knowledge related to the built environment. (K1-k)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
	Skills			
2.1	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning	Eval. of Research
2.2	Effectively engage in communication with others. (S5-a)	**S5**	Collaborative L. (Teamwork Research)	Eval. of Presentation
	()			
	Values, autonomy, and responsibility			
3.1	Collaborate effectively and lead diverse teams to complete tasks responsibly and constructively. (V2-c)	**V2**	Collaborative L. (Teamwork Research)	Eval. of Research
3.2	Mange and complete tasks efficiently under pressure and within deadlines. (V3-a)	**V3**	Self–Learning	Assignments & Tasks

C. Course Content

No	List of Topics	Contact
1	Introduction	2
2	Real estate in context	2
3	The diversity of real estate	2
4	Real estate as an asset	2
5	Real estate as a resource	2
6	Real estate people	2
7	The basics of real estate law	2
8	The landlord and tenant relationship	2
9	Interests in real estate	2
10	Real estate transactions	2
11	Real estate valuation concepts	2
12	Real estate valuation methods	2
13	Effective real estate management	2
14	Contemporary issues in real estate	2
15	Research presentation	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research, Eval. of Presentation, Assignments & Tasks)	1 to 15	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Wilcox, J., and Forsyth, J. (2022). Real Estate: The Basics. Routledge
	0
Supportive References	The first Built Environment Development Symposium: Real Estate and Sustainable Housing. (2012). University of Damma
	Brueggeman, W. and Fisher, J. (2021). Real Estate Finance and Investments. McGraw-Hill
	Gaddy, Jr. and Hart, R. (2019). Real estate fundamentals. DF Institute.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Internet connection
	Powerful computer/ laptop
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Mohanad A. Saddiq Alfelali	**Adnan Yehya Alshahrani**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Multicriteria Assessment of Urban Development Projects**
Course Code:	**ARC 4644**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Design)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UD34-e ** Elective Course 3: Urban Design Courses Group: Urban Des.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required		Elective	●						

3. Year/ level at which this course is offered: Year 5 Level 10

4. Course general description:

This course introduces students to the principles and processes of multicriteria impact assessment, focusing on evaluating short and long-term environmental consequences of proposed urban projects. Students will learn how to assess impacts on natural resources, biodiversity, air and water quality, and human health. The course covers methods for mitigating negative impacts and enhancing positive outcomes.

5. Pre-requirements for this course (if any):

ARC 4613 Cooperative Training Year: 5 Level: 9

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to equip students with essential knowledge in multicriteria assessment for urban development projects. Students will learn to independently seek and apply relevant information, engage in effective communication, and collaborate with diverse teams to lead and complete tasks responsibly and constructively within the context of urban development.

2. Teaching mode

(Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of a wide range of advanced knowledge related to the built environment. (K1-k)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
	Skills			
2.1	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning	Eval. of Research
2.2	Effectively engage in communication with others. (S5-a)	**S5**	Collaborative L. (Teamwork Research)	Eval. of Presentation
	()			
	Values, autonomy, and responsibility			
3.1	Collaborate effectively and lead diverse teams to complete tasks responsibly and constructively. (V2-c)	**V2**	Collaborative L. (Teamwork Research)	Eval. of Research
3.2	Mange and complete tasks efficiently under pressure and within deadlines. (V3-a)	**V3**	Self–Learning	Assignments & Tasks

C. Course Content

No	List of Topics	Contact
1	Introduction	2
2	Role of multicriteria impact assessment in planning project	2
3	Multicriteria impact assessment process	2
4	Environmental impact assessment considerations - Part 1	2
5	Environmental impact assessment considerations - Part 2	2
6	Environmental impact assessment considerations - Part 3	2
7	Social impact assessment considerations	2
8	Introduction to fiscal impact assessment considerations	2
9	Data collection and analysis for impact assessment	2
10	Methodologies in multicriteria impact assessment	2
11	Tools and technologies in multicriteria impact assessment	2
12	Case study analysis - Part 1	2
13	Case study analysis - Part 2	2
14	Research refining	2
15	Research presentation	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research, Eval. of Presentation, Assignments & Tasks)	1 to 15	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Nijkamp, P. et al. (2013). Multicriteria evaluation in physical planning. North-Holland.
	Alexander, E., & Haughton, P. (2016). Evaluation in Planning. Taylor and Francis.
Supportive References	
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Internet connection
	Powerful computer/ laptop
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Mohanad A. Saddiq Alfelali	**Adnan Yehya Alshahrani**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Urban Project Management**
Course Code:	**ARC 4642**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Design)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UD32-e ** Elective Course 3: Urban Design Courses Group: Urban Des.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required		Elective	●						

3. Year/ level at which this course is offered: Year 5 Level 10

4. Course general description:

This course provides students with vital skills for effective urban design project management and encourages strategic thinking. It covers two key areas: the project life cycle phases, including initiation, planning, execution, monitoring and controlling, and completion; and the essential knowledge areas of project management such as scope, time, cost, risk, and quality management.

5. Pre-requirements for this course (if any):

ARC 4613 Cooperative Training Year: 5 Level: 9

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to provide students with essential knowledge in urban project management, focusing on the complexities of the built environment. Students will develop the ability to independently seek and apply relevant knowledge, engage effectively in communication with others, and collaborate with diverse teams to lead and complete tasks responsibly and constructively.

2. Teaching mode

(Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of a wide range of advanced knowledge related to the built environment. (K1-k)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
	Skills			
2.1	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning	Eval. of Research
2.2	Effectively engage in communication with others. (S5-a)	**S5**	Collaborative L. (Teamwork Research)	Eval. of Presentation
	()			
	Values, autonomy, and responsibility			
3.1	Collaborate effectively and lead diverse teams to complete tasks responsibly and constructively. (V2-c)	**V2**	Collaborative L. (Teamwork Research)	Eval. of Research
3.2	Mange and complete tasks efficiently under pressure and within deadlines. (V3-a)	**V3**	Self–Learning	Assignments & Tasks

C. Course Content

No	List of Topics	Contact
1	Introduction to project management body of knowledge (PMBOK)	2
2	Initiating process: Define a project and obtain authorization	2
3	Planning process: Establish the project scope and objectives	2
4	Executing: Complete the work defined to satisfy project specifications	2
5	Monitoring and controlling processes	2
6	Closing process	2
7	knowledge area: Integration management	2
8	knowledge area: Scope management	2
9	knowledge area: Schedule management	2
10	knowledge area: Cost management	2
11	knowledge area: Quality management	2
12	knowledge area: Communications management	2
13	knowledge area: Resource and risk management	2
14	knowledge area: Procurement and Stakeholder management	2
15	Research presentation	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research, Eval. of Presentation, Assignments & Tasks)	1 to 15	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Kloppenborg, T. (2023). Contemporary Project Management. South-Western.
	0
Supportive References	PMI. (2021). Guide to the Project Management Body of Knowledge. 7th ed. Project Management Institute
	Clark, T. (2018). Project Management for Planners. Planners press book.
	Kerzner, H. (2017). Project Management Workbook to Accompany Project Management. John Wiley & Sons.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Internet connection
	Powerful computer/ laptop
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Mohanad A. Saddiq Alfelali	**Adnan Yehya Alshahrani**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

3.4 Urban Planning

Track

Level [7]

Course Specification
(Bachelor)

Course Title:	**New City Urban Planning Studio**
Course Code:	**ARC 4701**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Planning)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UP1

Courses Group: Urban Plan.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	5 Cr. Hrs.	**Contact hours:**	10 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 4 Level 7

4. Course general description:

This studio focuses on the planning of a new town. Students will carry out comprehensive demographic, economic, and environmental studies within the broader context. They will perform a detailed analysis of the given site, examining key factors that influence town planning. Based on their findings and exploration of planning alternatives, students will develop a strategic plan that includes land use, service distribution, and road network design, creating a sustainable and functional urban layout.

5. Pre-requirements for this course (if any):

ARC 3005	Long-Span Buildings Design Studio	Year: 3	Level: 6
ARC 3406	Introduction to Urban Planning Studio	Year: 3	Level: 6

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

The course aims to teach students how to design new urban areas by understanding functional requirements, infrastructure systems, and environmental impacts. Students will create innovative, sustainable design concepts and use digital tools in the design process. The course emphasizes self-learning and professional development.

2. Teaching mode

(Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	10	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	0
2	Practical	0
3	Studio	150
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**150**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Define functional requirements and relationships for different sectors of the built environment. (K1-b)	**K1**	Self–Learning (Research work)	Eval. of Research
1.2	Demonstrate an understanding of various types of infrastructure systems. (K2-b)	**K2**	Interactive L. (Dialogue & discussion)	Eval. of Project(s)
	Skills			
2.1	Make design decisions considering user requirements and various environmental impacts. (S1-a)	**S1**	Indirect L. (Problems solving)	Eval. of Project(s)
2.2	Create innovative concepts and forms for the built environment. (S1-c)	**S1**	Self–Learning	Eval. of Project(s)
2.3	Utilize diverse means to achieve a sustainable built environment. (S1-j)	**S1**	Self–Learning	Eval. of Project(s)
2.4	Analyze factors shaping and influencing the built environment. (S1-l)	**S1**	Self–Learning (Research work)	Eval. of Research
2.5	Effectively use digital skills throughout the design process of the built environment. (S6-a)	**S6**	Self–Learning	Eval. of Project(s)
	Values, autonomy, and responsibility			
3.1	Demonstrate responsibility for self-learning and ongoing development. (V2-b)	**V2**	Self–Learning (Research work)	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	Introduction to the project	10
2	Regional, environmental and socio-economic studies	10
3	Housing, services and urban structure studies	10
4	Integrative structure of specialty studies	10
5	Generating alternatives -Part 1	10
6	Generating alternatives -Part 2	10
7	Generating alternatives -Part 3	10
8	Evaluating the alternatives	10
9	Project development - Part 1	10
10	Project Development - Part 2	10
11	Project development - Part 3	10
12	Project development - Part 4	10
13	Project development - Part 5	10
14	Project development - Part 6	10
15	Project development - Part 7	10
	Total	150

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	Cont. Assess. (Eval. of Research, Eval. of Project(s))	1 to 15	70
2	Mid-Term Exam (Eval. of One of the Project Stages)	7	10
3	Final Submission (Final Project Oral Exam)	16	20

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Butler, K. (2012). Planning and Urban Design Standards. Wiley.
	EL Wakil, S. (2006). Urban Planning: Principles, Basics and Applications.
Supportive References	Levy, J. (2016). Contemporary urban planning. Routledge.
	Weber, R. & Randal, C. (2015). The oxford handbook of urban planning. 2015.
	وزارة الشئون البلدية والقروية. (2016). المعايير التخطيطية للخدمات العامة الإقليمية والمحلية ومستوياتها المختلفة.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Studio
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Mohamed Wahba Ibrahim Khalil	**Abdulrahman Abdulaziz Majrashi**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission

اعتماد
NCAAA

2024
TP-153

Course Specification
(Bachelor)

Course Title:	**Housing Planning Studio 1**
Course Code:	**ARC 4702**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Planning)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UP2

Courses Group: Urban Plan.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

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3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	3 Cr. Hrs.	**Contact hours:**	6 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 4 Level 7

4. Course general description:

This studio introduces students to new neighborhood planning, focusing on neighborhood layout, and residential unit design. Students will analyze site conditions, including visual and environmental studies, densities, and real estate values. The project involves developing the planning concept, suggesting the neighborhood layout, and designing functional, flexible, and environmentally responsive residential units. The project includes 2-4 clusters with a population range of 3,000 to 6,000, emphasizing socio-economic and environmental aspects.

5. Pre-requirements for this course (if any):

ARC 3005 Long-Span Buildings Design Studio Year: 3 Level: 6

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to help students define functional requirements for housing in a new area, make design decisions considering user needs and environmental impacts, and create innovative concepts for the built environment. Students will analyze factors influencing housing, apply housing theories, , interpret data from multiple sources, and demonstrate responsibility for self-learning and continuous development.

2. Teaching mode

(Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	6	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	0
2	Practical	0
3	Studio	90
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**90**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Define functional requirements and relationships for different sectors of the built environment. (K1-b)	**K1**	Self–Learning (Research work)	Eval. of Research
	Skills			
2.1	Make design decisions considering user requirements and various environmental impacts. (S1-a)	**S1**	Self–Learning	Eval. of Project(s)
2.2	Create innovative concepts and forms for the built environment. (S1-c)	**S1**	Self–Learning	Eval. of Research
2.3	Apply the theories and methods of designing the built environment. (S1-d)	**S1**	Self–Learning	Eval. of Research
2.4	Analyze factors shaping and influencing the built environment. (S1-l)	**S1**	Self–Learning (Research work)	Eval. of Research
2.5	Analyze data from multiple sources. (S3-b)	**S3**	Self–Learning (Research work)	Eval. of Research
	Values, autonomy, and responsibility			
3.1	Demonstrate responsibility for self-learning and ongoing development. (V2-b)	**V2**	Self–Learning (Research work)	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	Introduction to the project and a general review about neighborhood	6
2	Data collection to understand problems	6
3	Analyzing the collected data to reach the main objectives	6
4	Developing alternatives - Part 1	6
5	Developing alternatives - Part 2	6
6	Evaluating the alternatives based on assessment criteria	6
7	Development of various aspects of the selected alternative - Part 1	6
8	Development of various aspects of the selected alternative - Part 2	6
9	Development of various aspects of the selected alternative - Part 3	6
10	Detailed urban design of the neighboring center	6
11	Project development - Part 1	6
12	Project development - Part 2	6
13	Project development - Part 3	6
14	Project development - Part 4	6
15	Project development - Part 5	6
	Total	90

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	Cont. Assess. (Eval. of Research, Eval. of Project(s))	1 to 15	70
2	Mid-Term Exam (Eval. of One of the Project Stages)	7	10
3	Final Submission (Final Project Oral Exam)	16	20

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Watson, D. (2011). Time-Saver Standards for Urban Design. McGraw-Hill.
	Carmona, M. (2021). Public places urban spaces: The dimensions of urban design. Routledge.
Supportive References	Krier, R. (1993). Urban Space. Rizzoli.
	Butler, K. (2012). Planning and Urban Design Standards. Wiley.
	وزارة الشئون البلدية والقروية. (2016). المعايير التخطيطية للخدمات العامة الإقليمية والمحلية ومستوياتها المختلفة.
	Towers, G. (2015). An introduction to urban housing design. Routledge.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Studio
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Mohamed Wahba Ibrahim Khalil	**Abdulrahman Abdulaziz Majrashi**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
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5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Urban Planning Information Systems**
Course Code:	**ARC 4703**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Planning)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UP3

Courses Group: C. Rep. & Vis.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	4 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 4 Level 7

4. Course general description:

This course introduces the fundamental principles of Geographic Information Systems (GIS), emphasizing its application in urban planning. Students will gain an understanding of GIS technology and its practical uses, including data entry, editing, and simple analysis. The course also covers data visualization techniques and map layout preparation, providing both theoretical knowledge and hands-on experience to support planning tasks in the profession.

5. Pre-requirements for this course (if any):

ARC 3005	Long-Span Buildings Design Studio	Year: 3	Level: 6

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to equip students with a strong understanding of how to represent and analyze the built environment using Geographic Information Systems (GIS). Students will develop the necessary skills to use GIS software effectively in urban planning. They will also learn to apply digital tools throughout the planning process to enhance communication and decision-making. The course encourages students to take responsibility for their ongoing learning and professional development in this field.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	4	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	15
2	Practical	45
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**60**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of various ways of representing the built environment. (K1-d)	**K1**	Direct Learning (Lecture)	Computer-based Assgs./ Exams
1.2	Demonstrate an understanding of the required knowledge to use software in designing the built environment. (K1-l)	**K1**	Direct Learning (Lecture)	Computer-based Assgs./ Exams
	Skills			
2.1	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning	Computer-based Assgs./ Exams
2.2	Effectively use digital skills throughout the design process of the built environment. (S6-a)	**S6**	Self–Learning	Computer-based Assgs./ Exams
	()			
	Values, autonomy, and responsibility			
3.1	Mange and complete tasks efficiently under pressure and within deadlines. (V3-a)	**V3**	Self–Learning	Computer-based Assgs./ Exams

C. Course Content

No	List of Topics	Contact
1	GIS software interface	4
2	Geospatial data, Georeferenced and Geo Databases	4
3	Data entry in GIS - Vector Data	4
4	Data entry in GIS - Raster Data	4
5	Editing with aerial photo	4
6	Editing geographic data - Part 1	4
7	Editing geographic data - Part 2	4
8	Editing geographic data - Part 3	4
9	Visualization data and Symbology - Part 1	4
10	Visualization data and Symbology - Part 2	4
11	Visualization data and Symbology - Part 3	4
12	Visualization data and Symbology - Part 3	4
13	Preparation of map layouts	4
14	Project development	4
15	Project development	4
	Total	60

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	Cont. Assess. (Computer-based Assgs./ Exams)	1 to 15	40
2	Mid-Term Exam (Computer-Based Exam)	7	20
3	Final Exam (Computer-Based Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Gorr, W. L., & Kurland, K. S. (2023). GIS Tutorial for ArcGIS Pro 3. 1. ESRI Press.
	ESRI. (2025). A to Z GIS: An Illustrated Dictionary of Geographic Information Systems. Esri Press.
Supportive References	Sutton, T. (2024). A Gentle Introduction to GIS. QGIS Project.
	McHaffie, P., Hwang, S., & Follett, C. (2023). GIS: An Introduction to Mapping Technologies. CRC Press.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Computer Lab.
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
	Applications software
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Mohamed Wahba Ibrahim Khalil	**Wajdy Sadagh A. Qattan**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission

اعتماد
NCAAA

2024
TP-153

Course Specification
(Bachelor)

Course Title:	**Urban Planning Theories**
Course Code:	**ARC 4704**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Planning)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UP4

Courses Group: Urban Plan.

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A. General Information about the course 3

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B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 4 Level 7

4. Course general description:

This course explores the major urban planning theories that emerged in the twentieth century and continues to influence contemporary planning practices. Students will engage with key theories such as Modernism, Garden City, Rational Planning, Advocacy Planning, and New Urbanism. The course also examines postmodern critiques and the impact of global trends on urban development. Through these frameworks, students will develop a deeper understanding of the evolution and future direction of urban planning.

5. Pre-requirements for this course (if any):

ARC 3005	Long-Span Buildings Design Studio	Year: 3	Level: 6

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to help students demonstrate an understanding of theories related tourbanplanning, explain the impact of various aspects on it, and analyze the factors shaping and influencing cities. Students will independently seek knowledge and apply it appropriately, while also taking responsibility for their self-learning and continuous development.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of theories of the built environment. (K1-f)	**K1**	Direct Learning (Lecture)	Written Exam
1.2	Explain the impact of different aspects on the built environment. (K1-h)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
	Skills			
2.1	Analyze factors shaping and influencing the built environment. (S1-l)	**S1**	Interactive L. (Dialogue & discussion)	Written Exam
2.2	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning (Research work)	Eval. of Research
	()			
	Values, autonomy, and responsibility			
3.1	Demonstrate responsibility for self-learning and ongoing development. (V2-b)	**V2**	Self–Learning (Research work)	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	Movements of urban planning: City Beautiful, Practical, Social movements	2
2	Garden city movement	2
3	The Linear City	2
4	The Social Movement in Urban Planning	2
5	The City of Tomorrow	2
6	Regional Planning Theory	2
7	Broadacre City	2
8	The Inflation of large Cities and Metropolis of Tomorrow	2
9	Neighborhood Planning Theory	2
10	Urban Renewal Theory	2
11	The Metabolism Movement	2
12	New Urbanism	2
13	Smart Growth and Sustainable Urbanism	2
14	Smart Cities	2
15	Resilient Cities and Climate Urbanism	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research)	14	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	عارف، ح. (1991). تخطيط وتنظيم المدن بين النظرية والتطبيق. جامعة الإسكندرية.
	Hall, P. (2014). Cities of Tomorrow: An Intellectual History of Urban Planning and Design since 1880. Chichester Wiley Bl
Supportive References	عفيفي، أ. (2000). نظريات في تخطيط المدن. هجر للطباعة والنشر.
	Taylor, N. (1998). Urban Planning Theory since 1945. Calif. Sage.
	Barlow, M. and Levy-Bencheton, C. (2018). Smart Cities, Smart Future: Showcasing Tomorrow. Hoboken.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Mohamed Wahba Ibrahim Khalil	**Abdulrahman Abdulaziz Majrashi**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Principles of Statistics for Architects**
Course Code:	**MTH1681**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Architecture)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

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1. Course Identification 3

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C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track		Supporting	●
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 4 Level 7

4. Course general description:

This course introduces architects to fundamental concepts and techniques in statistics, providing essential tools for data analysis and interpretation in architectural and urban practice. Focusing on descriptive statistics and basic probability theory, the course equips students with the skills to analyze data, identify trends, and make informed, evidence-based decisions.

5. Pre-requirements for this course (if any):

None

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to help students understand mathematical concepts and statistical methods relevant to the built environment. Students will learn to apply quantitative techniques to analyze and process data effectively. The course also emphasizes persistence and a commitment to achieving excellence in mastering statistical tools for architectural analysis and decision-making.

2. Teaching mode

(Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of mathematical concepts relevant to the built environment. (K4-a)	**K4**	Direct Learning (Lecture)	Written Assgs./ Exams
	Skills			
2.1	Use mathematical operations and quantitative methods to process data and information. (S7-a)	**S7**	Indirect L. (Problems solving)	Written Exam
	()			
	Values, autonomy, and responsibility			
3.1	Demonstrate persistence on achievement and distinction. (V2-d)	**V2**	Self–Learning	Assignments & Tasks

C. Course Content

No	List of Topics	Contact
1	Definition and general view of statistics	2
2	Organization and presentation of statistical data	2
3	Measures of central tendency (Mean, Median, Mode) of the simple data and the frequency distributio	2
4	Measures of dispersion (The Range – The Variance and the standard deviation) of the simple data a	2
5	Measures of dispersion (Coefficient of variation) of the simple data and the frequency distribution	2
6	Moments and Measure of Skewness and Kurtosis	2
7	Correlation measures	2
8	Simple Linear regression 1	2
9	Simple Linear regression 2	2
10	Sample space and Events	2
11	Counting Techniques (Fundamental basics, Addition Rule)	2
12	Counting Techniques (Multiplication Rule- Permutation and Combinations)	2
13	Definition of the probability and its applications	2
14	Conditional probability - Independence of events and Bayes theorem and its applications 1	2
15	Conditional probability - Independence of events and Bayes theorem and its applications 2	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Written Assgs./ Exams, Assignments & Tasks)	1 to 15	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Bluman, A. G. (2010). Elementary Statistics. A Brief Version : [a Step by Step Approach]. Boston, Ma, Mcgraw-Hill.
	0
Supportive References	
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Abdullah Saeed Karban		**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Urban Planning Track

Electives

Course Specification
(Bachelor)

Course Title:	**Cities and Climate Change**
Course Code:	**ARC 4721**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Planning)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UP23-e ** Elective Course 1: Urban Planning Courses Group: Urban Plan.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required		Elective	●						

3. Year/ level at which this course is offered: Year 4 Level 7

4. Course general description:

This course explores the impacts of climate change on cities, examining a range of scenarios from moderate to extreme. Students will study the consequences of these impacts on urban environments and the challenges they present. The course emphasizes urban planning policy options to mitigate and adapt to climate change, with a focus on transforming urban form to enhance resilience, reduce emissions, and improve the sustainability of city structures.

5. Pre-requirements for this course (if any):

ARC 3005 Long-Span Buildings Design Studio Year: 3 Level: 6

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to equip students with advanced knowledge of the built environment, focusing on the relationship between cities and climate change. Students will analyze the various factors that shape and influence the built environment. They will also develop the ability to independently seek and apply relevant knowledge, engage effectively in communication, and actively contribute to addressing the challenges posed by climate change in urban settings.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of a wide range of advanced knowledge related to the built environment. (K1-k)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
	Skills			
2.1	Analyze factors shaping and influencing the built environment. (S1-l)	**S1**	Interactive L. (Dialogue & discussion)	Written Exam
2.2	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning (Research work)	Eval. of Research
2.3	Effectively engage in communication with others. (S5-a)	**S5**	Self–Learning (Research work)	Eval. of Research
	()			
	Values, autonomy, and responsibility			
3.1	Contribute actively to addressing challenges related to the built environment. (V2-a)	**V2**	Self–Learning	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	Introduction to Cities and Climate Change	2
2	Climate change impacts on cities - Part 1	2
3	Climate change impacts on cities - Part 2	2
4	Urban planning strategies for climate change: Mitigation and Adaptation	2
5	Mitigation: Energy efficiency	2
6	Mitigation: Waste management	2
7	Mitigation: Water resource management	2
8	Mitigation: Green infrastructure	2
9	Mitigation: Transportation	2
10	Adaptation: Land use and housing	2
11	Adaptation: Energy resilient strategies	2
12	Adaptation: Flood risk management in cities	2
13	Adaptation: Infrastructure resilience	2
14	Disaster risk reduction	2
15	Research development	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research)	14	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Dodman, D. (2012). Adapting Cities to Climate Change. Routledge.
	Allam, Z., Jones, D., & Thondoo, M. (2020). Cities and climate change. Palgrave MacMillan.
Supportive References	Allaoua, Z. (2011). Guide to Climate Change Adaptation in Cities. The World Bank.
	Sethi, M. (2017). Climate change and urban settlements. Routledge.
	Hamin, E. (2019). Planning for climate change. Taylor and Francs.
	Calthorpe, P. (2010). Urbanism in the Age of Climate Change. Island Press.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Internet connection
	Powerful computer/ laptop
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Fares Saad M Al-Saygh	**Abdulrahman Abdulaziz Majrashi**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Sustainable Urban Tourism**
Course Code:	**ARC 4724**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Planning)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UP26-e ** Elective Course 1: Urban Planning Courses Group: Urban Plan.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required		Elective	●						

3. Year/ level at which this course is offered: Year 4 Level 7

4. Course general description:

This course explores the principles and practices of sustainable tourism in urban settings. It delves into the challenges and opportunities of balancing economic growth, social equity, and environmental protection in cities. Students will learn about sustainable tourism planning, marketing, and management. They will also gain insights into the role of technology, innovation, and community engagement in creating sustainable urban tourism destinations

5. Pre-requirements for this course (if any):

ARC 3005	Long-Span Buildings Design Studio	Year: 3	Level: 6

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to equip students with advanced knowledge of sustainable urban tourism and its relationship with the built environment. Students will analyze the factors that shape and influence urban tourism, develop the ability to independently seek and apply relevant knowledge, and enhance their communication skills. Additionally, they will actively contribute to addressing challenges related to sustainable urban tourism, focusing on balancing tourism development with environmental, social, and cultural sustainability.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of a wide range of advanced knowledge related to the built environment. (K1-k)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
	Skills			
2.1	Analyze factors shaping and influencing the built environment. (S1-l)	**S1**	Interactive L. (Dialogue & discussion)	Written Exam
2.2	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning (Research work)	Eval. of Research
2.3	Effectively engage in communication with others. (S5-a)	**S5**	Self–Learning (Research work)	Eval. of Research
	()			
	Values, autonomy, and responsibility			
3.1	Contribute actively to addressing challenges related to the built environment. (V2-a)	**V2**	Self–Learning	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	What is a urban tourism?	2
2	Benefits of urban tourism	2
3	Challenges of urban tourism	2
4	Globalization, urban competition, and tourism	2
5	Tourism policies and urban growth	2
6	The infrastructure and finance of urban tourism	2
7	Urban tourism, amenities, and human capital	2
8	Urban tourism and the revival of neighborhoods and city centers	2
9	Shaping sustainable tourism	2
10	Instruments for more sustainable tourism	2
11	Tourism and sustainability	2
12	Policy implications of a sustainable tourism agenda	2
13	Structures and strategies of sustainable urban tourism	2
14	Case Studies - Part 2	2
15	Case Studies - Part 2	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research)	14	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Costas S. (2011). Urban Tourism and Urban Change : Cities in a Global Economy. London, Routledge.
	UN, and WTO. (2005). Making Tourism More Sustainable : A Guide for Policy Makers. UNEP.
Supportive References	Filipa, et al. Handbook of Research on the Role of Tourism in Achieving the Sustainable Develop. Goals. Business Scienc
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Internet connection
	Powerful computer/ laptop
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Fares Saad M Al-Saygh	**Abdulrahman Abdulaziz Majrashi**	**Oumr Adnan Osra**
Head of PPC	Head of C&SPC	Head of D&QC
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Urban Conservation and Renewal**
Course Code:	**ARC 4722**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Planning)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UP24-e ** Elective Course 1: Urban Planning Courses Group: Urban Plan.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required		Elective	●						

3. Year/ level at which this course is offered: Year 4 Level 7

4. Course general description:

This course provides a comprehensive exploration of urban conservation processes and their role in contemporary urban regeneration. Students will study the integration of conservation with modern renewal practices, focusing on social and economic aspects. Key topics include conservation techniques, policies, and the importance of community participation in urban renewal projects. Students will gain insights into balancing preservation with urban development in the 21st century.

5. Pre-requirements for this course (if any):

ARC 3005	Long-Span Buildings Design Studio	Year: 3	Level: 6

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to provide students with advanced knowledge of urban conservation and renewal. Students will analyze the factors that shape and influence urban spaces, focusing on preservation and revitalization efforts. They will also develop the ability to independently seek and apply relevant knowledge, engage in effective communication, and contribute actively to addressing the challenges associated with urban conservation and renewal.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of a wide range of advanced knowledge related to the built environment. (K1-k)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
	Skills			
2.1	Analyze factors shaping and influencing the built environment. (S1-l)	**S1**	Interactive L. (Dialogue & discussion)	Written Exam
2.2	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning (Research work)	Eval. of Research
2.3	Effectively engage in communication with others. (S5-a)	**S5**	Self–Learning (Research work)	Eval. of Research
	()			
	Values, autonomy, and responsibility			
3.1	Contribute actively to addressing challenges related to the built environment. (V2-a)	**V2**	Self–Learning	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	Defining Urban Conservation: Concepts and Approaches	2
2	Historical Context of Urban Conservation Movements	2
3	Urban Design Principles for Conservation	2
4	Conservation Techniques for Buildings and Sites 1	2
5	Conservation Techniques for Buildings and Sites 2	2
6	Sustainable Urbanism and Conservation Practices	2
7	Community Engagement Strategies in Urban Renewal	2
8	Social Equity and Urban Regeneration	2
9	Financing and Economic Impacts of Urban Conservation Projects	2
10	Case Studies of Conservation Projects 1	2
11	Case Studies of Conservation Projects 2	2
12	Case Studies of Conservation Projects 3	2
13	Case Studies of Conservation Projects 4	2
14	Legal Frameworks for Conservation and Preservation	2
15	The Future of Urban Conservation and Renewal	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research)	14	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Kalman, H., & Letourneau, M. (2014). Heritage Planning: Principles and Process. Routledge.
	Ministry of Municipalities and Village. (1426 H). Guide for the Conservation of Urban Heritage.
Supportive References	Bagader, M. (2019). The Evolution of Built Heritage Conservation Policies in KSA. LAP LAMBERT.
	Pickard, R. (2012). Policy and Law in Heritage Conservation. Taylor & Francis.
	Rodwell, D. (2009). Conservation and Sustainability in Historic Cities. Wiley.
	Germanà M. , et al. (2023). Conservation of Architectural Heritage (CAH). Springer.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Internet connection
	Powerful computer/ laptop
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Fares Saad M Al-Saygh	**Abdulrahman Abdulaziz Majrashi**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Urban Development in Saudi Arabia**
Course Code:	**ARC 4723**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Planning)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UP25-e ** Elective Course 1: Urban Planning Courses Group: Urban Plan.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required		Elective	●						

3. Year/ level at which this course is offered: Year 4 Level 7

4. Course general description:

This course examines the historical evolution of urban development in Saudi Arabia, highlighting the government's role in fostering urbanization and establishing a robust physical infrastructure. Students will explore the transformative vision under Saudi Vision 2030, focusing on how cities are becoming hubs for innovative interventions and experimentation. The course provides a comprehensive understanding of both past urban growth and contemporary strategies shaping the future of Saudi cities.

5. Pre-requirements for this course (if any):

ARC 3005	Long-Span Buildings Design Studio	Year: 3	Level: 6

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to provide students with advanced knowledge of urban development in Saudi Arabia, focusing on the unique aspects of its built environment. Students will analyze the factors shaping and influencing urban development in the region, gain the ability to independently seek and apply relevant knowledge, and engage in effective communication. Additionally, they will contribute actively to addressing the challenges related to urban development in Saudi Arabia, emphasizing sustainable and context-specific solutions.

2. Teaching mode

(Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of a wide range of advanced knowledge related to the built environment. (K1-k)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
	Skills			
2.1	Analyze factors shaping and influencing the built environment. (S1-l)	**S1**	Interactive L. (Dialogue & discussion)	Written Exam
2.2	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning (Research work)	Eval. of Research
2.3	Effectively engage in communication with others. (S5-a)	**S5**	Self–Learning (Research work)	Eval. of Research
	()			
	Values, autonomy, and responsibility			
3.1	Contribute actively to addressing challenges related to the built environment. (V2-a)	**V2**	Self–Learning	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	Introduction	2
2	Urbanization in KSA	2
3	History of short and medium-term country-wide plans - Part 1	2
4	History of short and medium-term country-wide plans - Part 2	2
5	Housing in KSA	2
6	Future Saudi cities program - Part 1	2
7	Future Saudi cities program - Part 2	2
8	Introduction to Saudi vision 2030	2
9	Vision 2030: Quality of life in cities program	2
10	Vision 2030: Doyof Al Rahman program	2
11	Vision 2030: Housing program	2
12	Case study analysis - Part 1	2
13	Case study analysis - Part 2	2
14	Case study analysis - Part 3	2
15	Research development	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research)	14	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Dept. of Housing and Urban Development. (1977). Housing and urban development in KSA.
	الهذلول، ص. (1999). التنمية العمرانية في السعودية: الفرص والتحديات. دار السهن.
Supportive References	Saudi Vision 2030. https://www.vision2030.gov.sa/en
	Al-Ankary, K., & Bushra, e. (1989). Urban and rural profiles in Saudi Arabia. G. Borntraeger.
	Al-Sedairy, S. (1985). Urban design and community development in Saudi Arabia. Tihama.
	SALIBA, R. (2021). Urban design in the Arab world. Routledge.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Internet connection
	Powerful computer/ laptop
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Fares Saad M Al-Saygh	**Abdulrahman Abdulaziz Majrashi**	**Oumr Adnan Osra**
Head of PPC	Head of C&SPC	Head of D&QC
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Level [8]

Course Specification
(Bachelor)

Course Title:	**Existing City Development Studio**
Course Code:	**ARC 4707**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Planning)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UP8

Courses Group: Urban Plan.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	5 Cr. Hrs.	**Contact hours:**	10 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 4 Level 8

4. Course general description:

This studio focuses on revitalizing and redeveloping small towns, particularly within Makkah province. Students will conduct in-depth demographic, economic, and environmental studies to understand the town's current status. Through SWOT analysis, students will establish a vision and objectives for the town's future. Based on these findings, they will develop a strategic plan addressing suggested land use, services, and road networks to promote sustainable revitalization.

5. Pre-requirements for this course (if any):

ARC 4701	New City Urban Planning Studio	Year: 4	Level: 7

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to help students define functional requirements for various sectors of the built environment, understand different infrastructure systems, and solve complex problems related to urban planning. It focuses on applying planning theories, analyzing factors that shape cities, utilizing digital skills throughout the planning process, and fostering collaboration to address challenges and complete tasks efficiently.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	10	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	0
2	Practical	0
3	Studio	150
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**150**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Define functional requirements and relationships for different sectors of the built environment. (K1-b)	**K1**	Collaborative L. (Teamwork Research)	Eval. of Research
1.2	Demonstrate an understanding of various types of infrastructure systems. (K2-b)	**K2**	Collaborative L. (Teamwork Research)	Eval. of Research
	Skills			
2.1	Solve complicated problems associated with the built environment. (S1-b)	**S1**	Indirect L. (Problems solving)	Eval. of Project(s)
2.2	Apply the theories and methods of designing the built environment. (S1-d)	**S1**	Self–Learning	Eval. of Project(s)
2.3	Analyze factors shaping and influencing the built environment. (S1-l)	**S1**	Self–Learning	Eval. of Project(s)
2.4	Effectively use digital skills throughout the design process of the built environment. (S6-a)	**S6**	Self–Learning	Eval. of Project(s)
	()			
	Values, autonomy, and responsibility			
3.1	Contribute actively to addressing challenges related to the built environment. (V2-a)	**V2**	Self–Learning	Eval. of Project(s)
3.2	Collaborate effectively and lead diverse teams to complete tasks responsibly and constructively. (V2-c)	**V2**	Collaborative L. (Teamwork Research)	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	Introduction to the project	10
2	Data collection and analyzing	10
3	Developing alternatives - Part 1	10
4	Developing alternatives - Part 2	10
5	Developing alternatives - Part 3	10
6	Evaluating the alternatives based on assessment criteria	10
7	Development of various aspects of the selected alternative - Part 1	10
8	Development of various aspects of the selected alternative - Part 2	10
9	Development of various aspects of the selected alternative - Part 3	10
10	Development of various aspects of the selected alternative - Part 4	10
11	Project development - Part 1	10
12	Project development - Part 2	10
13	Project development - Part 3	10
14	Project development - Part 4	10
15	Project development - Part 5	10
	Total	150

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	Cont. Assess. (Eval. of Research, Eval. of Project(s))	1 to 15	70
2	Mid-Term Exam (Eval. of One of the Project Stages)	7	10
3	Final Submission (Final Project Oral Exam)	16	20

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Butler, K. (2012). Planning and Urban Design Standards. Wiley.
	ELWakil, S. (2006). Urban Planning: Principles, Basics & Applications.
Supportive References	Levy, J. (2016). Contemporary urban planning. Routledge.
	وزارة الشئون البلدية والقروية. (2016). المعايير التخطيطية للخدمات العامة الإقليمية والمحلية ومستوياتها المختلفة
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Studio
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Mohamed Wahba Ibrahim Khalil	**Abdulrahman Abdulaziz Majrashi**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission

اعتماد
NCAAA

2024
TP-153

Course Specification
(Bachelor)

Course Title:	**Housing Planning Studio 2**
Course Code:	**ARC 4708**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Planning)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UP9

Courses Group: Urban Plan.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

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3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	3 Cr. Hrs.	**Contact hours:**	6 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 4 Level 8

4. Course general description:

This studio fosters both team and individual work while focusing on the development of housing within an existing urban context. The project begins with a comprehensive study of the current status, covering urban studies, economic activities, and demographic characteristics. The second phase involves a detailed site analysis, including environmental, visual studies and densities . In the third phase, students develop layout based on planning decisions and alternatives. In addition, they design residential units emphasizing functionality, flexibility, economic, and environmental aspects.

5. Pre-requirements for this course (if any):

ARC 4702	Housing Planning Studio 1	Year: 4	Level: 7

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to help students demonstrate an understanding of various infrastructure systems, solve complex problems related to housing within existing urban contexts, and create innovative concepts and designs. Students will apply housing theories and methods, effectively utilize digital skills throughout the planning process, and actively contribute to addressing built environment challenges. Additionally, the course emphasizes the ability to manage and complete tasks efficiently under pressure and within deadlines.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	6	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	0
2	Practical	0
3	Studio	90
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**90**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Define functional requirements and relationships for different sectors of the built environment. (K1-b)	**K1**	Collaborative L. (Teamwork Research)	Eval. of Research
	Skills			
2.1	Solve complicated problems associated with the built environment. (S1-b)	**S1**	Indirect L. (Problems solving)	Eval. of Project(s)
2.2	Apply the theories and methods of designing the built environment. (S1-d)	**S1**	Self–Learning	Eval. of Project(s)
2.3	Analyze factors shaping and influencing the built environment. (S1-l)	**S1**	Collaborative L. (Teamwork Research)	Eval. of Research
2.4	Effectively use digital skills throughout the design process of the built environment. (S6-a)	**S6**	Self–Learning	Eval. of Project(s)
	()			
	Values, autonomy, and responsibility			
3.1	Collaborate effectively and lead diverse teams to complete tasks responsibly and constructively. (V2-c)	**V2**	Collaborative L. (Teamwork Research)	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	Introduction to the project	6
2	Data collection and analyzing	6
3	Developing alternatives - Part 1	6
4	Developing alternatives - Part 2	6
5	Developing alternatives - Part 3	6
6	Evaluating the alternatives based on assessment criteria	6
7	Development of various aspects of the selected alternative - Part 1	6
8	Development of various aspects of the selected alternative - Part 2	6
9	Development of various aspects of the selected alternative - Part 3	6
10	Development of various aspects of the selected alternative - Part 4	6
11	Project development - Part 1	6
12	Project development - Part 2	6
13	Project development - Part 3	6
14	Project development - Part 4	6
15	Project development - Part 5	6
	Total	90

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	Cont. Assess. (Eval. of Research, Eval. of Project(s))	1 to 15	70
2	Mid-Term Exam (Eval. of One of the Project Stages)	7	10
3	Final Submission (Final Project Oral Exam)	16	20

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Watson, D. (2011). Time-Saver Standards for Urban Design. McGraw-Hill.
	Carmona, M. (2021). Public places urban spaces: The dimensions of urban design. Routledge.
Supportive References	Krier, R. (1993). Urban Space. Rizzoli.
	Butler, K. (2012). Planning and Urban Design Standards. Wiley.
	وزارة الشئون البلدية والقروية. (2016). المعايير التخطيطية للخدمات العامة الإقليمية والمحلية ومستوياتها المختلفة
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Studio
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Mohamed Wahba Ibrahim Khalil	**Abdulrahman Abdulaziz Majrashi**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Integrated Urban Planning Studio 1**
Course Code:	**ARC 4709**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Planning)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UP10

Courses Group: Urban Plan.

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A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	4 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 4 Level 8

4. Course general description:

This course introduces students to the process of selecting and developing their graduation project in urban planning. Students will choose a project title aligned with their approach. They will compare potential locations, select the most suitable site, and analyze it. The course emphasizes the study and analysis of past experiences and case studies to extract valuable lessons. Students will also gather the necessary data for their project and submit a comprehensive report on the analyzed studies.

5. Pre-requirements for this course (if any):

ARC 4701	New City Urban Planning Studio	Year: 4	Level: 7

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

The course aims to equip students with the skills to define functional requirements and relationships in sustainable urban planning, understand various urban systems, and make design decisions based on user needs and environmental impacts. Students will apply planning theories, analyze factors shaping the built environment, interpret data from multiple sources, and formulate experimental results. Additionally, they will actively address challenges related to the built environment.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	4	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	0
2	Practical	0
3	Studio	60
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**60**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Define functional requirements and relationships for different sectors of the built environment. (K1-b)	**K1**	Interactive L. (Dialogue & discussion)	Eval. of Report
1.2	Demonstrate an understanding of various types of infrastructure systems. (K2-b)	**K2**	Interactive L. (Dialogue & discussion)	Eval. of Report
	Skills			
2.1	Make design decisions considering user requirements and various environmental impacts. (S1-a)	**S1**	Self–Learning	Eval. of Project(s)
2.2	Apply the theories and methods of designing the built environment. (S1-d)	**S1**	Self–Learning	Eval. of Project(s)
2.3	Analyze factors shaping and influencing the built environment. (S1-l)	**S1**	Self–Learning	Eval. of Report
2.4	Analyze data from multiple sources. (S3-b)	**S3**	Self–Learning	Eval. of Report
2.5	Formulate results of different experiments. (S3-c)	**S3**	Self–Learning	Eval. of Report
	Values, autonomy, and responsibility			
3.1	Contribute actively to addressing challenges related to the built environment. (V2-a)	**V2**	Self–Learning	Eval. of Report

C. Course Content

No	List of Topics	Contact
1	Selecting the graduation project	4
2	Analyses of previous similar projects - Part 1	4
3	Analyses of previous similar projects - Part 2	4
4	Analyses of previous similar projects - Part 3	4
5	Specifying and selecting the appropriate site	4
6	Defining required statistics, laws, rules and legislations	4
7	Define feasible urban planning problems	4
8	Collect information to understand the selected problems - Part 1	4
9	Collect information to understand the selected problems - Part 2	4
10	Analyzing the collected data to reach the main objectives - Part 1	4
11	Analyzing the collected data to reach the main objectives - Part 2	4
12	Developing three scenarios or concepts - Part 1	4
13	Developing three scenarios or concepts - Part 2	4
14	Developing three scenarios or concepts - Part 3	4
15	Evaluating the concepts based on assessment criteria	4
	Total	60

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	Cont. Assess. (Eval. of Report , Eval. of Project(s))	1 to 15	70
2	Mid-Term Exam (Eval. of Report)	7	10
3	Final Submission of the Project and Report	16	20

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Butler, K. (2012). Planning and Urban Design Standards. Wiley.
	وزارة الشئون البلدية والقروية. (2016). المعايير التخطيطية للخدمات العامة الإقليمية والمحلية ومستوياتها المختلفة.
Supportive References	Levy, J. (2016). Contemporary urban planning. Routledge.
	Weber, R. & Randal, C. (2015). The oxford handbook of urban planning. 2015.
	EL Wakil, S. (2006). Urban Planning: Principles, Basics & Applications.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Studio
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Mohamed Wahba Ibrahim Khalil	**Abdulrahman Abdulaziz Majrashi**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Advanced Urban Information Systems**
Course Code:	**ARC 4710**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Planning)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UP11

Courses Group: C. Rep. & Vis.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

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B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	4 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 4 Level 8

4. Course general description:

This course builds on the foundational GIS knowledge acquired in previous courses, enhancing students' ability to apply GIS in urban and regional planning. It introduces Global Positioning Systems (GPS), advanced spatial analysis tools, and techniques for solving spatial problems and modeling urban phenomena. Students will explore network analysis, interpolation methods for estimating spatial data, and the basics of 3D GIS, focusing on their application in planning contexts.

5. Pre-requirements for this course (if any):

ARC 4703	Urban Planning Information Systems	Year: 4	Level: 7

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

The course aims to enhance student's ability to apply advanced GIS applications to complex urban and regional planning challenges and develop spatial data analysis skills for urban planning. It also teaches advanced data collection techniques, emphasizes the effective use of digital skills in the design process, and fosters responsibility for self-learning and ongoing development.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	4	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	15
2	Practical	45
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**60**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of various ways of representing the built environment. (K1-d)	**K1**	Direct Learning (Lecture)	Computer-based Assgs./ Exams
1.2	Demonstrate an understanding of a wide range of advanced knowledge related to the built environment. (K1-k)	**K1**	Direct Learning (Lecture)	Computer-based Assgs./ Exams
1.3	Demonstrate an understanding of the required knowledge to use software in designing the built environment. (K1-l)	**K1**	Direct Learning (Lecture)	Computer-based Assgs./ Exams
	Skills			
2.1	Effectively use digital skills throughout the design process of the built environment. (S6-a)	**S6**	Self–Learning	Computer-based Assgs./ Exams
	()			
	Values, autonomy, and responsibility			
3.1	Demonstrate responsibility for self-learning and ongoing development. (V2-b)	**V2**	Self–Learning	Computer-based Assgs./ Exams

C. Course Content

No	List of Topics	Contact
1	Global Positioning System	4
2	Spatial analysis tools - Part 1	4
3	Spatial analysis tools - Part 2	4
4	Spatial analysis tools - Part 3	4
5	Spatial analysis tools - Part 4	4
6	Network analysis - Part 1	4
7	Network analysis - Part 2	4
8	Network analysis - Part 3	4
9	Network analysis - Part 4	4
10	An overview of the Interpolation toolset	4
11	3D GIS - Part 1	4
12	3D GIS - Part 2	4
13	3D GIS - Part 3	4
14	Project development - Part 1	4
15	Project development - Part 2	4
	Total	60

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	Cont. Assess. (Computer-based Assgs./ Exams)	1 to 15	40
2	Mid-Term Exam (Computer-Based Exam)	7	20
3	Final Exam (Computer-Based Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Gorr, W. L., & Kurland, K. S. (2023). GIS Tutorial for ArcGIS Pro 3. 1. ESRI Press.
	ESRI. (2025). A to Z GIS: An Illustrated Dictionary of Geographic Information Systems. Esri Press.
Supportive References	Kalantari, M., Clemen, C., & Mojgan Jadidi. (2024). BIM and 3D GIS Integration for Digital Twins. CRC Press.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Computer Lab.
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
	Applications software
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Mohamed Wahba Ibrahim Khalil	**Wajdy Sadagh A. Qattan**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission

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2024
TP-153

Course Specification
(Bachelor)

Course Title:	**Sustainable Cities**
Course Code:	**ARC 4711**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Planning)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UP13

Courses Group: Urban Plan.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 4 Level 8

4. Course general description:

This course explores the principles and strategies for designing and developing sustainable cities. Students will examine urban systems that promote environmental resilience, social equity, and economic viability. Key topics include green infrastructure, renewable energy, sustainable transportation, water and waste management, and urban biodiversity. Through case studies, students will learn how to create urban environments that balance ecological health with the needs of growing populations.

5. Pre-requirements for this course (if any):

ARC 4701	New City Urban Planning Studio	Year: 4	Level: 7

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

The main objective of this course is to provide students with a comprehensive understanding of sustainability principles and their practical application in urban planning. The course aims to equip students with strategies for reducing environmental impacts, promoting social equity and inclusivity, and ensuring economic viability.

2. Teaching mode

(Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of theories of the built environment. (K1-f)	**K1**	Direct Learning (Lecture)	Written Exam
1.2	Explain the impact of different aspects on the built environment. (K1-h)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
1.3	Demonstrate an understanding of the mutual integration between human and the environment. (K1-i)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
1.4	Demonstrate a clear understanding of how to achieve a sustainable built environment. (K1-j)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
	Skills			
2.1	Utilize diverse means to achieve a sustainable built environment. (S1-j)	**S1**	Self–Learning (Research work)	Eval. of Research
2.2	Analyze factors shaping and influencing the built environment. (S1-l)	**S1**	Interactive L. (Dialogue & discussion)	Written Exam
	()			
	Values, autonomy, and responsibility			
3.1	Contribute actively to addressing challenges related to the built environment. (V2-a)	**V2**	Self–Learning (Research work)	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	Introduction to climate change	2
2	Quality of life	2
3	Sustainable city: Green buildings	2
4	Natural systems and ecology	2
5	Transportation and land use	2
6	Urban water efficiency	2
7	Energy and greenhouse gas emissions	2
8	Materials and resources	2
9	Biodiversity preservation and green areas	2
10	Social sustainability	2
11	Economic sustainability	2
12	Case study analysis - Part 1	2
13	Case study analysis - Part 2	2
14	Case study analysis - Part 3	2
15	Case study analysis - Part 4	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research)	14	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Cohen, S., & Dong, G. (2021). The sustainable city. Columbia University Press.
	Clark, W. (2017). Sustainable cities and communities design handbook. Butterworth-Heinemann.
Supportive References	Alvarez-Risco, A. (2021). Building Sustainable Cities. SPRINGER.
	Johnston, S., Nicholas, S., & Parzen, J. (2014). The guide to greening cities. Island Press.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Mohamed Wahba Ibrahim Khalil	**Abdulrahman Abdulaziz Majrashi**	**Oumr Adnan Osra**
Head of PPC	Head of C&SPC	Head of D&QC
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Urban Planning Track

Electives

Course Specification
(Bachelor)

Course Title:	**Future Urbanism**
Course Code:	**ARC 4733**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Planning)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UP29-e ** Elective Course 2: Urban Planning Courses Group: Urban Plan.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required		Elective	●						

3. Year/ level at which this course is offered: Year 4 Level 8

4. Course general description:

This course explores the evolving concepts of future cities in response to the growing threats facing metropolitan life. Students will investigate imagined cityscapes—submerged, floating, flying, vertical, underground, and salvaged—through the lenses of architecture, fiction, film, and visual art. The course encourages students to use imagination as a tool to bridge the gap between speculative urban visions and real-world solutions, envisioning sustainable and resilient futures for humanity in urban environments.

5. Pre-requirements for this course (if any):

ARC 4701	New City Urban Planning Studio	Year: 4	Level: 7

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to provide students with advanced knowledge on the evolving trends and future directions of urbanism. Students will analyze the factors shaping and influencing the built environment. In addition, they will develop the ability to independently seek and apply knowledge, engage in effective communication, and actively contribute to addressing the challenges and opportunities in the future of urban development.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of a wide range of advanced knowledge related to the built environment. (K1-k)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
	Skills			
2.1	Analyze factors shaping and influencing the built environment. (S1-l)	**S1**	Interactive L. (Dialogue & discussion)	Written Exam
2.2	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning (Research work)	Eval. of Research
2.3	Effectively engage in communication with others. (S5-a)	**S5**	Self–Learning (Research work)	Eval. of Research
	()			
	Values, autonomy, and responsibility			
3.1	Contribute actively to addressing challenges related to the built environment. (V2-a)	**V2**	Self–Learning	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	Introduction: Real and imagined future cities	2
2	Visual history of future cities - Part 1	2
3	Visual history of future cities - Part 2	2
4	Visual history of future cities - Part 3	2
5	Visual history of future cities - Part 4	2
6	Visual history of future cities - Part 5	2
7	Drowned city	2
8	Floating city	2
9	Airborne city	2
10	Vertical city	2
11	Underground city	2
12	Future disasters	2
13	Ruined city: Sprawl, Disaster, Entropy	2
14	Salvage and waste cities	2
15	Research development	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research)	14	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Dunn, N., & Pollastri, S. (2014). A visual history of the future. Foresight.
	Dobraszczyk, P. (2019). Future Cities: Architecture and the imagination. Reaktion Books.
Supportive References	Banham, R., & Gannon, T. (2020). Megastructure: Urban Futures of the Recent Past. The Monacelli.
	Kumar, A. & Meshram, D. (2022). Future of Cities. Routledge.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Internet connection
	Powerful computer/ laptop
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Fares Saad M Al-Saygh	**Abdulrahman Abdulaziz Majrashi**	**Oumr Adnan Osra**
Head of PPC	Head of C&SPC	Head of D&QC
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

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Education & Training Evaluation Commission
اعتماد
NCAAA
2024
TP-153

Course Specification
(Bachelor)

Course Title:	**Selected Topics in Urban and Regional Planning**
Course Code:	**ARC 4734**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Planning)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UP30-e ** Elective Course 2: Urban Planning Courses Group: Urban Plan.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required		Elective	●						

3. Year/ level at which this course is offered: Year 4 Level 8

4. Course general description:

This course offers a seminar-style learning environment focused on specialized topics in urban planning, tailored to senior students. The syllabus evolves yearly, reflecting contemporary issues and advancements in the field. Students will engage in in-depth discussions and research on advanced urban planning topics, complementing their prior coursework. The course encourages critical thinking, problem-solving, and the application of urban planning concepts to real-world challenges.

5. Pre-requirements for this course (if any):

ARC 4701	New City Urban Planning Studio	Year: 4	Level: 7

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to provide students with advanced knowledge in urban and regional planning, focusing on analyzing factors that shape and influence the built environment. Students will enhance their ability to independently research, communicate effectively in collaborative environments, and actively address challenges in urban and regional planning.

2. Teaching mode

(Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of a wide range of advanced knowledge related to the built environment. (K1-k)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
	Skills			
2.1	Analyze factors shaping and influencing the built environment. (S1-l)	**S1**	Interactive L. (Dialogue & discussion)	Written Exam
2.2	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning (Research work)	Eval. of Research
2.3	Effectively engage in communication with others. (S5-a)	**S5**	Self–Learning (Research work)	Eval. of Research
	()			
	Values, autonomy, and responsibility			
3.1	Contribute actively to addressing challenges related to the built environment. (V2-a)	**V2**	Self–Learning	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	Introduction to the course	2
2	Research title selection	2
3	Analyze relevant research papers - Part 1	2
4	Analyze relevant research papers - Part 2	2
5	Problem statement and methodology	2
6	Literature review - Part 1	2
7	Literature review - Part 2	2
8	Literature review - Part 3	2
9	Applying the methodology - part 1	2
10	Applying the methodology - part 2	2
11	Applying the methodology - part 3	2
12	The conclusion and recommendations	2
13	Research refining - Part 1	2
14	Research refining - Part 2	2
15	Research refining - Part 3	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research)	14	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	References vary on yearly basis
	0
Supportive References	Coaffee J., and Peter L. (2017). Urban Resilience. Bloomsbury Publishing
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Internet connection
	Powerful computer/ laptop
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Fares Saad M Al-Saygh	**Abdulrahman Abdulaziz Majrashi**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Smart Cities**
Course Code:	**ARC 4731**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Planning)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UP27-e ** Elective Course 2: Urban Planning Courses Group: Urban Plan.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required		Elective	●						

3. Year/ level at which this course is offered: Year 4 Level 8

4. Course general description:

This course explores the fundamentals of smart cities, focusing on how technological advancements are transforming urban life. It covers key aspects such as smart infrastructure, mobility, and buildings. Students will study current smart city projects and innovations, gaining insights into the strategies that can be used to transition existing cities into smart cities.

5. Pre-requirements for this course (if any):

ARC 4701 New City Urban Planning Studio Year: 4 Level: 7

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to provide students with advanced knowledge of smart cities. Students will analyze the factors influencing the development of smart cities. In addition, they will learn to independently seek and apply relevant knowledge, effectively communicate with others, and actively contribute to addressing the challenges of creating and maintaining smart cities, with a focus on improving urban living through innovative solutions and technologies.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of a wide range of advanced knowledge related to the built environment. (K1-k)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
	Skills			
2.1	Analyze factors shaping and influencing the built environment. (S1-l)	**S1**	Interactive L. (Dialogue & discussion)	Written Exam
2.2	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning (Research work)	Eval. of Research
2.3	Effectively engage in communication with others. (S5-a)	**S5**	Self–Learning (Research work)	Eval. of Research
	()			
	Values, autonomy, and responsibility			
3.1	Contribute actively to addressing challenges related to the built environment. (V2-a)	**V2**	Self–Learning	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	What is a smart city?	2
2	Smart city: Advantages and benefits	2
3	Smart city: Challenges and risks	2
4	Smart cities characteristics and design principles	2
5	Components: Smart buildings	2
6	Components: Smart transportation systems	2
7	Components: Smart infrastructure	2
8	Smart city and the Internet of Things	2
9	Smart cities and sustainable development - Part 1	2
10	Smart cities and sustainable development - Part 2	2
11	Case study analysis -Part1	2
12	Case study analysis -Part2	2
13	Case study analysis -Part3	2
14	Case study analysis -Part4	2
15	Research development	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research)	14	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Komninos, N. (2018). The Age of Intelligent Cities. Routledge.
	Song, H., et al. (2017). Smart Cities: Foundations, Principles, and Applications. John Wiley & Sons, Incorporated.
Supportive References	Gassmann, O., Bo?hm, J., & Palmie?, M. (2019). Smart cities. Emerald Publishing Limited.
	Tomar, P., & Kaur, G. (2019). Green and smart technologies for smart cities. CRC Press.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Internet connection
	Powerful computer/ laptop
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Fares Saad M Al-Saygh	**Abdulrahman Abdulaziz Majrashi**	**Oumr Adnan Osra**
Head of PPC	Head of C&SPC	Head of D&QC
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Technology and Urban Change**
Course Code:	**ARC 4732**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Planning)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UP28-e ** Elective Course 2: Urban Planning Courses Group: Urban Plan.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required		Elective	●						

3. Year/ level at which this course is offered: Year 4 Level 8

4. Course general description:

This course examines the impact of technological advancements during the three Industrial Revolutions on urban development. It explores technological achievements, their social and economic effects, their influence on urban planning and systems, and industrial-age cities' challenges. Students will learn how technology reshaped cities and its relevance to modern urban development

5. Pre-requirements for this course (if any):

ARC 4701	New City Urban Planning Studio	Year: 4	Level: 7

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to equip students with advanced knowledge of how technology drives urban change and its impact on the built environment. Students will analyze the factors influencing urban transformation. In addition, they will develop the ability to independently seek and apply relevant knowledge, engage effectively in communication, and actively contribute to addressing challenges related to technological advancements in urban planning.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of a wide range of advanced knowledge related to the built environment. (K1-k)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
	Skills			
2.1	Analyze factors shaping and influencing the built environment. (S1-l)	**S1**	Interactive L. (Dialogue & discussion)	Written Exam
2.2	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning (Research work)	Eval. of Research
2.3	Effectively engage in communication with others. (S5-a)	**S5**	Self–Learning (Research work)	Eval. of Research
	()			
	Values, autonomy, and responsibility			
3.1	Contribute actively to addressing challenges related to the built environment. (V2-a)	**V2**	Self–Learning	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	Introduction to the Course	2
2	Tech. Achievements of the Industrial Revolution: Transportation	2
3	Tech. Achievements of the Industrial Revolution: Communications and Telecom.	2
4	Tech. Achievements of the Industrial Revolution: Infrastructure, Public Health and Safety	2
5	Social and Economic Effects of the Technological Achievements of the Industrial Revolution	2
6	Impact of Technology on Urban Planning	2
7	Impact of Technology on the Urban System	2
8	Impact of Technology on the Formation of the Industrial Age City	2
9	Technology and Problems of the Industrial Age City	2
10	Applications of Artificial Intelligence (AI)	2
11	Virtual and Augmented Reality (VR/AR)	2
12	Drones and Remote Sensing, Satellite Imagery, and Digital Mapping	2
13	Advanced Applications of Geographic Information System (GIS)	2
14	Statistical Software for Data Analysis and Future Projections	2
15	Technology and Future Patterns of Urban Growth	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research)	14	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	أبو قرين، ع. (2020). المدخل إلى التخطيط الحضري. موسوعة التخطيط. مكتبة الملك فهد الوطنية.
	0
Supportive References	
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Internet connection
	Powerful computer/ laptop
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Fares Saad M Al-Saygh	**Abdulrahman Abdulaziz Majrashi**	**Oumr Adnan Osra**
Head of PPC	Head of C&SPC	Head of D&QC
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Level [9]

Field Experience Specification
(Bachelor)

Course Title:	**Cooperative Training**
Course Code:	**ARC 4713**
Program:	**Architecture and Planning**
Department:	**Architecture**
College:	**College of Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Field Experience Version Number:	**1**
Last Revision Date:	**16 Dec. 2024**

Table of Contents

A. General information about the course: 3

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 3

C. Field Experience Administration 5

D. Training Quality Evaluation 7

E. Specification Approval Data 7

A. Field Experience Details:

1. Credit hours:		
6 Cr.		
2. Level/year at which Field Experience is offered:		
Summer of the fourth year and level 9 of the fifth year		
3. Time allocated for Field Experience activities		
(20) Weeks	(100) Days	(800) Hours
4. Corequisite (or prerequisites if any) to join Field Experience		
ARC 4707 Existing City Development Studio		
5. Mode of delivery		
☒ In-person/onsite	☐hybrid (onsite/online)	☐Online

B. Field Experience Course Learning Outcomes (CLOs), Training Activities and Assessment Methods

Code	Learning Outcomes	Aligned PLO Code	Training Activities	Assessment Methods	Assessment Responsibility
1.0	**Knowledge and understanding**				
1.1	Demonstrate an understanding of wide range of advanced knowledge related to the built environment. (K1-k)	K1	Experiential L. (Practical training)	Eval. of Report	Supervisor
1.2	Demonstrate an understanding of professional ethics and responsibilities. (K3-a)	K3	Experiential L. (Practical training)	Eval. of Report	Supervisor
2.0	**Skills**				
2.1	Apply professional and regulatory standards. (S1-g)	S1	Experiential L. (Practical training)	Eval. of Report	Supervisor
2.2	Carry out complex practical tasks and procedures related to	S8	Experiential L. (Practical training)	Any evidence that demonstrate	Supervisor

Code	Learning Outcomes	Aligned PLO Code	Training Activities	Assessment Methods	Assessment Responsibility
	professional practice. (S8-a)			s progress in this objective.	
3.0	**Values, autonomy, and responsibility**				
3.1	Demonstrate self-discipline and punctuality. (V1-a)	V1	Experiential L. (Practical training)	Evaluation of Attendance Reports	Supervisor
3.2	Demonstrate responsibility for self-learning and ongoing development. (V2-b)	V2	Experiential L. (Practical training)	Eval. of Report	Supervisor
3.3	Collaborate effectively and lead diverse teams to complete tasks responsibly and constructively. (V2-c)	V2	Experiential L. (Practical training)	Eval. of Report	Supervisor
3.4	Mange and complete tasks efficiently under pressure and within deadlines. (V3-a)	V3	Experiential L. (Practical training)	Eval. of Report	Supervisor

*Assessment methods (i.e., practical test, field report, oral test, presentation, group project, essay, etc.).

C. Field Experience Administration

1. Field Experience Flowchart for Responsibility

Including units, departments, and committees responsible for field experience identifying by the interrelations.

Step 1: Evidence: Documentation of experience by the trainee.

Step 2: Reflection: commentary of the trainee on experiences and learning that has resulted and how the objectives were fulfilled.

Step 3: Evaluation: studying the evidence by the examiners.

Step 4: Defending the evidence: a dialog between the trainee and the examiners.

Step 5: Decision.

2. Distribution of Responsibilities for Field Experience Activities

Activity	Department or College	Teaching Staff	Student	Training Organization	Field Supervisor
Selection of a field experience site	●	●	●		
Selection of supervisory staff				●	●
Provision of the required equipment				●	
Provision of learning resources				●	
Ensuring the safety of the site	●	●	●	●	●
Commuting to and from the field experience site			●		
Provision of support and guidance	●	●			●
Implementation of training activities (duties, reports, projects, ...)	●	●			
Follow up on student training activities	●	●			●

Activity	Department or College	Teaching Staff	Student	Training Organization	Field Supervisor
Adjusting attendance and leave					●
Assessment of learning outcomes	●	●		●	●
Evaluating the quality of field experience	●		●		●
Others (specify)	None	None	None	None	None

3. Field Experience Location Requirements

Suggested Field Experience Locations	General Requirements*	Special Requirements**
Urban Planning Consultant Firms	• Should pass the prerequisite courses. • Should be pre-approved by the coordinator	• Reputable firms • Following safety standards
Municipals and Local Government		
Real Estate Development Companies		

*E.g. provides information technology, equipment, laboratories, halls, housing, learning sources, clinics … etc.
** E.g. Criteria of the institution offering the training or those related to the specialization, such as safety standards, dealing with patients in medical specialties … etc.

4. Decision-Making Procedures for Identifying Appropriate Locations for Field Experience

This training provides students with an opportunity to enrich their experience by linking academic studies to actual practical situations. Students will also have the opportunity to assess their professional interests in their respective fields. The trainee student is subject to all the organizational rules and vacations system in the firm in which he trains. Training opportunities with urban planning firms are selected by the department; however, students can select an opportunity to train after department approval.

Criteria to evaluate potential firms:

- Relevance: The firm must align with urban planning topics.
- Accessibility: Ensure the location is physically accessible for students.
- Educational Value: The firm should offer real-world examples of urban issues, innovations, or strategies.
- Safety: Prioritize sites (if applicable) that meet safety standards for student trainees.
- Collaboration Potential: Prefer locations where partnerships with firms, municipalities, or developers are possible.

5. Safety and Risk Management

Potential Risks	Safety Actions	Risk Management Procedures
Exposure to hazards on construction sites (e.g., falling objects, unstable surfaces)	Provide Personal Protective Equipment (PPE): helmets, vests, boots, gloves, and safety goggles.	Conduct a site safety briefing before visits and ensure constant supervision.
Slips, trips, and falls during site visits (if applicable) or outdoor work	Identify and mark uneven or hazardous areas. Train students to navigate safely.	Perform a site risk assessment and implement hazard warnings/signage.
Heat stress or dehydration in outdoor projects (if applicable)	Ensure availability of water resources and schedule work during cooler hours.	Develop a heat management plan and monitor symptoms of heat stress.

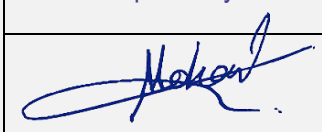
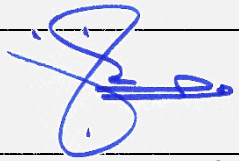
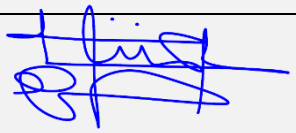
D. Training Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Teaching staff, workload, training program effectiveness and appropriateness, and quality of learning resources employed.	Students	Indirect evaluation (Course Evaluation Survey)
Direct observation of	Field Supervisor	Direct evaluation (Attendance forms and final Report)
Student skills	Peer Reviewer	Direct evaluation (Final Report of the student)

Evaluation areas (e.g., Effectiveness of Training and assessment, Extent of achievement of course learning outcomes, Quality of learning resources, etc.)
Evaluators (Students, Supervisory Staff, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

E. Specification Approval Data

Council /Committee	
Reference No.	
Date	

Prepared by	Initial Review by	Course Coordinator	Head of Department
			
Mohamed Atef kamel	Mohamed Aljefri	Mohamed A. Almahdi	Oumr Adnan Osra

Level [10]

Course Specification
(Bachelor)

Course Title:	**Integrated Urban Planning Studio 2**
Course Code:	**ARC 4714**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Planning)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UP16

Courses Group: Urban Plan.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	5 Cr. Hrs.	**Contact hours:**	10 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 5 Level 10

4. Course general description:

This studio is considered a graduation project. Students will continue what was achieved in the "Graduation Project Research" course. In this phase and through SWOT analysis, students will establish a vision and objectives. Based on previous findings and planning alternatives, they will develop a strategic plan addressing suggested land use, services, and road networks to promote sustainable development.

5. Pre-requirements for this course (if any):

ARC 4500	Cooperative Training	Year: 5	Level: 9
ARC 4709	Integrated Urban Planning Studio 1	Year: 4	Level: 8

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to help students demonstrate an understanding of various aspects that influence planning, solve complex problems associated with it, and create innovative concepts. Students will apply urban planning theories and methods to their projects, effectively use digital skills throughout the design process, and contribute actively to addressing urban challenges. The course also emphasizes time management, requiring students to manage and complete tasks efficiently under pressure and within deadlines.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	10	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	0
2	Practical	0
3	Studio	150
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**150**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of various types of infrastructure systems. (K2-b)	**K2**	Interactive L. (Dialogue & discussion)	Eval. of Project(s)
	Skills			
2.1	Solve complicated problems associated with the built environment. (S1-b)	**S1**	Indirect L. (Problems solving)	Eval. of Project(s)
2.2	Create innovative concepts and forms for the built environment. (S1-c)	**S1**	Self–Learning	Eval. of Project(s)
2.3	Apply the theories and methods of designing the built environment. (S1-d)	**S1**	Self–Learning	Eval. of Project(s)
2.4	Effectively use digital skills throughout the design process of the built environment. (S6-a)	**S6**	Self–Learning	Eval. of Project(s)
	()			
	Values, autonomy, and responsibility			
3.1	Contribute actively to addressing challenges related to the built environment. (V2-a)	**V2**	Self–Learning	Eval. of Project(s)
3.2	Mange and complete tasks efficiently under pressure and within deadlines. (V3-a)	**V3**	Self–Learning	Direct Observation

C. Course Content

No	List of Topics	Contact
1	Development of various aspects of the selected alternative - Part 1	10
2	Development of various aspects of the selected alternative - Part 2	10
3	Development of various aspects of the selected alternative - Part 3	10
4	Development of various aspects of the selected alternative - Part 4	10
5	Development of various aspects of the selected alternative - Part 5	10
6	Development of various aspects of the selected alternative - Part 6	10
7	Preparing an implementation framework- Part 1	10
8	Preparing an implementation framework- Part 2	10
9	Defining appropriate policies, actions and legal instruments- Part 1	10
10	Defining appropriate policies, actions and legal instruments- Part 2	10
11	Project Development - Part 1	10
12	Project Development - Part 2	10
13	Project Development - Part 3	10
14	Project Development - Part 4	10
15	Project Development - Part 5	10
	Total	150

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	Cont. Assess. (Eval. of Project(s))	1 to 15	70
2	Mid-Term Exam (Eval. of One of the Project Stages)	7	10
3	Final Submission (Final Project Oral Exam)	16	20

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Butler, K. (2012). Planning and Urban Design Standards. Wiley.
	ELWakil, S. (2006). Urban Planning: Principles, Basics & Applications.
Supportive References	Levy, J. (2016). Contemporary urban planning. Routledge.
	Weber, R. & Randal, C. (2015). The oxford handbook of urban planning. 2015.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Studio
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Mohamed Wahba Ibrahim Khalil	**Abdulrahman Abdulaziz Majrashi**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Urban Sociology and Population**
Course Code:	**ARC 4715**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Planning)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UP17

Courses Group: Urban Plan.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 5 Level 10

4. Course general description:

This course introduces urban sociology and population studies through the sociospatial perspective, examining how social factors like gender, lifestyle, economics, and culture influence metropolitan development. It offers a concise history of urban life and an overview of urban social theory, highlighting the impact of culture on urban growth. The course also covers population dynamics, including fertility, family structures, health, aging, and mortality, providing a comprehensive framework for understanding urban environments.

5. Pre-requirements for this course (if any):

ARC 4707	Existing City Development Studio	Year: 4	Level: 8

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to help students explain the impact of urban sociology and population on the built environment. Students will also develop skills in collaborating effectively and leading diverse teams to complete tasks responsibly and constructively.

2. Teaching mode

(Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Explain the impact of different aspects on the built environment. (K1-h)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
	Skills			
2.1	Analyze factors shaping and influencing the built environment. (S1-l)	**S1**	Interactive L. (Dialogue & discussion)	Written Exam
2.2	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Collaborative L. (Teamwork Research)	Eval. of Research
	()			
	Values, autonomy, and responsibility			
3.1	Collaborate effectively and lead diverse teams to complete tasks responsibly and constructively. (V2-c)	**V2**	Collaborative L. (Teamwork Research)	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	Introduction	2
2	Urban sociology: Origins and development factors	2
3	Classical theoretical and methodological trends in urban sociology	2
4	Contemporary theoretical trends in the study of urbanization	2
5	Urbanization in developing countries: A structural-historical analysis	2
6	Urban growth in Arab societies: Factors and indicators	2
7	Contemporary urban problems: Models and interpretations	2
8	The city in developing countries: A future vision	2
9	Sources of population study: Census, sample survey, vital statistics, immigration records	2
10	Natural population growth: Births, fertility and deaths rates	2
11	Migration	2
12	Population distribution and densities	2
13	Population structure: Gender, age, population pyramids, marital and educational status	2
14	Labor force and the economic activities of the population	2
15	Population Policies	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research)	14	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Gottdiener, M., Hutchison, R., & Ryan, M. (2019). The new urban sociology. Westview Press.
	حمد، ص. (2008). جغرافيه السكان: اسس وتطبيقات. الدار العالمية للنشر.
Supportive References	ناصف، س. (2014). علم الاجتماع الحضري: المفاهيم والقضايا والمشكلات. الآفاق.
	Clarke, J. (2013). Population Geography. Elsevier.
	Newbold, K.. (2021). Population Geography : Tools and Issues. Lanham, Maryland, Rowman & Littlefield.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Mohamed Wahba Ibrahim Khalil	**Abdulrahman Abdulaziz Majrashi**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Professional Practice of Urban Planning**
Course Code:	**ARC 4716**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Planning)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UP18

Courses Group: Prof. Pract. & Train.

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A. General Information about the course 3

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2. Teaching mode 3

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C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 5 Level 10

4. Course general description:

This course provides a comprehensive overview of the principles of professional urban practice in Saudi Arabia. It covers ethical standards, the Code of Conduct, and the legal frameworks governing the profession. Additionally, the course explores the planners' role and responsibilities, as well as essential professional skills such as resume preparation, portfolio development, interview techniques, and hiring processes. Students will be well-prepared for a responsible, competent, and effective career in urban planning.

5. Pre-requirements for this course (if any):

ARC 4500 Cooperative Training Year: 5 Level: 9

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

The main objective of this course is to help students develop an understanding of professional ethics, responsibilities, and the legal frameworks governing urban planning practices. It aims to equip students with project management skills for effectively managing urban planning projects and fostering strong communication skills. Additionally, the course emphasizes the importance of self-learning and continuous professional development.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of professional ethics and responsibilities. (K3-a)	**K3**	Interactive L. (Dialogue & discussion)	Written Exam
1.2	Identify the relevant laws, rules and legislations that regulate the built environment. (K3-b)	**K3**	Direct Learning (Lecture)	Written Exam
	Skills			
2.1	Effectively engage in communication with others. (S5-a)	**S5**	Self–Learning	Eval. of Presentation
2.2	Effectively apply digital skills to enhance communication. (S5-b)	**S5**	Self–Learning	Eval. of Portfolio
	()			
	Values, autonomy, and responsibility			
3.1	Demonstrate responsibility for self-learning and ongoing development. (V2-b)	**V2**	Self–Learning	Assignments & Tasks

C. Course Content

No	List of Topics	Contact
1	An introduction to urban planning profession	2
2	History of practicing urban planning globally and in the Kingdom	2
3	The professional role of the urban planner	2
4	Competencies of an urban planner	2
5	Ethics in urban planning profession	2
6	Regulations and rules that govern the professional practice	2
7	Practicing the urban planning profession in Saudi Arabia	2
8	Saudi council of engineers: Professional accreditation	2
9	how urban planning firms are formed and organized	2
10	Principles for administering an urban planning office	2
11	Planning documents preparation	2
12	Interviewing skills	2
13	Writing of curriculum vitae (CV)	2
14	Portfolio preparation techniques	2
15	Review of students' Curricula Vitae and Portfolios	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Presentation, Eval. of Portfolio, Assignments & Tasks)	1 to 15	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Saudi building code National committee (2018). The Saudi building code general 201.
	Unwin, R. (2020). Town planning in practice. [publisher not identified].
Supportive References	American Institute of Architects. (2017). The architecture student's handbook of prof. practice. Wiley.
	Piven, P. (2008). Architect's essentials of starting, assessing, and transitioning a design firm. Wiley.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Mohamed Wahba Ibrahim Khalil	**Mohammad Abdullah Almahdi**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Planning of Urban Mobility**
Course Code:	**ARC 4717**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Planning)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UP19

Courses Group: Urban Plan.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 5 Level 10

4. Course general description:

This course explores the complexities of urban mobility, focusing on key challenges and solutions for modern cities. Topics include the state of urban passenger transport, metro, light rail, and BRT systems, and the relationship between mobility and urban form. The course also examines equitable access, environmental impacts, and the economics and financing of urban mobility. Additionally, students will study the institutional and governance frameworks that shape urban transportation systems.

5. Pre-requirements for this course (if any):

ARC 4707	Existing City Development Studio	Year: 4	Level: 8

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

The objectives of this course are to equip students with the knowledge and skills to analyze and address urban mobility challenges, including passenger and goods transport systems, equitable access, environmental impacts, etc.

2. Teaching mode

(Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of theories of the built environment. (K1-f)	**K1**	Direct Learning (Lecture)	Written Exam
1.2	Demonstrate a clear understanding of how to achieve a sustainable built environment. (K1-j)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
1.3	Demonstrate an understanding of various types of infrastructure systems. (K2-b)	**K2**	Direct Learning (Lecture)	Written Exam
	Skills			
2.1	Analyze factors shaping and influencing the built environment. (S1-l)	**S1**	Interactive L. (Dialogue & discussion)	Written Exam
	()			
	Values, autonomy, and responsibility			
3.1	Demonstrate responsibility for self-learning and ongoing development. (V2-b)	**V2**	Self–Learning (Research work)	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	Introduction to urban mobility	2
2	Urban mobility challenges	2
3	The state of urban passenger transport	2
4	Metro, Light Rail and BRT	2
5	Urban goods transport	2
6	Mobility and urban form - Part 1	2
7	Mobility and urban form - Part 2	2
8	Equitable access to urban mobility	2
9	Urban mobility and the environment	2
10	Sustainable urban mobility - Part 1	2
11	Sustainable urban mobility - Part 2	2
12	Smart urban mobility innovations - Part 1	2
13	Smart urban mobility innovations - Part 2	2
14	Case study 1	2
15	Case study 2	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research)	14	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	UN-habitat. (2013). Planning and Design for Sustainable Urban Mobility. Routledge.
	0
Supportive References	Jensen, Ole B. (2022). Handbook of Urban Mobilities. Abingdon, Oxon ; New York, Ny, Routledge.
	Whitelegg, J. (2016). Mobility. Createspace independent Publishing platform.
	Coxon, S., Napper, R., & Richardson, M. (2018). Urban mobility design. Elsevier.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Mohamed Wahba Ibrahim Khalil	**Abdulrahman Abdulaziz Majrashi**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Regional Planning**
Course Code:	**ARC 4718**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Planning)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UP21

Courses Group: Urban Plan.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 5 Level 10

4. Course general description:

This course explores regional planning as a key spatial planning level in Saudi Arabia. It covers the historical evolution, definitions, and scope of regional planning, highlighting its role and contributions. Students will study methods and techniques of regional planning, including the process of regionalization, defining regions, and analyzing spatial structures. The course also compares regional planning practices with international perspectives, providing a comprehensive understanding of regional planning's role in Saudi Arabia.

5. Pre-requirements for this course (if any):

ARC 4707	Existing City Development Studio	Year: 4	Level: 8

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to provide students with an understanding of the processes, methods, and fundamentals involved in designing the built environment at a regional scale. Students will explore various theories related to regional planning and analyze the factors that shape and influence the development of regions. They will also enhance their ability to collaborate effectively, working with diverse teams to address complex challenges and complete tasks in a responsible and constructive manner.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Explain processes, methods and fundamentals of designing the built environment. (K1-a)	**K1**	Direct Learning (Lecture)	Written Exam
1.2	Demonstrate an understanding of theories of the built environment. (K1-f)	**K1**	Direct Learning (Lecture)	Written Exam
	Skills			
2.1	Analyze factors shaping and influencing the built environment. (S1-l)	**S1**	Interactive L. (Dialogue & discussion)	Written Exam
	()			
	Values, autonomy, and responsibility			
3.1	Collaborate effectively and lead diverse teams to complete tasks responsibly and constructively. (V2-c)	**V2**	Collaborative L. (Teamwork Research)	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	Definition and scope of regional planning	2
2	Historical evolution of regional planning	2
3	Alternative delimitations of regions	2
4	Frameworks of Regional Planning: Methodologies	2
5	Frameworks of Regional Planning: Practices	2
6	Foundations of Regional Planning: Core Concepts	2
7	Foundations of Regional Planning: Dynamics	2
8	Environmental Planning	2
9	Environmental Planning	2
10	Transportation Planning	2
11	Housing Planning and Policy	2
12	Economic Development and Revitalization Planning	2
13	Climate Change and Energy Planning	2
14	Regional planning in the international perspective	2
15	Regional planning in Saudi Arabia	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research)	14	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Glasson, J., and Marshall, T. (2007). Regional Planning. Routledge
	LeGates, R.T. (2023). City and Regional Planning. Taylor & Francis.
Supportive References	Calthorpe, P. & Fulton, W. (2001). The Regional City. Island Press.
	Hall, P. & Tewdwr, M. (2020). Urban and Regional Planning. Routledge.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Mohamed Wahba Ibrahim Khalil	**Abdulrahman Abdulaziz Majrashi**	**Oumr Adnan Osra**
Head of PPC	Head of C&SPC	Head of D&QC
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Graduation Project**
Course Code:	**ARC 4719**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Planning)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UP22

Courses Group: Urban Plan.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	3 Cr. Hrs.	**Contact hours:**	3 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required	●	Elective							

3. Year/ level at which this course is offered: Year 5 Level 10

4. Course general description:

This capstone course investigates urban planning challenges and solutions specific to Makkah, Madinah, and the holy sites, focusing on approaches within the integrated vision for Hajj, Umrah, and visit. Students will explore various planning strategies and alternatives, engaging in individual research on related topics.

5. Pre-requirements for this course (if any):

ARC 4500	Cooperative Training	Year: 5	Level: 9

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to enhance students' research skills by applying urban principles to real-world challenges related to sacred sites. Students will develop the ability to independently seek and analyze relevant data, using both qualitative and quantitative methods to address complex urban issues. The course emphasizes academic integrity and encourages active contributions to solving urban problems. It also fosters critical thinking and problem-solving, preparing students to make meaningful contributions to the built environment through their research.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	3	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	0
2	Practical	0
3	Studio	0
4	Graduation project	45
5	Training	0
6	Others (specify)	--
	Total	**45**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of research and inquiry methodologies. (K5-a)	**K5**	Self–Learning (Capstone project)	Eval. of Research
	Skills			
2.1	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning (Capstone project)	Eval. of Research
2.2	Analyze data from multiple sources. (S3-b)	**S3**	Self–Learning (Capstone project)	Eval. of Research
2.3	Formulate results of different experiments. (S3-c)	**S3**	Self–Learning (Capstone project)	Eval. of Research
2.4	Use mathematical operations and quantitative methods to process data and information. (S7-a)	**S7**	Self–Learning (Capstone project)	Eval. of Research
	()			
	Values, autonomy, and responsibility			
3.1	Demonstrate commitment to honesty and academic integrity. (V1-c)	**V1**	Self–Learning (Capstone project)	Eval. of Research
3.2	Contribute actively to addressing challenges related to the built environment. (V2-a)	**V2**	Self–Learning (Capstone project)	Eval. of Research

C. Course Content

No	List of Topics	Contact
1	Introduction to the course	3
2	Research title selection	3
3	Analyze relevant research papers - Part 1	3
4	Analyze relevant research papers - Part 2	3
5	Problem statement and methodology	3
6	Literature review - Part 1	3
7	Literature review - Part 2	3
8	Literature review - Part 3	3
9	Applying the methodology - part 1	3
10	Applying the methodology - part 2	3
11	Applying the methodology - part 3	3
12	The conclusion and recommendations	3
13	Research refining - Part 1	3
14	Research refining - Part 2	3
15	Research refining - Part 3	3
	Total	45

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	Cont. Assess. (Eval. of Research)	1 to 15	40
2	Mid-Term Exam (Eval. of Research)	7	20
3	Final Capstone Submission	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	معهد خادم الحرمين الشريفين لأبحاث الحج والعمرة. الملتقيات العلمية لأبحاث الحج والعمرة والزيارة.
	Uqu.edu.sa. (2022). from https://uqu.edu.sa/hajj/107535.
Supportive References	
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Data show projector
	Internet connection
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Mohamed Wahba Ibrahim Khalil	**Abdulrahman Abdulaziz Majrashi**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Urban Planning Track

Electives

Course Specification
(Bachelor)

Course Title:	**Urban Risk Management**
Course Code:	**ARC 4741**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Design)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UP31-e ** Elective Course 3: Urban Planning Courses Group: Urban Plan.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required		Elective	●						

3. Year/ level at which this course is offered: Year 5 Level 10

4. Course general description:

This course equips students with strategies and tools to identify, assess, and mitigate risks in urban settings, addressing challenges from natural disasters, technological failures, etc. It covers urban resilience, disaster risk reduction, climate adaptation, and emergency planning, with topics like hazard mapping, risk assessment, crisis communication, and governance. In addition, case studies highlight global best practices

5. Pre-requirements for this course (if any):

ARC 4500	Cooperative Training	Year: 5	Level: 9

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to equip students with advanced knowledge of urban risk management, focusing on the identification, assessment, and mitigation of risks within the built environment. Students will develop the skills to independently seek and apply relevant knowledge, engage in effective communication, and collaborate with diverse teams to address urban risks responsibly and constructively.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of a wide range of advanced knowledge related to the built environment. (K1-k)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
	Skills			
2.1	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning	Eval. of Research
2.2	Effectively engage in communication with others. (S5-a)	**S5**	Collaborative L. (Teamwork Research)	Eval. of Presentation
	()			
	Values, autonomy, and responsibility			
3.1	Collaborate effectively and lead diverse teams to complete tasks responsibly and constructively. (V2-c)	**V2**	Collaborative L. (Teamwork Research)	Eval. of Research
3.2	Mange and complete tasks efficiently under pressure and within deadlines. (V3-a)	**V3**	Self–Learning	Assignments & Tasks

C. Course Content

No	List of Topics	Contact
1	Introduction to urban risk reduction	2
2	Urban disaster risk: Analysis	2
3	Urban disaster risk: Action planning	2
4	Urban disaster risk analysis: Implementation management	2
5	Human-induced environmental risks	2
6	Urban flood risk management	2
7	Earthquake risk management	2
8	Reducing urban risk through community-based approaches	2
9	Post-disaster reconstruction	2
10	Case studies on environmental risk reduction – Part 1	2
11	Case studies on environmental risk reduction – Part 2	2
12	Case studies on environment-disaster linkages – Part 1	2
13	Case studies on environment-disaster linkages – Part 2	2
14	Future perspective of urban risk reduction	2
15	Research presentation	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research, Eval. of Presentation, Assignments & Tasks)	1 to 15	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Shaw, R., et al. (2012). Urban Risk Reduction : An Asian Perspective. Bingley, Uk, Emerald Group Publishing Limited
	0
Supportive References	
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Internet connection
	Powerful computer/ laptop
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Fares Saad M Al-Saygh	**Abdulrahman Abdulaziz Majrashi**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Urban Governance**
Course Code:	**ARC 4742**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Planning)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UP32-e ** Elective Course 3: Urban Planning Courses Group: Urban Plan.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required		Elective	●						

3. Year/ level at which this course is offered: Year 5 Level 10

4. Course general description:

This course explores the political, socio-economic, and administrative aspects of local government and city management. It introduces key management concepts, city government functions, and their interactions with higher levels of government. Emphasis is placed on aligning urban needs with residents' interests, addressing modern city management issues such as urban equality, public participation, socio-economic dynamics, and residents' sense of security. The course provides a comprehensive understanding of effective city management strategies.

5. Pre-requirements for this course (if any):

ARC 4500 Cooperative Training Year: 5 Level: 9

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to equip students with advanced knowledge of urban governance, focusing on the systems, structures, and processes that guide decision-making within the built environment. Students will develop the ability to independently seek and apply relevant knowledge, engage in effective communication, and collaborate with diverse teams to address urban governance challenges responsibly and constructively.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of a wide range of advanced knowledge related to the built environment. (K1-k)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
	Skills			
2.1	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning	Eval. of Research
2.2	Effectively engage in communication with others. (S5-a)	**S5**	Collaborative L. (Teamwork Research)	Eval. of Presentation
	()			
	Values, autonomy, and responsibility			
3.1	Collaborate effectively and lead diverse teams to complete tasks responsibly and constructively. (V2-c)	**V2**	Collaborative L. (Teamwork Research)	Eval. of Research
3.2	Mange and complete tasks efficiently under pressure and within deadlines. (V3-a)	**V3**	Self–Learning	Assignments & Tasks

C. Course Content

No	List of Topics	Contact
1	Introduction to urban governance: Definition, importance and historical evolution	2
2	Urbanization and urban governance challenges	2
3	Global urban governance	2
4	Theories and frameworks in urban governance	2
5	Parameters of city management: Urban equality	2
6	Parameters of city management: Public participation	2
7	Parameters of city management: Socio-economic parameter	2
8	Parameters of city management: Feeling of secure	2
9	Legal and institutional frameworks	2
10	Urban finance and economics	2
11	Role of technology in urban governance: E-governance and smart city initiatives	2
12	Urban governance and management in KSA	2
13	Case studies and practical applications	2
14	Future of urban governance	2
15	Research presentation	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research, Eval. of Presentation, Assignments & Tasks)	1 to 15	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Carmona, M. (2021). Public places urban spaces: The dimensions of urban design. Routledge.
	Habitat. (2016). Urban Governance, Capacity and Institutional Development.
Supportive References	Weith, T. (2020). Sustainable Land Management in a European Context. Intl Springer.
	الرشود، عبدالمحسن محمد. (1419هـ). الإدارة المحلية في المملكة العربية السعودية، دار الشبل للنشر و التوزيع، الرياض.
	وزارة البلديات والإسكان. الاشتراطات والضوابط واألنظمة واللوائح.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Internet connection
	Powerful computer/ laptop
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Fares Saad M Al-Saygh	**Abdulrahman Abdulaziz Majrashi**	**Oumr Adnan Osra**
Head of PPC	**Head of C&SPC**	**Head of D&QC**
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
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Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
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	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
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	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Urban Economies**
Course Code:	**ARC 4743**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Planning)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UP33-e ** Elective Course 3: Urban Planning Courses Group: Urban Plan.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required		Elective	●						

3. Year/ level at which this course is offered: Year 5 Level 10

4. Course general description:

This course delves into the strategies used by policymakers and planners to foster healthy urban economies. It covers the role of economic development specialists and explores a range of tools for urban economic development and redevelopment. Key topics include labor force issues, housing, transportation, and the impact of technology. The course also examines new strategies in urban economics and features international and Saudi case studies for practical insights.

5. Pre-requirements for this course (if any):

ARC 4500	Cooperative Training	Year: 5	Level: 9

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to equip students with advanced knowledge of urban economies, focusing on the economic forces that shape the built environment. Students will develop the ability to independently seek and apply relevant knowledge, engage in effective communication, and collaborate with diverse teams to address economic challenges within urban contexts.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of a wide range of advanced knowledge related to the built environment. (K1-k)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
	Skills			
2.1	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning	Eval. of Research
2.2	Effectively engage in communication with others. (S5-a)	**S5**	Collaborative L. (Teamwork Research)	Eval. of Presentation
	()			
	Values, autonomy, and responsibility			
3.1	Collaborate effectively and lead diverse teams to complete tasks responsibly and constructively. (V2-c)	**V2**	Collaborative L. (Teamwork Research)	Eval. of Research
3.2	Mange and complete tasks efficiently under pressure and within deadlines. (V3-a)	**V3**	Self–Learning	Assignments & Tasks

C. Course Content

No	List of Topics	Contact
1	Introduction	2
2	Axioms of Urban Economics	2
3	Factors Driving Urban Development: From Trade and Industry to Innovation	2
4	Agglomeration Economies: Firms Clustering	2
5	Economics and City Size	2
6	Economics and Urban Growth	2
7	Economics and Urban Land Rent	2
8	Economics and Land-Use Patterns	2
9	Neighborhood Choice	2
10	Growth Controls	2
11	Autos and Highways	2
12	Urban Transit	2
13	Housing Market and Policy	2
14	Local governments in KSA	2
15	Research presentation	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research, Eval. of Presentation, Assignments & Tasks)	1 to 15	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	O'sullivan, A. (2019). Urban Economics. Mcgraw-Hill/Irwin.
	0
Supportive References	Sieg, H. (2020). Urban Economics and Fiscal Policy. Princeton University Press.
	McDonald. J.(1997). Fundamentals of Urban Economics.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Internet connection
	Powerful computer/ laptop
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Students	Indirect (Questionnaire)
Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
REFERENCE NO.	Department of Architecture Council, 12-1446
DATE	April, 2025

Initial Review	Course Coordinator	Head of Department
Fares Saad M Al-Saygh	**Abdulrahman Abdulaziz Majrashi**	**Oumr Adnan Osra**
Head of PPC	Head of C&SPC	Head of D&QC
Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
2	Fundamental Design Principles Studio	Visual Studies	Vector-based Drawing	Architectural Models Studio	English Language 2	University Skills	The Holy Quran Memorization 1
3	Small Public Buildings Design Studio	Building Construction Studio 1	3D Modeling	Buildings Design Standards 1	Environmental Control Systems	Introduction to Artificial Intelligence	The Holy Quran Memorization 2
4	Vernacular Architecture Design Studio	Building Construction Studio 2	Principles of Urban Design	Architecture of Islamic Civilization	Principles of Landscape Architecture	Values and Ethics	Completion of the Holy Quran
5	Sustainable Design Studio	Building Construction Studio 3	Introduction to Urban Design Studio	Renaissance and Pre-modern Architecture	Principles of Urban Planning	Housing	General Elective
6	Long-Span Buildings Design Studio	Building Construction Studio 4	Architectural Research Methods	20th Century and Contemporary Architecture	Introduction to Urban Planning Studio	Advanced Technologies in Building Construction	Mathematics for Architects

Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
	Islamic Identity in Contemporary Architecture	City Branding	Sustainable Urban Tourism
8	Photorealistic Rendering Techniques	Advanced studies in Landscape Architecture	Smart Cities
	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
10	Resilient Urban Design	Fundamentals of Real Estate Development	Urban Risk Management
	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

Course Specification
(Bachelor)

Course Title:	**Urban Indicators**
Course Code:	**ARC 4744**
Program:	**Bachelor of Architecture and Planning**
Track:	**(Urban Planning)**
Department:	**Architecture**
College:	**Engineering and Architecture**
Institution:	**Umm Al-Qura University**
Version:	**1**
Last Revision Date:	**Jan, 2025**

* UP34-e ** Elective Course 3: Urban Planning Courses Group: Urban Plan.

Table of Contents:

A. General Information about the course 3

1. Course Identification 3

2. Teaching mode 3

3. Credit Hours 4

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D. Student Assessment Activities 5

E. Learning Resources and Facilities 5

1. References and Learning Resources 5

2. Required Facilities and Equipment 6

F. Assessment of Course Quality 6

G. Specification Approval Data 6

A. General information about the course:

1. Course Identification

1. Credit hours:	2 Cr. Hrs.	**Contact hours:**	2 Hrs. / week

2. Course type

a.	University		College		Department		Track	●	Supporting	
b.	Required		Elective	●						

3. Year/ level at which this course is offered: Year 5 Level 10

4. Course general description:

This course focuses on understanding and applying urban indicators, which measure various aspects of urban activities. Emphasizing the twenty key areas of the Habitat Agenda, the course covers shelter, social, environmental, and governance indicators at the city level. Students will learn to analyze and interpret quantitative and qualitative data, gaining insights into how urban indicators are used to assess and improve city performance in these critical areas.

5. Pre-requirements for this course (if any):

ARC 4500	Cooperative Training	Year: 5	Level: 9

6. Co- requirements for this course (if any):

None

7. Course main objective(s)

This course aims to equip students with advanced knowledge of urban indicators, focusing on the metrics and data used to assess and guide urban development. Students will develop the ability to independently seek and apply relevant knowledge, engage in effective communication, and collaborate with diverse teams to analyze and interpret urban indicators.

2. Teaching mode (Mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

2. Contact Hours (Based on the academic semester)

No.	Activity	Contact Hours
1	Lecture	30
2	Practical	0
3	Studio	0
4	Graduation project	0
5	Training	0
6	Others (specify)	--
	Total	**30**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Aligned PLO	Teaching Strategies	Assessment Methods
	Knowledge and understanding			
1.1	Demonstrate an understanding of a wide range of advanced knowledge related to the built environment. (K1-k)	**K1**	Interactive L. (Dialogue & discussion)	Written Exam
	Skills			
2.1	Independently seek knowledge and use it appropriately. (S3-a)	**S3**	Self–Learning	Eval. of Research
2.2	Effectively engage in communication with others. (S5-a)	**S5**	Collaborative L. (Teamwork Research)	Eval. of Presentation
	()			
	Values, autonomy, and responsibility			
3.1	Collaborate effectively and lead diverse teams to complete tasks responsibly and constructively. (V2-c)	**V2**	Collaborative L. (Teamwork Research)	Eval. of Research
3.2	Mange and complete tasks efficiently under pressure and within deadlines. (V3-a)	**V3**	Self–Learning	Assignments & Tasks

C. Course Content

No	List of Topics	Contact
1	Introduction	2
2	Sources of urban development indicators	2
3	The data collection process	2
4	The urban agglomeration's boundaries definition	2
5	Shelter indicators - Part 1	2
6	Shelter indicators - Part 2	2
7	Social development indicators - Part 1	2
8	Social development indicators - Part 2	2
9	Environmental management indicators - Part 1	2
10	Environmental management indicators - Part 2	2
11	Environmental management indicators - Part 3	2
12	Economic development indicators	2
13	Governance and administration indicators	2
14	Urban indicators in KSA	2
15	Research presentation	2
	Total	30

D. Students Assessment Activities

No	Assessment Activities *	Timing (week)	% of Total
1	(Eval. of Research, Eval. of Presentation, Assignments & Tasks)	1 to 15	30
2	Mid-Term Exam (Written Exam)	7	30
3	Final Exam (Written Exam)	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Habitat. (2004). Urban Indicators Guidelines. UN.
	0
Supportive References	الهيئة العليا لتطوير مدينة الرياض. (2018). المؤشرات الحضرية لمدينة الرياض. المرصد الحضري لمدينة الرياض.
Elec. Materials	Websites on the internet that are relevant to the topics of the course.
Other Materials	Multimedia associated with the text book and the relevant websites.

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	
	Equipped Classroom
Technology equipment (Projector, smart board, software)	Internet connection
	Powerful computer/ laptop
Other equipment	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching strategy	Students	Indirect (Questionnaire)
Effectiveness of evaluation system	Students	Indirect (Questionnaire)
Quality of learning resources	Students	Indirect (Questionnaire)
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Extent of achievement of CLOs	Faculty member	Direct (Results analysis)
Effectiveness of evaluation system	Peer reviewer	Direct (Results analysis)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Programs Preparation Committee (PPC) Curriculum and Study Plans Committee (C&SPC) Development and Quality Committee (D&QC) Department of Architecture Council
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Mohamed Atef Elhamy Kamel	**Mohamed Wahba Ibrahim Khalil**	**Ahmed M. A. Shehata**

Bachelor of Architecture and Planning Program

General Architecture

1	Architectural Formation Principles Studio	Architectural Drawing	Design Process and Methods	Ancient Civilizations and Medieval Architecture	Design Thinking	English Language 1	The Holy Quran Tajweed
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Architecture Track

7	Heritage Buildings Conservation Studio	Working Drawings Studio 1	Creative Generative-Design	Buildings Design Standards 2	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Professional Practice Studio	Working Drawings Studio 2	Integrated Architectural Design Studio 1	Architectural Project Management 1	Elective Course 2	Applications of Building Code in Architecture	Professional Development Skills
9	Cooperative Training						
10	Integrated Architectural Design Studio 2	Economics of Architectural Projects	Professional Practice for Architects	Architectural Project Management 2	Elective Course 3	Universal Design Code	Graduation Project

Urban Design Track

7	New Areas Urban Design Studio	Landscape Design Studio 1	Urban Information Systems	Urban design methodologies and techniques	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing Areas Urban Design Studio	Landscape Design Studio 2	Integrated Urban Design Studio 1	Urban Environmental Control	Elective Course 2	Sustainable Urban Design	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Design Studio 2	Conservation of Heritage Sites	Professional Practice of Urban Design	Urban Mobility	Elective Course 3	Streetscape	Graduation Project

Urban Planning Track

7	New City Urban Planning Studio	Housing Planning Studio 1	Urban Planning Information Systems	Urban Planning Theories	Elective Course 1	The Family in Islam	Principles of Statistics for Architects
8	Existing City Development Studio	Housing Planning Studio 2	Integrated Urban Planning Studio 1	Advanced Urban Information Systems	Elective Course 2	Sustainable Cities	Professional Development Skills
9	Cooperative Training						
10	Integrated Urban Planning Studio 2	Urban Sociology and Population	Professional Practice of Urban Planning	Planning of Urban Mobility	Elective Course 3	Regional Planning	Graduation Project

	Elective Courses: Architecture	Elective Courses: Urban Design	Elective Courses: Urban Planning
7	Islamic Values in Architecture	Temporary Urbanism	Cities and Climate Change
	Saudi Regional Architectural Identity	Humanizing the Cities	Urban Conservation and Renewal
	Architecture of the Two Holy Mosques	Floating Cities	Urban Development in Saudi Arabia
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	Computer Modeling in Building Construction	Cities Centers	Technology and Urban Change
	AI Applications in Architecture	Terminals Planning and Design	Future Urbanism
	Environmental Simulation	Selected Topics in Urban Design	Selected Topics in Urban and Regional Planning
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	Sustainable Landscape Architecture	Urban Project Management	Urban Governance
	Human and Urban Environment	Crowd Management	Urban Economies
	Urban Wayfinding	Multicriteria Assessment of Urban Development Projects	Urban Indicators

4 Courses

Summary

SUMMARY OF COURSE DESCRIPTIONS

This section presents brief descriptions of courses in the curriculum for Bachelor of Architecture and Planning program. It includes description of core and elective courses in each track.

1. General Architecture Courses

ARC 1101 - Architectural Formation Principles Studio (5 CH.)
This studio focuses on the fundamental elements of architectural formation. Students will explore the primary components of design—point, line, and plane—while examining the visual properties of form and space, including materials, light, texture, pattern, and color. The course also covers the concepts of proportion, scale, and ordering principles, helping students understand how these elements work together to create cohesive 3D compositions. Students will develop foundational skills in visual studies and representation through studio assignments and projects.

ARC 1102 - Architectural Drawing (2 CH.)
This course provides a comprehensive introduction to architectural graphics, focusing on the manual skills required to convey design ideas through visual representation. Students will learn key graphic tools and drafting conventions, with an emphasis on orthographic projection and its relationship to 3D models. The course also covers essential topics such as scale and dimensioning, equipping students with the foundational skills necessary to create effective architectural drawings and presentations.

ARC 1000 - Design Process and Methods (2 CH.)
This course offers an in-depth exploration of architectural design processes and methods, focusing on space program analysis, site analysis, design philosophy, and the development of human-centered design proposals. Students will apply these concepts to the design of a housing unit, learning how to make informed design decisions throughout the process. The course also emphasizes the development of diagram drawing techniques to enhance design communication and presentation.

ARC 1201 - Ancient Civilizations and Medieval Architecture (2 CH.)
This course provides an overview of ancient architecture from prehistoric times to the end of the medieval period, focusing on the cultural, technological, and aesthetic developments throughout history. Key architectural traditions covered include Mesopotamian, ancient Egyptian, Greek, Roman, Byzantine, and Gothic architecture, with an additional focus on the traditional architecture of China and Japan. Students will gain a deeper understanding of how these architectural styles shaped and reflected their respective societies.

IND1101 - Design Thinking (2 CH.)
يتضمن هذا المقرر تعريف الطالب بمنهجية التفكير التصميمي (Design Thinking) كأداة لحل المشكلات بطرق إبداعية وابتكارية ،ودمجه بالتكنولوجيا الحديثة مثل: تقنيات الذكاء الاصطناعي، وذلك من خلال الفهم العميق لاحتياجات المستخدمين، توليد الأفكار النمذجة الأولية، والاختبار المستمر للحلول والمعالجات للمشكلات الواقعية بالاستفادة من أدوات التكنولوجيا الحديثة وتقنيات الذكاء الاصطناعي. مع التركيز على المنهجية لتطوير حلول تصميمية واقعية وقيمة في مختلف التخصصات والعلوم النظرية والعملية.

ELIN1301 - English Language 1 (3 CH.)
English Language I is a single-level, English for General Purposes (EGP) course. All students who are admitted to Bachelor in the Non-EMI Colleges (College of Islamic Economics and Finance, Department of Architecture) are required to take this course in the first semester of the first year of their program. The course covers the four language skills. It intends to develop students' knowledge and ability of English language in all major skills which include reading, writing, listening, and speaking, as well as in sub-skills including grammar, vocabulary, and pronunciation.

QR1101 - The Holy Quran Tajweed (2 CH.)
يشتمل المقرر على دراسة أحكام التجويد دراسة نظرية، مع تلاوة سورتي البقرة وآل عمران تلاوة مجودة وفق ما تم دراسته.

ARC 1001 - Fundamental Design Principles Studio (5 CH.)
This studio course introduces students to the fundamentals of architectural design, focusing on the application of design processes and methods. Students begin by exploring residential spaces furniture and analyzing the functional relationships between them. The course culminates in the design of housing units, where students apply these principles while considering the social and cultural context of Saudi society. This studio fosters critical thinking and culturally responsive design solutions.

ARC 1103 - Visual Studies (3 CH.)
This course focuses on developing freehand sketching skills and architectural visual representation. Students will learn perspective types, including one-point and two-point perspectives, for accurately representing three-dimensional architectural forms. The course covers techniques for drawing both exterior and interior perspectives, as well as casting shades and shadows on two- and three-dimensional drawings. Various rendering techniques, such as pencils, colored pencils, markers, pens, and ink, will be explored to enhance the visual impact of architectural drawings.

ARC 1104 - Vector-based Drawing (2 CH.)
This course introduces the fundamentals of Computer-Aided Design (CAD), focusing on basic drafting commands and standard methods for creating technical 2D drawings. Students will learn to navigate CAD software, apply essential drafting techniques, and produce accurate, professional-grade architectural drawings. Students will apply their knowledge through practical exercises, focusing on the housing unit they currently design in the architectural design studio.

ARC 1105 - Architectural Models Studio (3 CH.)
This studio introduces the fundamentals of architectural model-making, emphasizing its role in developing and communicating design ideas. Students will learn how to conceptualize and construct architectural models as a bridge between design concepts and their physical realization. The studio covers various model-building techniques and materials, allowing students to explore different approaches to representing architectural ideas in three-dimensional form. Studio projects help students refine their skills in crafting accurate and expressive models.

ELIN1302 - English Language 2 (3 CH.)
English Language 2 is a single-level, English for General Purposes (EGP) course. All students who are admitted to Bachelor in the Non-EMI Colleges (College of Islamic Economics and Finance, Department of Architecture) are required to take this course in the second semester of the first year of their program. The course intends to develop students' knowledge and ability of English language in all major skills which include reading, writing, listening, and speaking, as well as in sub-skills including grammar, vocabulary, and pronunciation.

CUR1101 - University Skills (0 CH.)
يركز هذا المقرر على تعريف الطلبة وتدريبهم على استخدام المهارات المرتبطة بالنجاح في إطار البيئة الجامعية من حيث التعريف بمكونات المجتمع الجامعي وخصائصه وملامح البيئة الجامعية الفاعلة واستراتيجيات التعليم والتعلم وطرق الاستذكار وإدارة الوقت، ومهارات معالجة المعلومات ومهارات البحث العلمي واستخدام التقنية والبحث في قواعد البيانات، ومهارات التواصل الفعال في البيئة الجامعية وتنمية مهارات التفكير بمختلف أنواعه ومهارات الكتابة الأكاديمية والقراءة بوصفهما أداتين لتنمية مهارات الدراسة الجامعية.

QR2102 - The Holy Quran Memorization 1 (2 CH.)
يشتمل المقرر على حفظ سورة الكهف، مع تطبيق أحكام التجويد، وشرح معاني غريب الكلمات القرآنية في السورة.

ARC 2002 - Small Public Buildings Design Studio (5 CH.)
This studio course focuses on the design of small-scale public buildings such as kindergartens, restaurants, post offices, bank branches, and fire stations. It builds on values, knowledge, and skills acquired in previous courses, applying them creatively to project development. Students engage in all design phases, from concept to detailed planning, while honing their CAD software skills. The studio fosters comprehensive architectural problem-solving to develop sound design decisions and creative architectural solutions.

ARC 2301 - Building Construction Studio 1 (2 CH.)
This studio illustrates fundamental properties of building materials. It also emphasizes the crucial first phase of construction: site preparation, safety, foundations, and bearing-walls working drawings. Students will apply their knowledge through practical exercises, focusing on the preparation of construction sites, foundations, and bearing-walls working drawings for the housing unit they have previously designed in Fundamental Design Principles Studio.

ARC 2106 - 3D Modeling (3 CH.)
This course introduces students to 3D modeling for architectural design, a crucial tool for visualizing exterior and interior projects. Students will learn to use computer modeling software efficiently, covering detailed procedures such as texture mapping, navigation, lighting, rendering, and animation. The course emphasizes practical application, with students applying their skills to the housing unit they previously designed in the architectural design studio, enhancing their ability to create highly appealing visualizations.

ARC 2010 - Buildings Design Standards 1 (2 CH.)
This course provides foundational knowledge and skills for analyzing building elements and understanding design standards for various types of simple buildings. Students will explore considerations for different building types, including small libraries, schools, restaurants, clinics, banks, art galleries, malls, cinemas, exhibitions, office buildings, and mosques. The course emphasizes practical analysis of design requirements and standards, preparing students to approach diverse architectural projects with a comprehensive understanding of functional and regulatory considerations.

ARC 2307 - Environmental Control Systems (2 CH.)
This course explores the interaction between buildings and climate, focusing on creating comfortable and controlled environments for occupants. It examines both natural and man-made effects on building performance and comfort. Students will study examples of passive design strategies tailored to hot-humid and hot-arid climates, learning techniques to enhance building efficiency and user comfort through climate-responsive design approaches.

AI2001 - Introduction to Artificial Intelligence (2 CH.)
يقدم هذا المقرر للطالب المفاهيم الأساسية في مجال الذكاء الاصطناعي، حيث يتم استعراض المبادئ النظرية والتطبيقية لهذا المجال. يغطي المقرر مفهوم وتاريخ وتطور الذكاء الاصطناعي والتقنيات الأساسية التي يعتمد عليها. كما يركز على تطبيقات الذكاء الاصطناعي في مجالات متنوعة وتأثيرها على الحياة اليومية، بالإضافة إلى مناقشة الجوانب الأخلاقية والتحديات المرتبطة بهذا المجال.

QR2103 - The Holy Quran Memorization 2 (2 CH.)
يشتمل المقرر على حفظ سورة الكهف، مع تطبيق أحكام التجويد، وشرح معاني غريب الكلمات القرآنية في السورة.

ARC 2003 - Vernacular Architecture Design Studio (5 CH.)
This studio course highlights the significance of architectural heritage and its impact on contemporary design. Students will review traditional design and construction methods from various regions of Saudi Arabia and explore how these can be revived and adapted for modern projects. The course emphasizes integrating historical techniques with contemporary design practices, encouraging students to innovate while respecting and preserving architectural heritage.

ARC 2302 - Building Construction Studio 2 (2 CH.)
This studio explores the conventional construction systems. Moreover, it illustrates various types of insulation and building joints, as well as the details of doors and windows and vertical movement elements (stairs and ramps). Through hands-on projects, students will apply their knowledge to the housing units they previously designed in the architectural design studio.

ARC 2401 - Principles of Urban Design (2 CH.)
This course introduces students to essential concepts and principles of urban design, focusing on methodologies that effectively shape urban environments. Through lectures, students will develop foundational urban design skills, preparing them for active participation in subsequent urban design studio and specialized studios of urban design track.

ARC 2202 - Architecture of Islamic Civilization (2 CH.)
This course surveys the architectural developments across various Islamic regions and dynasties, highlighting the evolution of Islamic urbanism and its cultural context. Students will explore the relationship between Islamic values and architectural principles, deepening their understanding of the artistic and urban characteristics of Islamic culture. The course enhances appreciation of the architecture of Islamic civilization and familiarizes students with its key vocabulary, encouraging the use and development of Islamic architectural elements in contemporary design.

ARC 2402 - Principles of Landscape Architecture (3 CH.)
This course introduces students to the fundamentals of landscape architecture, covering key elements such as softscape (planting, water features) and hardscape materials. It addresses landscape design determinants and considerations, providing students with the skills to create functional and aesthetic landscapes in urban settings. Through a combination of lectures and hands-on application on a small project, students will develop the ability to create a conceptual landscape design for outdoor spaces.

ICC1201 - Values and Ethics (2 CH.)
يقدم هذا المقرر مادة علمية تأصيلية عن القيم والأخلاق في الإسلام، من حيث مفهومها وأهميتها وأسسها وأبرز جوانبها. وعن الجانب الخُلُقي العظيم لرسولنا الكريم صلى الله عليه وسلم، ثم يعرض تطبيقات قيمية وأخلاقية ترقى بالمجتمع وتحافظ عليه.

QR3104 - Completion of the Holy Quran (2 CH.)
يشتمل هذا المقرر على تلاوة آيات القرآن الكريم، من سورة النساء إلى سورة الناس، تلاوة مجودة، وبيان معاني غريب الكلمات القرآنية في السور المقررة، والالتزام بأحكام التجويد وأدائه.

ARC 3004 - Sustainable Design Studio (5 CH.)
This course focuses on integrating environmental sustainability into architectural design through passive and active design principles. It introduces a sustainable framework for creating healthy, efficient, and green buildings. Students will build upon this knowledge by applying sustainable strategies and technologies to a medium-sized design project. By the end of the course, students will be equipped to select and implement appropriate solutions to enhance a building's environmental performance and sustainability.

ARC 3303 - Building Construction Studio 3 (2 CH.)
This studio focuses on producing detailed technical drawings of building installations. It covers mechanical, plumbing, and electrical systems, along with acoustical and illumination systems. Additionally, students explore smart technologies such as IoT and computer-based systems. Using their previously designed housing units, students will execute detailed drawings of water supply, drainage, electrical, and mechanical systems, as well as lighting treatments, ensuring a comprehensive understanding of building technical installations.

ARC 3403 - Introduction to Urban Design Studio (3 CH.)
This studio introduces students to the practical application of key concepts and principles in urban design, focusing on understanding the urban environment. Through small-scale urban design assignments, students will build upon their previously acquired skills, applying them to real-world scenarios. The course emphasizes hands-on learning and encourages the development of foundational urban design techniques, preparing students for more advanced studios in the urban design track.

ARC 3203 - Renaissance and Pre-modern Architecture (2 CH.)
This course introduces students to world architecture from the Renaissance through the 18th and 19th centuries, leading up to the pre-modern period. It explores the cultural, technological, and aesthetic developments that shaped architectural history during these eras. Emphasis is placed on the works and trends of architects and movements, helping students understand the evolution of architectural styles and their impact on the built environment through time.

ARC 3404 - Principles of Urban Planning (2 CH.)
This course provides a foundational introduction to urban planning, serving as a prelude to the "Introduction to Urban Planning Studio" and other studios in the urban planning track. It explores the history of cities, land use, urban services and infrastructure, essential studies required, and data collection and analysis. Students will cover topics such as urban planning studies, demographic and economic studies, environmental studies, SWOT analysis, and vision and objective determination. This comprehensive understanding equips students with the tools necessary for effective urban planning.

ARC 3405 - Housing (2 CH.)
This course explores key definitions and concepts related to housing, including shelter, population, and area density. Students will examine different housing types, factors influencing housing design, and criteria for addressing design considerations. The course also tackles common housing problems and solutions, with a focus on sustainable and livable communities. In its final phase, the course emphasizes neighborhood planning, providing students with the skills to design functional and cohesive residential areas.

x - General Elective (2 CH.)
Specified Below

ARC 3005 - Long-Span Buildings Design Studio (5 CH.)
This course provides an in-depth understanding of various long-span structural systems essential for architectural design. Students will explore various long-span structural systems, including folded plates, shells, tents, cables, trusses, space trusses, and space frames. The course aims to equip students with the knowledge to select and apply appropriate construction materials and structure systems for projects involving large spans.

ARC 3304 - Building Construction Studio 4 (2 CH.)
This course provides a comprehensive overview of exterior and interior finishing materials and techniques. it covers the key materials and methods for finishing building facades, including curtain walls, glass blocks, aluminum cladding, brickwork, and stucco. It also introduces interior wall finishes such as wood paneling and paints, as well as ceiling finishes like false ceilings and gypsum boards. Additionally, the course explores floor surface finishes, including tiles, hardwood, vinyl, and marble. Using previously designed housing unit, students will apply gained knowledge

ARC 3206 - Architectural Research Methods (2 CH.)
This course provides students with a comprehensive understanding of research methods in the field of architecture. It equips students with the skills to identify research problems and questions, collect and analyze relevant data, and effectively communicate their research findings. Emphasizing both qualitative and quantitative approaches, the course prepares students to conduct independent research, contributing to academic knowledge and addressing challenges in the field of architectural and uranism.

ARC 3204 - 20th Century and Contemporary Architecture (2 CH.)
This course introduces students to twentieth-century architecture, focusing on the pioneers and movements of modernism and their impact on architectural design. It examines the interaction between philosophical, cultural, ethical, and socio-economic concepts with architectural form and expression. Through case studies and discussions, students will explore how modernism shaped contemporary architecture.

ARC 3406 - Introduction to Urban Planning Studio (3 CH.)
This studio introduces students to the practical application of key concepts and principles in urban planning. Focusing on essential studies required for urban planning projects, students will build upon knowledge from the "Introduction to Urban Planning" course. Through assignments addressing specific urban issues, students will collect and analyze data related to urban planning aspects of an existing small town, gaining hands-on experience in real-world urban planning challenges.

ARC 3305 - Advanced Technologies in Building Construction (2 CH.)
This course explores the impact of emerging technologies and materials on building construction and operation, emphasizing energy efficiency, environmental sustainability, and health and safety. Topics include the future of construction, nanotechnology, smart materials, advanced renewable energy systems, and the role of robotics. Students will also investigate AI, VR/AR/MR applications, 3D printing, and various dimensions of Building Information Modeling (BIM). The course provides a comprehensive overview of how these innovations integrate to enhance construction practices.

MTH1183 - Mathematics for Architects (2 CH.)
This course introduces essential mathematical concepts needed for architectural studies, focusing on geometry and calculus. Topics include a review of trigonometry, calculations of areas and volumes for basic geometric figures, and the analytic geometry of lines, planes, and vectors in two and three dimensions. The course also covers differential and integral calculus, emphasizing practical applications such as optimization problems and determining areas and volumes through integration. These foundational skills will enable students to approach architectural challenges with confidence and precision.

2. Architecture Courses

ARC 4006 - Heritage Buildings Conservation Studio (5 CH.)
This studio emphasizes the significance of architectural heritage, introducing students to the criteria for identification, classification, documentation, and various levels of conservation. It addresses threats to heritage buildings, including neglect, lack of maintenance, and deterioration. Through hands-on project, students will apply their knowledge by engaging in the conservation and adaptive reuse of a significant heritage building in Saudi Arabia, demonstrating practical approaches to preserving architectural heritage while maintaining its relevance for contemporary use.

ARC 4306 - Working Drawings Studio 1 (3 CH.)
This course introduces students to the professional working drawings, building on knowledge from previous construction studios. Students will apply this knowledge to a previously designed small-scale public building, focusing on dimensioning, coordination, annotation, and coding systems. The course emphasizes the coordination of architectural, structural, and electromechanical requirements, as well as detailed blow-up drawings.

ARC 4107 - Creative Generative-Design (2 CH.)
This course introduces students to generative design technologies, providing computational tools and algorithms that act as a copilot in the design process. It explores the potential of parametric modeling, scripting, and generative systems in architectural design. Students will experiment with form generation, evaluation, and optimization methods, building on an extensive palette of parametric and analytical tools. The course encourages creative exploration, leveraging computation to enhance and optimize architectural design outcomes.

ARC 4011 - Buildings Design Standards 2 (2 CH.)
This course provides students with the knowledge and skills to analyze building elements and identify design standards for various complex building types, including hotels, hospitals, museums, theaters, and cultural centers. It also covers design considerations for specialized structures like airports, stadiums, public libraries, city halls, and courthouses. Students will learn to apply these standards in the design process, addressing the unique functional and spatial requirements of each building type.

ARC 421# - Elective Course 1 (2 CH.)
Specified Below

ICC4202 - The Family in Islam (2 CH.)

يقدم هذا المقرر مادة علمية تأصيلية تبين فيها أهمية الأسرة، من حيث مفهومها، ومكانتها، ومقاصد بنائها. وهدي الإسلام في حل المشكلات والتعامل معها، وكيفية تقديم دراسة تحليلية لأسرتي خليلي الرحمن، إبراهيم ومحمد عليهما الصلاة والسلام

MTH1681 - Principles of Statistics for Architects (2 CH.)
This course introduces architects to fundamental concepts and techniques in statistics, providing essential tools for data analysis and interpretation in architectural and urban practice. Focusing on descriptive statistics and basic probability theory, the course equips students with the skills to analyze data, identify trends, and make informed, evidence-based decisions.

ARC 4007 - Professional Practice Studio (5 CH.)
This studio focuses on designing a real project, reinforcing the fundamentals of architectural professional practice. Students will build upon the values, knowledge, and skills acquired in previous courses, applying them creatively to various development phases of the project. The project's location will be determined in coordination with relevant public or private sector authorities or by the studio coordinator, ensuring a practical and contextually relevant design experience.

ARC 4307 - Working Drawings Studio 2 (3 CH.)
This studio focuses on the preparation of quantities and specifications for architectural projects. Students will learn methods for writing construction specifications, with an emphasis on using industry standards and master guides, particularly Saudi Building Code. The studio also covers techniques for calculating material quantities. Students will apply these concepts to a small administrative building project previously developed in "Execution Design Studio 1" reinforcing practical skills in construction documentation.

ARC 4008 - Integrated Architectural Design Studio 1 (2 CH.)
This studio serves as an introduction to the "Integrated Architectural Design Studio 2", guiding students in selecting a project title that aligns with their design approach. The course enables students to choose and analyze the appropriate site, create a detailed space program, and define planning and design standards for the selected project. Moreover, students will learn to develop a project methodology by analyzing similar local, regional, and international projects. A comprehensive and well-written report on the cited studies and the main design concept are required as the primary deliverables for this course.

ARC 4503 - Architectural Project Management 1 (2 CH.)
This course is designed for undergraduate architecture students and introduces key concepts in construction management. It covers terminology, types of construction projects, and the roles and responsibilities of construction managers. The course provides an overview of contract documents, various construction contracts, and project delivery methods, with a focus on critical path analysis for project planning. Additionally, students will be introduced to computer-based applications used in construction management, enhancing their practical skills in the field.

ARC 411# - Elective Course 2 (2 CH.)
Specified Below

ARC 4309 - Applications of Building Code in Architecture (2 CH.)
This course provides an overview of both local and international building codes and regulations, with a focus on the Saudi Building Code (SBC 201). Students will explore essential topics, gaining an understanding of the regulations and standards required for safe and efficient practices. The course emphasizes the importance of adhering to both local and international guidelines in professional architectural practice in Saudi Arabia.

BUS1099 - Professional Development Skills (2 CH.)
يركز المقرر على تطوير مهارات الطلاب اللازمة لدخول سوق العمل بكفاءة، بما يشمل البحث عن الوظيفة، إعداد السيرة الذاتية، اجتياز المقابلات، والتخطيط المهني. كما يعزز مهارات التواصل والعمل الجماعي ويغرس القيم الأخلاقية في بيئة العمل.

ARC 4500 - Cooperative Training (6 CH.)
This course provides students with the opportunity to apply their theoretical knowledge in real-world architectural settings. It bridges academic learning and professional practice, enhancing students' skills and career readiness. Through hands-on experience, students explore career interests within the architectural field while adhering to the rules and regulations of the host firm. The department arranges training opportunities with architectural firms, though students may request training in specific institutions with prior supervisor approval. Student should pass 100 hrs. at least to attend this training.

ARC 4009 - Integrated Architectural Design Studio 2 (5 CH.)
This studio serves as the final graduation project where students are expected to apply the skills and knowledge gained throughout their academic journey. Each student will independently work on a project approved in the previous semester through the "Graduation Project Research" course. The course emphasizes the project's practical viability, constructability, and socio-cultural adaptability within Saudi Arabia. Students will explore design alternatives, evaluate them based on criteria, and develop a comprehensive final design proposal.

ARC 4505 - Economics of Architectural Projects (2 CH.)
This course introduces students to the fundamentals of economics and its influence on construction, preparing them to make informed economic decisions in architectural projects. Key topics include the time value of money, cash flow analysis, and factors affecting building costs. The course covers the principles of bill-of-quantity (BOQ), cost estimation, and value engineering. Advanced concepts in building economics and the impact of technical specifications on operation costs are also explored.

ARC 4501 - Professional Practice for Architects (2 CH.)
This course provides a comprehensive overview of the principles of professional architectural practice in Saudi Arabia. It covers ethical standards, the Code of Conduct, and the legal frameworks governing the profession. Additionally, the course explores the architect's role and responsibilities, as well as essential professional skills such as resume preparation, portfolio development, interview techniques, and hiring processes. Students will be well-prepared for a responsible, competent, and effective career in architecture.

ARC 4504 - Architectural Project Management 2 (2 CH.)
This course builds upon the foundational knowledge gained in Architectural Project Management I. It delves deeper into advanced project management techniques, including scheduling, resource allocation, leveling, project control, and construction supervision. Students will also explore more advanced applications of computer-based tools and software in construction management.

ARC 441# - Elective Course 3 (2 CH.)
Specified Below

ARC 4310 - Universal Design Code (2 CH.)
This course explores the principles and practices of universal design, a design philosophy that aims to create inclusive environments accessible to people of all abilities. Students will learn about the benefits of universal design and how it can enhance the quality of life for individuals with disabilities. The course will delve into strategies for designing accessible and equitable built environments, focusing on architectural solutions that address the needs of diverse user groups.

ARC 4208 - Graduation Project (3 CH.)
This capstone course explores architectural challenges related to Hajj, Umrah, and visit, focusing on heritage buildings in Makkah, Madinah, and the holy sites. Topics include the documentation and architectural survey of these sites, housing for pilgrims, and strategies for increasing capacity in areas like Mina through vertical and horizontal expansion. Students will engage in individual research, applying architectural principles to real-world challenges related to these sacred sites.

3. Architecture Elective Courses

ARC 4211 - Islamic Values in Architecture (2 CH.)
This course examines how Islamic teachings, rooted in principles such as privacy, humility, and hospitality, have historically shaped the design of Muslim's built environments and regulated spatial and social behaviors. By reviewing architectural features across various cities, in addition to their adaptation to diverse environments, the course highlights the enduring role of religious values as pillars of Islamic architecture. Students will explore how these principles can guide contemporary design practices to preserve local identity while meeting modern societal needs

ARC 4212 - Saudi Regional Architectural Identity (2 CH.)
This course delves into Architectural Identities of KAS and the King Salman Charter for Architecture and Urbanism, which provide a strategic framework for the future of architecture and urbanization in Saudi Arabia. It emphasizes a design methodology that respects the nation's rich history and cultural heritage while offering practical guidance for decision-makers and specialists. Students will explore how to shape contemporary architectural practice, ensuring a balance between tradition and modernity in urban and architecture development.

ARC 4213 - Architecture of the Two Holy Mosques (2 CH.)
This course focuses on the historical establishment and Saudi expansions of Al Masjid al-Haram and the Prophet’s Mosque, examining their role in shaping the urban fabric of Makkah and Madinah and their significant impacts on the surrounding urban environments. Topics include the architectural, social, and cultural effects of these expansions, as well as critical issues related to crowd management, and security and safety within these sacred spaces.

ARC 4214 - Islamic Identity in Contemporary Architecture (2 CH.)
This course examines the recent development of architecture with Islamic identity, focusing on how Islamic principles and traditions are interpreted in modern architectural design. Students will explore the challenges and opportunities architects face in creating buildings that authentically reflect Islamic identity while addressing contemporary needs and contexts. The course emphasizes the balance between tradition and innovation, providing insights into how architecture with Islamic identity evolves in today's globalized world.

ARC 4111 - Photorealistic Rendering Techniques (2 CH.)
This course introduces the fundamentals of photorealistic rendering, focusing on creating 3D images indistinguishable from reality. Students will learn advanced rendering techniques and explore post-production processes, such as adding backgrounds and people cutouts. The course emphasizes final image adjustments, including fine-tuning hue, saturation, and contrast. Through hands-on practice, students will master the skills required to produce polished, lifelike architectural visualizations.

ARC 4112 - Computer Modeling in Building Construction (2 CH.)
This course introduces Building Information Modeling (BIM) as a solution to the construction industry's productivity challenges. Students will explore the advantages of BIM in design, construction process management, and operations. The course covers the transition to BIM technologies and their role in improving efficiency and collaboration in construction projects. Additionally, students will gain foundational skills in using BIM software tools within the building construction field.

ARC 4113 - AI Applications in Architecture (2 CH.)
This course explores the integration of artificial intelligence (AI) into architecture, offering students a comprehensive understanding of AI techniques and their applications across design, planning, and construction processes. Topics also include how AI can enhance creativity, optimize building performance, and streamline workflows. Students will investigate AI-driven tools and technologies, gaining insights into the future potential of AI in revolutionizing architectural practice and shaping the built environment.

ARC 4114 - Environmental Simulation (2 CH.)
This course equips students with the skills to use simulation software for predicting and optimizing the environmental performance of spaces or buildings. Students will learn to virtually model geometry, materials, environmental factors, and occupancy patterns of real or assumed structures. The course covers the fundamentals of simulation, required inputs and outputs, and software accuracy. Through hands-on practice, students will manipulate design parameters and rerun simulations to enhance building performance.

ARC 4411 - Resilient Urban Design (2 CH.)
This course explores the principles and practices of urban design that can withstand and adapt to various environmental, social, and economic challenges. As urban areas face increasing pressures from climate change, population growth, and resource scarcity, resilience has become a critical component of sustainable urban design. Students will engage with concepts of resilience theory, adaptive systems, and disaster preparedness, applying them to urban design strategies that create flexible and robust communities.

ARC 4412 - Sustainable Landscape Architecture (2 CH.)
This course provides an in-depth introduction to sustainable landscape principles, focusing on xeriscaping strategies, technologies, and best practices. It covers a wide range of topics, including the design, construction, and management of sustainable systems for hydrology, vegetation, soils, and materials, with an emphasis on promoting human health and well-being. Through practical examples, students will explore the integration of these elements in creating environmentally responsible landscapes that thrive in arid environments.

ARC 4413 - Human and Urban Environment (2 CH.)
This course offers students the opportunity to explore the mutual relationship between humans and urban environments through in-depth investigations. It enhances students' understanding of contemporary human issues, including environmental preservation and the impact of the information revolution on the built environment. Weekly seminars provide a platform for students to present on selected topics and engage in discussions and brainstorming sessions with peers, fostering critical thinking and collaborative learning.

ARC 4414 - Urban Wayfinding (2 CH.)
This course focuses on the principles of wayfinding in urban environments, exploring its importance in enhancing navigation, accessibility, and safety. Students will examine the behaviors of wayfinders, the fundamentals of urban design that support effective wayfinding, and key concepts such as the movement perceptual system and cognitive mapping. The course covers essential wayfinding elements, along with the types of information needed to guide people through outdoor spaces efficiently.

4. Urban Design Track

ARC 4601 - New Areas Urban Design Studio (5 CH.)
This studio course focuses on the planning and design of large-scale urban projects such as international exhibitions (EXPO), entertainment parks, airport cities, financial centers, heritage tourism centers, and sustainable tourism hubs. Students start by identifying project objectives and problems, studying similar examples, and conducting site analyses. They will develop and evaluate urban design alternatives, selecting and refining the most suitable option to create a comprehensive final layout.

ARC 4602 - Landscape Design Studio 1 (3 CH.)
This course emphasizes the development of large-scale urban landscape projects, where students apply their skills to create both functional and innovative designs. The studio covers the execution of hardscape and softscape elements across different design phases. Additionally, students will learn to write detailed landscape specifications and calculate quantities, gaining a foundation in professional project documentation essential for the effective implementation of their designs.

ARC 4603 - Urban Information Systems (2 CH.)
This course introduces the fundamental principles of Geographic Information Systems (GIS), emphasizing its application in urban design. Students will gain an understanding of GIS technology and its practical uses, including data entry, editing, and simple analysis. The course also covers data visualization techniques and map layout preparation, providing both theoretical knowledge and hands-on experience to support urban design tasks in the profession.

ARC 4604 - Urban design methodologies and techniques (2 CH.)
This course explores urban design methodologies and techniques. In addition, it illustrates theories of urban design, focusing on how urban physical form interacts with economic, cultural, social, aesthetic, and natural forces. The course emphasizes a critical analysis of how these theories influence the design and development of public spaces in urban environments.

ARC 462# - Elective Course 1 (2 CH.)
Specified Below

ICC4202 - The Family in Islam (2 CH.)

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MTH1681 - Principles of Statistics for Architects (2 CH.)
This course introduces architects to fundamental concepts and techniques in statistics, providing essential tools for data analysis and interpretation in architectural and urban practice. Focusing on descriptive statistics and basic probability theory, the course equips students with the skills to analyze data, identify trends, and make informed, evidence-based decisions.

ARC 4607 - Existing Areas Urban Design Studio (5 CH.)
This studio course centers on the redevelopment of existing urban areas, including historic districts, city entrances, waterfronts, and city centers. Students will begin by defining project objectives and challenges, reviewing comparable projects, and conducting site analyses. They will then develop and assess urban design alternatives, selecting and refining the most effective solutions to produce a detailed final layout aimed at revitalizing and enhancing the chosen urban area.

ARC 4608 - Landscape Design Studio 2 (3 CH.)
This course aims to equip students with a comprehensive understanding of how to achieve a sustainable landscape. Students will learn to make design decisions that account for user needs and environmental impacts. They will be encouraged to create innovative concepts and forms that support sustainability. The course will also focus on utilizing diverse strategies to ensure a sustainable landscape while analyzing the factors that shape and influence it. Students will effectively apply digital tools throughout the design process and actively contribute to addressing sustainability challenges in landscape design.

ARC 4609 - Integrated Urban Design Studio 1 (2 CH.)
This studio serves as an introduction to the "Integrated Urban Design Studio 2", guiding students in selecting a project title that aligns with their design approach. The course enables students to choose and analyze the appropriate site, create a detailed space program, and define planning and design standards for the selected project. Moreover, students will learn to develop a project methodology by analyzing similar local, regional, and international projects. A comprehensive and well-written report on the cited studies and the main design concept are required as the primary deliverables for this course

ARC 4610 - Urban Environmental Control (2 CH.)
This course explores the critical role of environmental comfort in urban design, focusing on creating successful public spaces. It examines how factors such as sunlight, shade, temperature, humidity, precipitation, wind, and noise affect the usability and experience of urban environments. This course will analyze these elements to understand their impact on comfort and design effective urban spaces that enhance public well-being and satisfaction.

ARC 463# - Elective Course 2 (2 CH.)
Specified Below

ARC 4611 - Sustainable Urban Design (2 CH.)
This course explores the principles and practices of sustainable urban design, focusing on creating environmentally responsible and resilient urban environments. Students will learn to integrate green infrastructure, energy-efficient systems, and sustainable resources into urban planning. The course equips students with the skills needed to design urban areas that balance ecological health, economic viability, and community well-being, preparing them to contribute to the development of sustainable and vibrant cities.

BUS1099 - Professional Development Skills (2 CH.)
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ARC 4613 - Cooperative Training (6 CH.)
This course provides students with the opportunity to apply their theoretical knowledge in real-world urban design settings. It bridges academic learning and professional practice, enhancing students' skills and career readiness. Through hands-on experience, students explore career interests within the urban design field while adhering to the rules and regulations of the host firm. The department arranges training opportunities with various firms, though students may request training in specific institutions with prior supervisor approval. Student should pass 100 hrs. at least to attend this training

ARC 4614 - Integrated Urban Design Studio 2 (5 CH.)
This studio serves as the final graduation project where students are expected to apply the skills and knowledge gained throughout their academic journey. Each student will independently work on an urban project approved in the previous semester through the "Graduation Project Research" course. Students will develop and assess urban design alternatives, selecting and refining the most effective solutions to produce a detailed final layout aimed at revitalizing and enhancing the chosen urban area.

ARC 4615 - Conservation of Heritage Sites (2 CH.)
This course highlights the significance of urban heritage and provides a comprehensive overview of identification, classification, and documentation criteria for conservation. Students will learn to assess urban and environmental threats such as neglect, maintenance issues, and deterioration. The course covers principles and levels of conservation, including various restoration techniques, equipping students with the knowledge to preserve and restore valuable urban heritage effectively.

ARC 4616 - Professional Practice of Urban Design (2 CH.)
This course provides a comprehensive overview of the principles of professional urban practice in Saudi Arabia. It covers ethical standards, the Code of Conduct, and the legal frameworks governing the profession. Additionally, the course explores the planners' role and responsibilities, as well as essential professional skills such as resume preparation, portfolio development, interview techniques, and hiring processes. Students will be well-prepared for a responsible, competent, and effective career in urban design.

ARC 4617 - Urban Mobility (2 CH.)
This course examines the intricate relationship between transportation, land use, and urban form, exploring how these factors influence each other. Students will analyze how urban accessibility affects human development and learn about strategies to enhance accessibility and promote low-carbon mobility. The course also evaluates the conditions that contribute to livable neighborhoods and the effectiveness of green transportation policies in urban environments, equipping students with insights into sustainable urban design.

ARC 464# - Elective Course 3 (2 CH.)
Specified Below

ARC 4618 - Streetscape (2 CH.)
This course explores the design and development of streetscapes as essential elements of urban environments. Students will examine the role of streets in shaping public spaces, focusing on the integration of pedestrian pathways, landscaping, street furniture, and transportation infrastructure. The course emphasizes creating functional, aesthetically pleasing, and sustainable streetscapes that enhance urban life, improve mobility, and contribute to social interaction and environmental health in cities.

ARC 4619 - Graduation Project (3 CH.)
This capstone course addresses urban design challenges and solutions specific to Makkah, Madinah, and the holy sites, focusing on enhancing the visual and functional aspects of these sacred spaces. Through individual research, students will apply urban design principles to address real-world issues in these significant areas. Topics include, for instance, approaches to improve open spaces, pilgrims and Umrah performers' behavior, pedestrian accessibility, and the application of solar energy solutions in the holy sites.

5. Urban Design Electives

ARC 4621 - Temporary Urbanism (2 CH.)
This course examines the global trend of temporary and tactical urbanism, focusing on the increased use of short-term events and temporary spaces. It provides a theoretical and critical analysis of this approach, highlighting its significance in cities like Makkah al-Mukarramah, where it is prevalent during Hajj in Mina, Muzdalefah, and Arafat. The course explores how these areas can be efficiently utilized outside pilgrimage periods, addressing both opportunities and challenges.

ARC 4622 - Humanizing the Cities (2 CH.)
This course explores strategies for designing urban environments that prioritize human experience and well-being. Students will examine how to create urban areas that foster social interaction, accessibility, and comfort while addressing issues like overcrowding and environmental stress. The course covers principles of urban design that enhance livability, such as inclusive public spaces, walkability, and community engagement. Students will explore solutions that make urban areas more responsive to human needs and improve overall quality of life.

ARC 4623 - Floating Cities (2 CH.)
This course delves into the concept of floating cities, examining their history, design, construction, and sustainability. Students will explore the technical, environmental, economic, and social dimensions of creating urban habitats on water. Key topics include addressing rising sea levels, overpopulation, and challenges related to energy, water supply, waste management, and environmental impact. The course features international examples, providing a comprehensive understanding of this innovative urban design concept.

ARC 4624 - City Branding (2 CH.)
This course explores the concept of city branding, focusing on how cities can develop a distinct identity to attract residents, tourists, and investors. Students will examine the strategies used to create a cohesive urban brand through architecture, culture, history, and economic development. Topics include branding techniques, stakeholder engagement, and the role of urban design in shaping a city's image. The course also analyzes successful global city branding case studies

ARC 4631 - Advanced studies in Landscape Architecture (2 CH.)
This course delves into complex landscape architecture concepts, with a focus on sustainable design, ecological systems, and innovative techniques for large-scale projects. Students will explore advanced topics such as green infrastructure, ecological restoration, urban ecology, climate-responsive design, sustainable water management, and biodiversity in urban areas. The course also examines the relationship between landscape design and public health, energy-efficient strategies, cultural landscapes, and the use of innovative materials in landscape architecture.

ARC 4632 - Cities Centers (2 CH.)
This course explores the foundational theories of planning and developing city centers, with a focus on the challenges faced by urban centers globally and in Saudi cities. Students will examine key issues such as congestion, accessibility, and infrastructure, and study strategies to address these problems. The course covers both quantitative and qualitative survey methods, along with techniques for redeveloping and revitalizing city centers to enhance their functionality and sustainability.

ARC 4633 - Terminals Planning and Design (2 CH.)
This course focuses on the planning and design of transportation terminals, including airports, seaports, rail stations, and bus terminals. It covers key principles for designing efficient, functional, and user-friendly terminals. Students will explore topics such as space planning, passenger flow management, safety, and integration with urban infrastructure. The course also addresses strategies for optimizing terminal capacity and operations, ensuring smooth transitions between different modes of transportation.

ARC 4634 - Selected Topics in Urban Design (2 CH.)
This course offers a seminar-style exploration of specialized urban design topics, with a syllabus that evolves annually to reflect current trends and issues. Students will engage in discussions on various subjects such as the impact of human settlements on urban ecosystems, perceptual boundaries within cities, waterfront development, and restorative city concepts. The course provides an opportunity to deepen understanding and complement other urban design studies through contemporary, relevant topics.

ARC 4641 - Fundamentals of Real Estate Development (2 CH.)
This course introduces the basic principles of real estate development, focusing on the fundamental processes of planning, financing, and managing development projects. Students will explore key topics such as site selection, market analysis, project feasibility, and zoning regulations. The course covers financial modeling, risk management, and the role of developers in shaping urban environments, providing a solid foundation for understanding real estate development dynamics.

ARC 4642 - Urban Project Management (2 CH.)
This course provides students with vital skills for effective urban design project management and encourages strategic thinking. It covers two key areas: the project life cycle phases, including initiation, planning, execution, monitoring and controlling, and completion; and the essential knowledge areas of project management such as scope, time, cost, risk, and quality management.

ARC 4643 - Crowd Management (2 CH.)
This course focuses on the principles and practices of crowd management, emphasizing the organized planning and direction necessary for large gatherings, such as the Hajj pilgrimage in Makkah. Students will explore definitions, concepts, and types of crowds, alongside crowd management strategies and international examples. The course provides an in-depth look at managing the safety and security of large groups, with a special focus on the unique challenges posed during Hajj.

ARC 4644 - Multicriteria Assessment of Urban Development Projects (2 CH.)
This course introduces students to the principles and processes of multicriteria impact assessment, focusing on evaluating short and long-term environmental consequences of proposed urban projects. Students will learn how to assess impacts on natural resources, biodiversity, air and water quality, and human health. The course covers methods for mitigating negative impacts and enhancing positive outcomes.

6. Urban Planning Track

ARC 4701 - New City Urban Planning Studio (5 CH.)
This studio focuses on the planning of a new town. Students will carry out comprehensive demographic, economic, and environmental studies within the broader context. They will perform a detailed analysis of the given site, examining key factors that influence town planning. Based on their findings and exploration of planning alternatives, students will develop a strategic plan that includes land use, service distribution, and road network design, creating a sustainable and functional urban layout.

ARC 4702 - Housing Planning Studio 1 (3 CH.)
This studio introduces students to new neighborhood planning, focusing on neighborhood layout, and residential unit design. Students will analyze site conditions, including visual and environmental studies, densities, and real estate values. The project involves developing the planning concept, suggesting the neighborhood layout, and designing functional, flexible, and environmentally responsive residential units. The project includes 2-4 clusters with a population range of 3,000 to 6,000, emphasizing socio-economic and environmental aspects.

ARC 4703 - Urban Planning Information Systems (2 CH.)
This course introduces the fundamental principles of Geographic Information Systems (GIS), emphasizing its application in urban planning. Students will gain an understanding of GIS technology and its practical uses, including data entry, editing, and simple analysis. The course also covers data visualization techniques and map layout preparation, providing both theoretical knowledge and hands-on experience to support planning tasks in the profession.

ARC 4704 - Urban Planning Theories (2 CH.)
This course explores the major urban planning theories that emerged in the twentieth century and continues to influence contemporary planning practices. Students will engage with key theories such as Modernism, Garden City, Rational Planning, Advocacy Planning, and New Urbanism. The course also examines postmodern critiques and the impact of global trends on urban development. Through these frameworks, students will develop a deeper understanding of the evolution and future direction of urban planning.

ARC 472# - Elective Course 1 (2 CH.)
Specified Below

ICC4202 - The Family in Islam (2 CH.)

يقدم هذا المقرر مادة علمية تأصيلية تبين فيها أهمية الأسرة، من حيث مفهومها، ومكانتها، ومقاصد بنائها. وهدي الإسلام في حل المشكلات والتعامل معها، وكيفية تقديم دراسة تحليلية لأسرتي خليلي الرحمن، إبراهيم ومحمد عليهما الصلاة والسلام

MTH1681 - Principles of Statistics for Architects (2 CH.)
This course introduces architects to fundamental concepts and techniques in statistics, providing essential tools for data analysis and interpretation in architectural and urban practice. Focusing on descriptive statistics and basic probability theory, the course equips students with the skills to analyze data, identify trends, and make informed, evidence-based decisions.

ARC 4707 - Existing City Development Studio (5 CH.)
This studio focuses on revitalizing and redeveloping small towns, particularly within Makkah province. Students will conduct in-depth demographic, economic, and environmental studies to understand the town's current status. Through SWOT analysis, students will establish a vision and objectives for the town’s future. Based on these findings, they will develop a strategic plan addressing suggested land use, services, and road networks to promote sustainable revitalization.

ARC 4708 - Housing Planning Studio 2 (3 CH.)
This studio fosters both team and individual work while focusing on the development of housing within an existing urban context. The project begins with a comprehensive study of the current status, covering urban studies, economic activities, and demographic characteristics. The second phase involves a detailed site analysis, including environmental, visual studies and densities . In the third phase, students develop layout based on planning decisions and alternatives. In addition, they design residential units emphasizing functionality, flexibility, economic, and environmental aspects.

ARC 4709 - Integrated Urban Planning Studio 1 (2 CH.)
This course introduces students to the process of selecting and developing their graduation project in urban planning. Students will choose a project title aligned with their approach. They will compare potential locations, select the most suitable site, and analyze it. The course emphasizes the study and analysis of past experiences and case studies to extract valuable lessons. Students will also gather the necessary data for their project and submit a comprehensive report on the analyzed studies.

ARC 4710 - Advanced Urban Information Systems (2 CH.)
This course builds on the foundational GIS knowledge acquired in previous courses, enhancing students' ability to apply GIS in urban and regional planning. It introduces Global Positioning Systems (GPS), advanced spatial analysis tools, and techniques for solving spatial problems and modeling urban phenomena. Students will explore network analysis, interpolation methods for estimating spatial data, and the basics of 3D GIS, focusing on their application in planning contexts.

ARC 473# - Elective Course 2 (2 CH.)
Specified Below

ARC 4711 - Sustainable Cities (2 CH.)
This course explores the principles and strategies for designing and developing sustainable cities. Students will examine urban systems that promote environmental resilience, social equity, and economic viability. Key topics include green infrastructure, renewable energy, sustainable transportation, water and waste management, and urban biodiversity. Through case studies, students will learn how to create urban environments that balance ecological health with the needs of growing populations.

BUS1099 - Professional Development Skills (2 CH.)
يركز المقرر على تطوير مهارات الطلاب اللازمة لدخول سوق العمل بكفاءة، بما يشمل البحث عن الوظيفة، إعداد السيرة الذاتية، اجتياز المقابلات، والتخطيط المهني. كما يعزز مهارات التواصل والعمل الجماعي ويغرس القيم الأخلاقية في بيئة العمل.

ARC 4713 - Cooperative Training (6 CH.)
This course provides students with the opportunity to apply their theoretical knowledge in real-world urban planning settings. It bridges academic learning and professional practice, enhancing students' skills and career readiness. Through hands-on experience, students explore career interests within the urban planning field while adhering to the rules and regulations of the host firm. The department arranges training opportunities with various firms, though students may request training in specific institutions with prior supervisor approval. Student should pass 100 hrs. at least to attend this training

ARC 4714 - Integrated Urban Planning Studio 2 (5 CH.)
This studio is considered a graduation project. Students will continue what was achieved in the "Graduation Project Research" course. In this phase and through SWOT analysis, students will establish a vision and objectives. Based on previous findings and planning alternatives, they will develop a strategic plan addressing suggested land use, services, and road networks to promote sustainable development.

ARC 4715 - Urban Sociology and Population (2 CH.)
This course introduces urban sociology and population studies through the sociospatial perspective, examining how social factors like gender, lifestyle, economics, and culture influence metropolitan development. It offers a concise history of urban life and an overview of urban social theory, highlighting the impact of culture on urban growth. The course also covers population dynamics, including fertility, family structures, health, aging, and mortality, providing a comprehensive framework for understanding urban environments.

ARC 4716 - Professional Practice of Urban Planning (2 CH.)
This course provides a comprehensive overview of the principles of professional urban practice in Saudi Arabia. It covers ethical standards, the Code of Conduct, and the legal frameworks governing the profession. Additionally, the course explores the planners' role and responsibilities, as well as essential professional skills such as resume preparation, portfolio development, interview techniques, and hiring processes. Students will be well-prepared for a responsible, competent, and effective career in urban planning.

ARC 4717 - Planning of Urban Mobility (2 CH.)
This course explores the complexities of urban mobility, focusing on key challenges and solutions for modern cities. Topics include the state of urban passenger transport, metro, light rail, and BRT systems, and the relationship between mobility and urban form. The course also examines equitable access, environmental impacts, and the economics and financing of urban mobility. Additionally, students will study the institutional and governance frameworks that shape urban transportation systems.

ARC 474# - Elective Course 3 (2 CH.)
Specified Below

ARC 4718 - Regional Planning (2 CH.)
This course explores regional planning as a key spatial planning level in Saudi Arabia. It covers the historical evolution, definitions, and scope of regional planning, highlighting its role and contributions. Students will study methods and techniques of regional planning, including the process of regionalization, defining regions, and analyzing spatial structures. The course also compares regional planning practices with international perspectives, providing a comprehensive understanding of regional planning's role in Saudi Arabia.

ARC 4719 - Graduation Project (3 CH.)
This capstone course investigates urban planning challenges and solutions specific to Makkah, Madinah, and the holy sites, focusing on approaches within the integrated vision for Hajj, Umrah, and visit. Students will explore various planning strategies and alternatives, engaging in individual research on related topics.

7. Urban Planning Electives

ARC 4721 - Cities and Climate Change (2 CH.)
This course explores the impacts of climate change on cities, examining a range of scenarios from moderate to extreme. Students will study the consequences of these impacts on urban environments and the challenges they present. The course emphasizes urban planning policy options to mitigate and adapt to climate change, with a focus on transforming urban form to enhance resilience, reduce emissions, and improve the sustainability of city structures.

ARC 4722 - Urban Conservation and Renewal (2 CH.)
This course provides a comprehensive exploration of urban conservation processes and their role in contemporary urban regeneration. Students will study the integration of conservation with modern renewal practices, focusing on social and economic aspects. Key topics include conservation techniques, policies, and the importance of community participation in urban renewal projects. Students will gain insights into balancing preservation with urban development in the 21st century.

ARC 4723 - Urban Development in Saudi Arabia (2 CH.)
This course examines the historical evolution of urban development in Saudi Arabia, highlighting the government's role in fostering urbanization and establishing a robust physical infrastructure. Students will explore the transformative vision under Saudi Vision 2030, focusing on how cities are becoming hubs for innovative interventions and experimentation. The course provides a comprehensive understanding of both past urban growth and contemporary strategies shaping the future of Saudi cities.

ARC 4724 - Sustainable Urban Tourism (2 CH.)
This course explores the principles and practices of sustainable tourism in urban settings. It delves into the challenges and opportunities of balancing economic growth, social equity, and environmental protection in cities. Students will learn about sustainable tourism planning, marketing, and management. They will also gain insights into the role of technology, innovation, and community engagement in creating sustainable urban tourism destinations

ARC 4731 - Smart Cities (2 CH.)
This course explores the fundamentals of smart cities, focusing on how technological advancements are transforming urban life. It covers key aspects such as smart infrastructure, mobility, and buildings. Students will study current smart city projects and innovations, gaining insights into the strategies that can be used to transition existing cities into smart cities.

ARC 4732 - Technology and Urban Change (2 CH.)
This course examines the impact of technological advancements during the three Industrial Revolutions on urban development. It explores technological achievements, their social and economic effects, their influence on urban planning and systems, and industrial-age cities' challenges. Students will learn how technology reshaped cities and its relevance to modern urban development

ARC 4733 - Future Urbanism (2 CH.)
This course explores the evolving concepts of future cities in response to the growing threats facing metropolitan life. Students will investigate imagined cityscapes—submerged, floating, flying, vertical, underground, and salvaged—through the lenses of architecture, fiction, film, and visual art. The course encourages students to use imagination as a tool to bridge the gap between speculative urban visions and real-world solutions, envisioning sustainable and resilient futures for humanity in urban environments.

ARC 4734 - Selected Topics in Urban and Regional Planning (2 CH.)
This course offers a seminar-style learning environment focused on specialized topics in urban planning, tailored to senior students. The syllabus evolves yearly, reflecting contemporary issues and advancements in the field. Students will engage in in-depth discussions and research on advanced urban planning topics, complementing their prior coursework. The course encourages critical thinking, problem-solving, and the application of urban planning concepts to real-world challenges.

ARC 4741 - Urban Risk Management (2 CH.)
This course equips students with strategies and tools to identify, assess, and mitigate risks in urban settings, addressing challenges from natural disasters, technological failures, etc. It covers urban resilience, disaster risk reduction, climate adaptation, and emergency planning, with topics like hazard mapping, risk assessment, crisis communication, and governance. In addition, case studies highlight global best practices

ARC 4742 - Urban Governance (2 CH.)
This course explores the political, socio-economic, and administrative aspects of local government and city management. It introduces key management concepts, city government functions, and their interactions with higher levels of government. Emphasis is placed on aligning urban needs with residents' interests, addressing modern city management issues such as urban equality, public participation, socio-economic dynamics, and residents' sense of security. The course provides a comprehensive understanding of effective city management strategies.

ARC 4743 - Urban Economies (2 CH.)
This course delves into the strategies used by policymakers and planners to foster healthy urban economies. It covers the role of economic development specialists and explores a range of tools for urban economic development and redevelopment. Key topics include labor force issues, housing, transportation, and the impact of technology. The course also examines new strategies in urban economics and features international and Saudi case studies for practical insights.

ARC 4744 - Urban Indicators (2 CH.)
This course focuses on understanding and applying urban indicators, which measure various aspects of urban activities. Emphasizing the twenty key areas of the Habitat Agenda, the course covers shelter, social, environmental, and governance indicators at the city level. Students will learn to analyze and interpret quantitative and qualitative data, gaining insights into how urban indicators are used to assess and improve city performance in these critical areas.

5 Attachments

Committee minutes

5.1 Reviewers' Comments

نموذج تحكيم برنامج دبلوم/بكالوريوس
Evaluation Form of Undergraduate Program

Important Notes:	ملاحظات هامة:
1. Attach separate report including includes areas of strengths and improvement and recommendations	1) فضلا ارفق تقرير منفصل تذكر فيه نقاط القوة و التحسين و التوصيات للبرنامج.
2. When evaluating the following points, please consider the following:	2) عند التقويم للنقاط التالية يرجاء مراعاة ما يلي:
a) If the program receives a score above 80%, the necessary amendments can be made without resubmitting it to the reviewer.	أ) إذا حصل البرنامج على تقييم أعلى من 80%، يمكن إجراء التعديلات المطلوبة دون الحاجة للرجوع إلى المحكم مرة أخرى.
b) If the program receives a score between 50% and 80%, it will be revised and resubmitted to the reviewer to verify that the necessary amendments have been implemented.	ب) إذا حصل البرنامج على تقييم يتراوح بين 50% و80%، يتم إجراء التعديلات المطلوبة ثم إعادة البرنامج إلى المحكم للتأكد من تنفيذها.
c) If the total evaluation percentage falls below 50%, the program will be rejected and will require revisions before being resubmitted in the following year.	ج)إذا حصل البرنامج على تقييم أقل من 50%، فهذا يعد رفضًا للبرنامج، ويجب تعديله وإعادة تقديمه من قبل القسم المختص في العام المقبل.
d) If the assessment of the scientific content (Section D) falls below 30%, the program will be rejected and must be revised and resubmitted in the following year.	د) إذا حصل البرنامج في محور المحتوى العلمي (د) على تقييم أقل من 30%، فهذا يعد رفضًا للبرنامج، ويجب تعديله وإعادة تقديمه من القسم المختص في العام المقبل.

First: Program Information — أولا: بيانات البرنامج

Program Code — رمز البرنامج	Program Name — اسم البرنامج
7310402	بكالوريوس العمارة والتخطيط
Department — القسم	**College — الكلية**
العمارة	الهندسة والعمارة
Teaching Style — أسلوب الدراسة	**Offered Degree — الدرجة الممنوحة**
حضوري	بكالوريوس

Second: Reviwer's Evaluation — ثانياً: تقييم المحكم:

A. Evaluating The Program's and its Objectives — أ. تقييم حداثة البرنامج وأهدافه و حاجته في سوق العمل

No. م	Evaluation Item — بند التقييم	التقويم الرقمي Total Evaluation 100	Evaluation Result — نتيجة التقويم
1	وضوح الأهداف العامة للبرنامج و مدى توافقها مع رسالة البرنامج Clarity of the program's general objectives and their alignment with the program's mission	85	الدرجة الاجمالية لبنود تقييم حداثة البرنامج و أهدافه و حاجته في سوق العمل The overall score for the evaluation of the program's originality, objectives, and relevance to the labor market %20
2	ارتباط الأهداف باحتياجات سوق العمل و المجتمع Relevance of the objectives to labor market and societal needs	85	
3	أهداف البرنامج واقعية وقابلة للقياس Program's Objectives are Realistic and Measurable	80	
4	يحقق البرنامج متطلبات المعايير التخصصية (إن وجدت) The program meets the requirements of specialized standards (if applicable)	90	
5	تميز البرنامج عن البرامج المشابهة من حيث المخرجات التعليمية، التوافق مع احتياجات سوق العمل، والالتزام بمعايير الجودة The program stands out from similar programs in terms of learning outcomes, alignment with labor market needs, and adherence to quality standards	95	18%

B. Program Learning Outcomes — ب. تقييم نواتج البرنامج المتوقعة

13	نواتج التعلم واقعية وقابلة للقياس Learning Outcomes are Realistic and Measurable	85	الدرجة الاجمالية لمحور نواتج البرنامج Total Score of Program Learning Outcomes Axis 20%
14	نواتج التعلم المستهدفة للبرنامج تلائم سوق العمل Program Learning Outcomes are Appropriate for Professional Standards	80	
15	استراتيجيات التعليم المقترحة تحقق نواتج التعلم Suggested Teaching Strategy Achieves The Intended Learning Outcomes	90	17%

C. Program Supporting Environment — ج. تقييم البيئة الداعمة للبرنامج

17	ملاءمة خدمات الدعم والإرشاد الأكاديمي المقترحة The academic counseling and support services are appropriate	85	الدرجة الاجمالية للبيئة الداعمة للبرنامج Total Score of Program's Supporting Environment 10%
18	بيئة التعلم الموفرة بالقسم تفي باحتياجات البرنامج Learning Environment Meets the Program Requirements	85	
19	ملائمة مصادر التعلم لاستراتيجيات التعليم المقترحة The learning resources are suitable for the proposed teaching strategies	85	9%

D.* Program Scientific Content — د.* تقييم المحتوى العلمي للبرنامج

6	مسمى المقررات يتطابق مع التوصيف Course titles align accurately with their specifications	90	الدرجة الاجمالية لمحور المحتوى العلمي للبرنامج Total Score of Program's Scientific Content Axis 50%
7	محتوى المقررات العلمية يحقق الحداثة العالمية Courses' Contents Achieve the Required Modernity	90	
8	مراجع المقررات حديثة وتلائم محتوى المقررات References are up-to-date and align well with the course content	90	
9	توازن الجانب النظري والعملي في المقررات الدراسية يتناسب مع طبيعة البرنامج Balanced theoretical and practical components aligned with the program's objectives	95	
10	نواتج التعلم لكل مقرر تتناسب مع أهداف المقرر Learning Outcomes for Each Course are Appropriate to Its Objectives	85	
11	مقررات البرنامج تحقق أهداف البرنامج ومخرجات التعلم المتوقعة The program's courses achieve its objectives and intended learning outcomes	90	
12	التدريب التعاوني أو التدريب الميداني يحقق أهداف البرنامج The cooperative or field training aligns with and fulfills the program's objectives	90	45%

88%	Total Percentage — النسبة المئوية الاجمالية
Approved With Modifications — مقبول بملاحظات	Final Decision — القرار النهائي
9/3//2025	Date — التاريخ

تقرير تحكيم برنامج دبلوم/بكالوريوس

Undergraduate Program Evaluation Report

Reviewer Name:		اسم المحكم:
Affiliation:		جهة العمل:
Specialization field/subfield:		التخصص العام/الدقيق:
Nationality:		الدولة:
Email:		البريد الإلكتروني:

Program Code رمز البرنامج	Program Name اسم البرنامج
07310402	بكالوريوس العمارة والتخطيط
Department القسم	**College الكلية**
العمارة	الهندسة والعمارة
Teaching Style أسلوب الدراسة	**Offered Degree الدرجة الممنوحة**
حضوري	البكالوريوس

م	المنجزات	ملاحظات المحكم
1	يحقق البرنامج المعايير العالمية في التخصص The program fulfills international standards in its specialization	• Satisfactory
2	أهداف البرنامج و اقعية وقابلة للقياس The program's objectives are realistic and measurable	• Satisfactory
3	مدى التزام البرنامج بالمعايير التخصصية إن وجدت The program's compliance with specialized standards, if available	• Satisfactory
4	أصالة البرنامج عن البرامج المناظرة The program's originality in comparison to corresponding programs	• The program is distinguished for its focus and emphasis on the Islamic aspects of architecture and urbanism, which is manifested in the provision of several courses dedicated to building a profound foundation among students related to genuine concepts of Islamic architecture and urbanism. • The program includes courses that are normally given to graduate students (e.g. ARC3206), which prepares students and program graduates to engage in advanced tasks that expand their scope of thinking and analysis, and make them more diligent knowledge seekers, while maintaining the skills of critical thinking.
5	نو اتج التعلم المستهدفة للبرنامج تلائم سوق العمل The program's learning outcomes are appropriately aligned with professional standards	• Satisfactory • Introducing students to architectural software is one of the strength points to prepare graduates to participate effectively when hired.

• I would suggest adding (project-based learning) to the learning strategies. • As for students' performance evaluation, I would recommend adding (Jury Evaluation) to the direct assessment methods.	استراتيجيات التدريس وطرق التقييم تلائم نواتج التعلم The teaching strategies and assessment methods are appropriately aligned with the program's learning outcomes	6
• Satisfactory, but there a few comments: • ARC 4008 and ARC 4009, Integrated architectural design studio (1&2) would be more apt to their nature if they were called (Graduation Project) rather than the research project given in ARC 4208, which could be called (Graduation Research Report).	مسمى المقررات يتطابق مع التوصيف The course titles accurately reflect their specifications	7
• Satisfactory • Addressing new movements and introducing these trends early to students could be a strength of the program. For example, introducing biomimicry and biophilic design to undergraduate students allows them to grow beyond typical knowledge of sustainability.	محتوى المقررات العلمية يحقق الحداثة العالمية The course content aligns with the latest global developments	8
• Some courses, especially those relevant to studies of Islamic topics in architecture and urbanism, use outdated references. I found this acceptable due to the decrease in authorship nowadays in architecture in the Islamic and Arab world. • Supporting authorship is one way to bridge the gap in this area.	المراجع المقترحة حديثة وتلائم محتوى المقررات Proposed References are Up-to-date and Appropriate for Course Content	9
• Satisfactory, but requires monitoring by course coordinators to ensure faculty adherence to maintaining a balance between theoretical and practical aspects within the course content.	توازن الجانب النظري والعملي في المقررات الدراسية يتناسب مع طبيعة البرنامج The selected references are current and appropriately aligned with the course content	10

(The English translation of point number 10 is not accurate, it is a replication of the statement in point 9 but with different wording! I based my comment on the Arabic statement)		
• Satisfactory	نو اتج التعلم لكل مقررتتناسب مع أهداف المقرر The learning outcomes for each course are well-aligned with its objectives	11
• Satisfactory	المقررات المطروحة تحقق أهداف البرنامج ومخرجات التعلم المتوقعة The proposed courses effectively support the achievement of the program's objectives and intended learning outcomes	12
• Satisfactory	التدريب التعاوني يحقق أهداف البرنامج The cooperative training effectively fulfills the program's objectives	13
• Students counseling should include referral to the university professional counseling service (psychologists, social workers, or psychiatrists) should a student case requires such an intervention • To be more consistent, list all courses in English, for example (التفكير التصميمي، تجويد وحفظ القرآن الكريم، مقدمة في الذكاء الاصطناعي), even if they were university requirements, since the report is submitted in English. • I would recommend stating that the admission test measures students' skills and (aptitude) as well, since most of needed architectural skills are taught in the program courses. • Supporting students with disabilities to have adequate physical accessibility and required amenities in the college buildings is an advantageous quality that should be highlighted in the report.	أي ملاحظات أخرى additional comments	14

• The course called (Execution Design) does not seem to be the most appropriate identification, I would prefer using (Working Drawings) since it is the term used in the practice worldwide		

نموذج تحكيم برنامج دبلوم/بكالوريوس
Evaluation Form of Undergraduate Program

Important Notes:	ملاحظات هامة :
1. Attach separate report including includes areas of strengths and improvement and recommendations	أ) فضلا ارفاق تقرير منفصل تذكر فيه نقاط القوة و التحسين و التوصيات للبرنامج.
2. When evaluating the following points, please consider the following:	2) عند التقييم للنقاط التالية يرجاء مراعاة ما يلي:
a) If the program receives a score above 80%, the necessary amendments can be made without resubmitting it to the reviewer.	أ) إذا حصل البرنامج على تقييم أعلى من 80% ، يمكن إجراء التعديلات المطلوبة دون الحاجة للرجوع إلى المحكم مرة أخرى.
b) If the program receives a score between 50% and 80%, it will be revised and resubmitted to the reviewer to verify that the necessary amendments have been implemented.	ب) إذا حصل البرنامج على تقييم يتراوح بين 50% و80% ، يتم إجراء التعديلات المطلوبة ثم إعادة البرنامج إلى المحكم للتأكد من تنفيذها.
c) If the total evaluation percentage falls below 50%, the program will be rejected and will require revisions before being resubmitted in the following year.	ج) إذا حصل البرنامج على تقييم أقل من 50% ، فيتا يعد رفضنا للبرنامج، ويجب تعديله وإعادة تقديمه من قبل القسم المختص في العام المقبل.
d) If the assessment of the scientific content (Section D) falls below 30%, the program will be rejected and must be revised and resubmitted in the following year.	د) إذا حصل البرنامج في محور المحتوى العلمي (د) على تقييم أقل من 30% ، فيتا يعد رفضنا للبرنامج، ويجب تعديله وإعادة تقديمه من القسم المختص في العام المقبل.

First: Program Information — أولا: بيانات البرنامج

Program Code — رمز البرنامج	Program Name — اسم البرنامج
7310402	Architecture and Planning
Department — القسم	**College — الكلية**
Architecture	College of Engineering and Architecture
Teaching Style — أسلوب الدراسة	**Offered Degree — الدرجة الممنوحة**
Half-year semester	Bachelor

Second: Reviwer's Evaluation — ثانيا: تقييم المحكم

A. Evaluating The Program's and its Objectives — أ. تقييم هداثة البرنامج وأهدافه و حاجته في سوق العمل

No. — رقم	Evaluation Item — بند التقييم	Total Evaluation 100 — التقويم الإجمالي	Evaluation Result — نتيجة التقويم
1	وضوح الأهداف العامة للبرنامج و مدى توافقها مع رسالة البرنامج Clarity of the program's general objectives and their alignment with the program's mission	90	الدرجة الاجمالية لبنود تقييم هداثة البرنامج و أهدافه و حاجته في سوق العمل The overall score for the evaluation of the program's originality, objectives, and relevance to the labor market %20
2	ارتباط الأهداف باحتياجات سوق العمل و المجتمع Relevance of the objectives to labor market and societal needs	90	
3	أهداف البرنامج واقعية وقابلة للقياس Program's Objectives are Realistic and Measurable	90	
4	يحقق البرنامج متطلبات المعايير التخصصية (إن وجدت) The program meets the requirements of specialized standards (if applicable)	90	
5	تميز البرنامج عن البرامج المشابهة من حيث المخرجات التعليمية، التوافق مع احتياجات سوق العمل، والالتزام بمعايير الجودة The program stands out from similar programs in terms of learning outcomes, alignment with labor market needs, and adherence to quality standards	100	19%

B. Program Learning Outcomes — ب. تقييم نواتج البرنامج المتوقعة

13	نواتج التعلم واقعية وقابلة للقياس Learning Outcomes are Realistic and Measurable	100	الدرجة الاجمالية لمحور نواتج البرنامج Total Score of Program Learning Outcomes Axis 20%
14	نواتج التعلم المستهدفة للبرنامج تلائم سوق العمل Program Learning Outcomes are Appropriate for Professional Standards	90	
15	استراتيجيات التعليم المقترحة تحقق نواتج التعلم Suggested Teaching Strategy Achieves The Intended Learning Outcomes	90	19%

C. Program Supporting Environment — ج. تقييم البيئة الداعمة للبرنامج

17	ملاءمة خدمات الدعم والإرشاد الأكاديمي المقترحة The academic counseling and support services are appropriate	85	الدرجة الاجمالية للبيئة الداعمة للبرنامج Total Score of Program's Supporting Environment 10%
18	بيئة التعلم المتوفرة بالقسم تفي باحتياجات البرنامج Learning Environment Meets the Program Requirements	90	
19	ملاءمة مصادر التعلم لاستراتيجيات التعليم المقترحة The learning resources are suitable for the proposed teaching strategies	85	9%

D.* Program Scientific Content — د.* تقييم المحتوى العلمي للبرنامج

6	مسمى المقررات يتطابق مع التوصيف Course titles align accurately with their specifications	95	الدرجة الاجمالية لمحور المحتوى العلمي للبرنامج Total Score of Program's Scientific Content Axis 50%
7	محتوى المقررات العلمية يحقق الحداثة العلمية Courses' Contents Achieve the Required Modernity	100	
8	مراجع المقررات حديثة وتلائم محتوى المقررات References are up-to-date and align well with the course content	70	
9	توازن الجانب النظري والعملي في المقررات الدراسية يتناسب مع طبيعة البرنامج Balanced theoretical and practical components aligned with the program's objectives	90	
10	نواتج التعلم لكل مقرر تتناسب مع أهداف المقرر Learning Outcomes for Each Course are Appropriate to Its Objectives	100	
11	مقررات البرنامج تحقق أهداف البرنامج ومخرجات التعلم المتوقعة The program's courses achieve its objectives and intended learning outcomes	95	
12	التدريب التعاوني أو التدريب الميداني يحقق أهداف البرنامج The cooperative or field training aligns with and fulfills the program's objectives	100	48%

94%	Total Percentage — النسبة المئوية الاجمالية
Approved With Modifications — مقبول بملاحظات	Final Decision — القرار النهائي
	Date 10/03/2025 — التاريخ

تقرير تحكيم برنامج دبلوم/بكالوريوس

Undergraduate Program Evaluation Report

Reviewer Name:		اسم المحكم:
Affiliation:		جهة العمل:
Specialization field/subfield:		التخصص العام/الدقيق:
Nationality:		الدولة:
Email:		البريد الإلكتروني:

Program Code رمز البرنامج	Program Name اسم البرنامج
07310402	ARCHITECTURE AND PLANNING
Department القسم	**College الكلية**
ARCHITECTURE	COLLEGE OF ENGINEERING AND ARCHITECTURE
Teaching Style أسلوب الدراسة	**Offered Degree الدرجة الممنوحة**
SEMESTRIAL	BACHELOR Associate Diploma in Architecture General Intermediate Diploma in Architecture

م	المنجزات	ملاحظات المحكم
1	يحقق البرنامج المعايير العالمية في التخصص The program fulfills international standards in its specialization	نعم
2	أهداف البرنامج و اقعية وقابلة للقياس The program's objectives are realistic and measurable	نعم
3	مدى التزام البرنامج بالمعايير التخصصية إن وجدت The program's compliance with specialized standards, if available	التزم البرنامج بالمعايير التخصصية مع وجودملاحظات حول المقرارات الخاصة بالتصميم الداخلي (غيركافية) خاصة ان البرنامج يعلن تهيئة خريجين للعمل كمصمم داخلي
4	أصالة البرنامج عن البرامج المناظرة The program's originality in comparison to corresponding programs	يتميز البرنامج عن نظرائه: - باستحداث درجات دبلوم في العمارة تمنح بعد استكمال عدد من الساعات المحددةفي الخطة ضمن المسار المعماري - طيف واسع ومتنوع من المقررات الإختيارية التخصصية في كافة المسارات
5	نو اتج التعلم المستهدفة للبرنامج تلائم سوق العمل The program's learning outcomes are appropriately aligned with professional standards	نعم
6	استر اتيجيات التدريس وطرق التقييم تلائم نو اتج التعلم The teaching strategies and assessment methods are appropriately aligned with the program's learning outcomes	نعم
7	مسمى المقررات يتطابق مع التوصيف The course titles accurately reflect their specifications	نعم إلا أنه لوحظ تغيير في مسمى بعض المقررات النظرية ومثال على ذلك (تاريخ ونظريات العمارة) فياحبذا لو تعاد لمسمياتها التقليديةالمعروفة
8	محتوى المقررات العلمية يحقق الحداثة العالمية The course content aligns with the latest	نعم

	global developments	
9	المراجع المقترحة حديثة وتلائم محتوى المقررات Proposed References are Up-to-date and Appropriate for Course Content	فقط 70% من المراجع يمكن أعتبارها حديثة لابد من تحديث النسبة المتبقية من المراجع
10	توازن الجانب النظري والعملي في المقررات الدراسية يتناسب مع طبيعة البرنامج The selected references are current and appropriately aligned with the course content	نعم في مجملها باستثناء التصميم الداخلي
11	نو اتج التعلم لكل مقررتتناسب مع أهداف المقرر The learning outcomes for each course are well-aligned with its objectives	نعم
12	المقررات المطروحة تحقق أهداف البرنامج ومخرجات التعلم المتوقعة The proposed courses effectively support the achievement of the program's objectives and intended learning outcomes	نعم في مجملها باستثناء مقررات التصميم الداخلي
13	التدريب التعاوني يحقق أهداف البرنامج The cooperative training effectively fulfills the program's objectives	نعم
14	أي ملاحظات أخرى additional comments	لايوجد

5.2 Response

to the Reviewers' Comments

جامعة أم القرى
UMM AL-QURA UNIVERSITY

تقرير الرد على ملاحظات المحكمين لبرامج البكالوريوس

(ضمن مشروع التحول لنظام الفصلين)

معلومات البرنامج			
اسم البرنامج	العمارة والتخطيط	الكلية	الهندسة والعمارة
تقرير الرد على المحكم الأول			
النسبة التي حصل عليها البرنامج حسب تقييم المحكم		٨٨ %	
م	الملاحظة	رد البرنامج	الإجراء المتخذ
1	I would suggest adding (project-based learning) to the learning strategies. As for students' performance evaluation, I would recommend adding (Jury Evaluation) to the direct assessment methods.	No comment	Adding (project-based learning) to the learning strategies. Adding (Jury Evaluation) to the direct assessment methods.
2	ARC 4008 and ARC 4009, Integrated Architectural Design Studio (1&2), would better reflect their nature if they were named "Graduation Project" rather than the research project in ARC 4208, which could instead be called "Graduation Research Report.	The title of the graduation project course at Umm Al-Qura University has a special nature, as it only has three hours, across all colleges. This does not apply to the Integrated Architectural Design Studio.	No changes will be made
3	Addressing new movements and introducing these trends early to students could be a strength of the program. For example, introducing biomimicry and biophilic design to undergraduate students allows	These new movements could be integrated into the "20th Century and Contemporary Architecture" course.	Modification of the content of the mentioned course.

		them to grow beyond typical knowledge of sustainability.	
Reviewing and updating the references where possible.	Every effort has been made to update the references as much as possible. However, some fundamental (primary) references date back to earlier periods due to the lack of newer editions. Nevertheless, they remain recognized and authoritative sources in the field.	Some courses, particularly those related to Islamic topics in architecture and urbanism, rely on outdated references. This is understandable given the decline in authorship on architecture in the Islamic and Arab world in recent years.	4
Could be added as a note in the program specification.	No comment	Balance between theories and practical courses is satisfactory, but it requires monitoring by course coordinators to ensure faculty compliance in maintaining a balance between theoretical and practical aspects within the course content.	5
All course titles will be converted to English once we receive them from the Deanship of Development and Quality.	No comment	To ensure consistency, list all courses in English, such as تجويد القرآن الكريم حفظ القرآن الكريم ختم القرآن الكريم , even if they are university requirements, since the report is submitted in English.	6
Adding this valuable comment to the program specification.	No Comment	I would recommend stating that the admission test measures students' skills and aptitude as well, since most of the necessary architectural skills are taught in the program courses.	7
Adding this valuable comment to the program specification.	No Comment	Supporting students with disabilities by ensuring adequate physical accessibility and necessary amenities in college buildings is an advantageous	8

	quality that should be highlighted in the report.		
9	The course titled "Execution Design" does not appear to be the most appropriate designation. I recommend using "Working Drawings" instead, as it is the term commonly used in professional practice worldwide.	No Comment	"Execution Design Studio 1" and "Execution Design Studio 2" will be revised to "Working Drawing Studio 1" and "Working Drawing Studio 2" respectively.

تقرير الرد على المحكم الثاني	
النسبة التي حصل عليها البرنامج حسب تقييم المحكم	٩٤ %

م	الملاحظة	رد البرنامج	الإجراء المتخذ
١	التزم البرنامج بالمعايير التخصصية مع وجود ملاحظات حول المقررات الخاصة بالتصميم الداخلي (غير كافية) خاصة أن البرنامج يعلن تهيئة خريجين للعمل كمصمم داخلي	لا يوجد بالمعايير التخصصية Key Learning Outcomes for Architecture Programs,2023 أي ذكر لأي مقرر معني بالتصميم الداخلي	حذف التصميم الداخلي من مجالات العمل في توصيف البرنامج
٢	لوحظ تغيير في مسمى بعض المقررات النظرية، ومثال على ذلك (تاريخ ونظريات العمارة)، فياحبذا لو تعاد لمسمياتها التقليدية المعروفة.	تم تحديد مسمى المقرر بما يدل على المحتوى الذي يتم تدريسه، مثل مقرر عمارة القرون الوسطى وعصر النهضة، ومقرر عمارة الحضارة الإسلامية، بدلا من تاريخ العمارة ١ ، أو تاريخ العمارة ٢	لا يتم تغيير أسماء المقررات وخاصة أن المحكم لم يشترط هذا التغيير، بل قدمه كاقتراح
٣	فقط ٧٠٪ من المراجع يمكن اعتبارها حديثة لابد من تحديث النسبة المتبقية من المراجع	تم الحرص على تحديث المراجع قدر الإمكان، ولكن بعض المراجع الأساسية (الأم) تعود إلى تواريخ قديمة نظرًا لعدم توفر إصدارات حديثة لها، حيث لا تزال تُعد مصادر معتمدة ومرجعية في المجال	تحديث المراجع المتاح تحديثها

٤	التوازن بين النظري والعملي يتوافق مع طبيعة البرنامج باستثناء التصميم الداخلي	لا يوجد بالمعايير التخصصية Key Learning Outcomes for Architecture Programs,2023 أي ذكر لأي مقرر معني بالتصميم الداخلي	حذف التصميم الداخلي من مجالات العمل في توصيف البرنامج
٥	المقررات المطروحة تحقق أهداف البرنامج باستثناء التصميم الداخلي	لا يوجد بالمعايير التخصصية Key Learning Outcomes for Architecture Programs,2023 أي ذكر لأي مقرر معني بالتصميم الداخلي	حذف التصميم الداخلي من مجالات العمل في توصيف البرنامج

- يُرفق هذه التقرير مع محضر اجتماع لجنة إعداد البرنامج واجتماع لجنة المناهج بالقسم/الكلية

ARCHITECTURE AND
PLANNING PROGRAM