



جامعة أم القرى
UMM AL-QURA UNIVERSITY

College of
Engineering and Architecture

Department of
Architecture

Undergraduate Program **Evaluation Report**



Undergraduate Program
Evaluation Report



First Reviewer



تقرير تحكيم برنامج دبلوم/بكالوريوس Undergraduate Program Evaluation Report

Reviewer Name:	Dr. Muhammed Fikri M.	اسم المحكم:
Affiliation:	Effat University	جهة العمل:
Specialization field/subfield:	Architecture/ Planning	التخصص العام/الدقيق:
Nationality:	KSA	الدولة:
Email:	mfekry@effatuniversity.edu.sa	البريد الإلكتروني:

Program Code	رمز البرنامج	Program Name	اسم البرنامج
ARC		Architecture and Planning	
Department	القسم	College	الكلية
Architecture		Engineering and Architecture	
Teaching Style	أسلوب الدراسة	Offered Degree	الدرجة الممنوحة
In Person		Bachelor	

يحقّق البرنامج المعايير العالمية في التخصص

The Program Fulfil International Standards in its Specialization

.....Yes, to a great extent

Benchmarking should be expanded to more broader scope of international Universities not only to some universities from one single country

أهداف البرنامج واقعية وقابلة للقياس

Program's Objectives are Realistic and Measurable

.....Yes, to a great extent

مؤشرات الأداء للبرنامج تحقق معايير الجودة

Program Performance Indicators Meet Quality Standards

.....Yes, to a great extent

أصالة البرنامج عن البرامج المناظرة

Program Originality in comparison to Corresponding Programs

..... Yes, to some extent.....

The program reflects huge similarity to other equivalent programs, which is normally acceptable. But I think each program should clearly define a special character that gives more competency for its graduates.

مخرجات التعلم المستهدفة للبرنامج تلائم سوق العمل

Program Learning Outcomes are Appropriate for Professional Standards

.....Yes, to a great extent

استراتيجيات التدريس وطرق التقييم تلائم مخرجات التعلم
Teaching strategies and methods of evaluation are appropriate to Program Learning Outcomes

.....Yes, to a great extent

.....

.....

.....

مسمى المقررات يتطابق مع التوصيف
Courses' Titles Match their Description

.....Yes, to a great extent

.....

.....

محتوى المقررات العلمية يحقق الحداثة العالمية
Courses' Contents Achieve the Required Modernity

..... Yes to some extent.....

Some courses such as (Building construction courses, Building Codes, Economics, Urban Mobility, Spatial Analysis courses, ...) needs to be linked more to the contemporary and futuristic trends)

.....

المراجع المقترحة حديثة وتلائم محتوى المقررات

Proposed References are Up-to-date and Appropriate for Course Content

.....It's advised not to have references prior to 2017

.....
.....

توازن الجانب النظري والعملي في المقررات الدراسية يتناسب مع طبيعة البرنامج

Balance Between Theoretical and Practical Components of courses is Program Specific Field

.....Yes, to a great extent

.....
.....

نواتج التعلم لكل مقرر تتناسب مع أهداف المقرر

Learning Outcomes for Each Course are Appropriate to Its Objectives

.....Yes, to a great extent

.....
.....

المقررات المطروحة تحقق أهداف البرنامج ومخرجات التعلم المتوقعة

Proposed Courses Achieves Program Objectives and Its Intended Learning Outcomes

.....Yes, to a great extent

.....
.....

التدريب التعاوني يحقق أهداف البرنامج

The Co-Op training Fulfills program Objectives

.....Yes, to a great extent

.....
.....

أي ملاحظات أخرى

Any Other Comments

.....

Second Reviewer




نموذج الإقرار النهائي لتحكيم البرنامج
Undergraduate Program
Final Approval Form

Program Name اسم البرنامج	
Architecture and Planning	
Department القسم	College الكلية
Architecture	Engineering and Architecture
Teaching Style أسلوب الدراسة	Degree Offered الدرجة الممنوحة
_____	Bachelor

Decision

Having reviewed the [Architecture and Planning] program and verified its compliance with your established academic standards for student admission, I hereby inform you of its final acceptance

Reviewer Name	Dr.Muhammad Fikri M.	اسم المحكم
Affiliation:	Effat University	جهة العمل:
Specialization field/subfield:	Architecture/ Planning	التخصص العام/الدقيق:
Email:	mfekry@effatuniversity.edu.sa	البريد الإلكتروني:
Signature:		التوقيع:
Date:	30-05-2022	التاريخ:



تقرير تحكيم برنامج دبلوم/بكالوريوس Undergraduate Program Evaluation Report

Reviewer Name:	Dr. Abdulrahman K. Yusef	اسم المحكم:
Affiliation:	Taibah University	جهة العمل:
Specialization field/subfield:	Construction Engineering and Management	التخصص العام/الدقيق:
Nationality:	Saudi Arabia	الدولة:
Email:	ayusef@taibahu.edu.sa	البريد الإلكتروني:

Program Code	رمز البرنامج	Program Name	اسم البرنامج
ARC		Bachelor of Architecture and Planning	
Department	القسم	College	الكلية
Islamic Architecture		College of Engineering and Islamic Architecture	
Teaching Style	أسلوب الدراسة	Offered Degree	الدرجة الممنوحة
In person		Bachelor	

يحقّق البرنامج المعايير العالمية في التخصص

The Program Fulfil International Standards in its Specialization

Yes. The program developers surveyed faculty members, students, alumni, employers (architectural, urban design and urban planning firms, some relevant government, and private-sector institutions, etc..) to establish the academy and the profession trust for the broader society and the public good. The program also is built on both on educational outcomes and institutional commitment to continuous improvement. Moreover, the program has the potential to prepare students to think critically, make informed decisions, to communicate effectively, to engage in life-long learning, and to exercise the knowledge and skills required to work and develop as professionals in the built environment field.

أهداف البرنامج واقعية وقابلة للقياس

Program's Objectives are Realistic and Measurable

Overall, yes, they are realistic and measurables. However, the following comments could improve their practicality and measurability.

1. PEO_1 needs adjustment in order to include more program-specific language. Here are some suggested phrases that would make this PEO more measurable and attainable:

.....professional roles in architecture, urban planning and design and by offering sound knowledge in design theories and applications, building technology, social, cultural, environmental, and information technology.

2. PEO_4 could also include the following phrases that support the lifelong learning skills:

....including critical thinking, leadership, interpersonal skills, communication, and presentation.

مؤشرات الأداء للبرنامج تحقق معايير الجودة

Program Performance Indicators Meet Quality Standards

The Key Performance Indicators (KPIs) for this program are comprehensive, quantifiable, and measurable. And if implemented as planned, they will allow the department to examine performance over time for the specified program objective. The KPIs stated in the program specification will provide targets for the department to shoot for, milestones to gauge progress, and insights that help the department to make better decisions. Granted that the department will take action after measuring and interpreting results.

أصالة البرنامج عن البرامج المناظرة

Program Originality in comparison to Corresponding Programs

What makes this program original is, first, the emphasis on Islamic Architecture that is witnessed in the program's vision, mission, and educational outcomes (PEO_4) is original and is in alignment with the overall Umm Al-Qura (UQU) vision and mission. This point is well-defined in the program's Mission as follows:

“As a program within the Umm Al-Qura University in Saudi Arabia, our principles are critically informed by the ethical, religious, philosophical, and societal potentialities of our discipline. Specifically, this translates into the study of the three relationships at the heart of all human habitation: our relationship with others (Social dimension), our relationship with the environment (sustainable dimension), and our relationship with Allah (religious dimension).”

This unique character is witnessed in the department's offering of courses such: ARC 214 - Architecture of Islamic Civilization; ARC 237 - Vocabulary of Islamic Architecture; ARC 238 - Contemporary Mosques Architecture; ARC 239 - Architecture of the Two Holy Mosques; ARC 329 - Urban topics in Hajj and Umrah;

Second, its three major tracks: 1. Architecture; 2. Urban Design; and 3. Urban Planning. The student's option to concentrate in concentration in one of these pathways will definitely make this program unique.

مخرجات التعلم المستهدفة للبرنامج تلائم سوق العمل

Program Learning Outcomes are Appropriate for Professional Standards

General, yes, with one exception. The Program learning Outcomes needs to address this important comment:

Safety is not mentioned once in the Knowledge and Understanding, Skills, and Values categories of the PLOs. And this is **unacceptable** for a program focused on the built environment. Thus, the reviewer highly recommends that safety focused PLOs should be added to each category of the PLOs and applied to the majority of courses. This point is particularly significant when the program seeks international accreditation. According to the National Architecture Accreditation Board (NAAB) and NAAB International, a program must demonstrate how it addresses the following criteria through program curricula and other experiences, with an emphasis on the articulation of learning objectives and assessment.:

“SC.1 Health, Safety, and Welfare in the Built Environment—How the program ensures that students understand the impact of the built environment on human health, safety, and welfare at multiple scales, from buildings to cities.”

استراتيجيات التدريس وطرق التقييم تلائم مخرجات التعلم

Teaching strategies and methods of evaluation are appropriate to Program Learning Outcomes

Teaching strategies and methods in the course specifications, and program specifications indicate that courses offered convey the learning outcomes. As this new program is planned and introduced, it must continue to be monitored for consistency with the learning objectives. Moreover, the department has sufficient processes in place to provide supervision of quality of teaching strategies and methods.

The course specifications include a variety of teaching and learning methodologies intended to develop the many learning outcomes. Monitoring the effectiveness of these strategies in future student cohorts will identify weaknesses and suggest needed changes. Teaching staff must be appropriately qualified and experienced for their particular teaching responsibilities, use teaching strategies suitable for different kinds of learning outcomes, and participate in activities to improve their teaching effectiveness. Additional attention is needed to ensure that new faculty continues to receive orientation and support.

مسمى المقررات يتطابق مع التوصيف

Courses' Titles Match their Description

Yes, the course titles and numbers are properly aligned with the courses' descriptions. The course descriptions provide brief and insightful summaries of the significant learning scopes for the courses. The course descriptions are consistent in the Program Specifications and the individual course specifications.

However, the reviewer strongly recommends that the following tabulated courses must be taught by experts in their respective fields:

#	Course Number and Title	Recommended Teaching Department/Experts Field
1	ARC 314 - Structure Systems in Architecture	Civil Engineering
2	ARC 316 - Reinforced Concrete Design	Civil Engineering
3	ARC 434 - Mega Structures	Civil Engineering
4	ARC 524 - Resilient design	Civil Engineering
5	ARC 464 - Roads Design	Civil Engineering
6	ARC 546 - Traffic Engineering	Civil Engineering
7	ARC 469 - Terminals Planning and Design	Civil Engineering
8	ARC 492 - Computer Applied Statistics	Math/Statistics
9	ARC 576 - Transportation and Traffic Analysis	Civil Engineering
10	ARC 598 - Advanced Topics in Transportation Planning	Civil Engineering

محتوى المقررات العلمية يحقق الحداثة العالمية

Courses' Contents Achieve the Required Modernity

Yes, the program offers a unique combination of classic Islamic and historic characteristics with modern architecture, urban planning, urban design theories and applications.

المراجع المقترحة حديثة وتلائم محتوى المقررات

Proposed References are Up-to-date and Appropriate for Course Content

Generally, yes, with the following tabulated exceptions:

#	Course Number and Title	Learning Resources	Reviewer's Comments
1	ARC 226: Structural Analysis.	1. Hibbeler, R. (2012). Statics. Pearson Education. 2. Hibbeler, R. (2016). Mechanics of Materials. Pearson Education.	Based on the course's learning resources and content, this is not a Structural Analysis course. It should be retitled "Statics and Mechanics of Materials" The course content and topics doesn't seem to implement the second textbook. As topics related to Mechanics of Materials include: Stress, Strain, Mechanical Properties of Materials, Internal Loadings, etc.
2	ARC 225 - Environmental control Systems	1. Olgyay, V. (1992). Design with Climate: Bioclimatic Approach to the Architectural Regionalism, Willy. 2. Koenigsberger, O. (2005). Manual of Tropical Housing and Building Design with Climate. Longman.	The first textbook should be replaced with a newer edition or book as this topic has new challenges due to global warming and other significant factors that has changed dramatically in the last 20 years.
3	ARC 315 - Principles of Urban Planning	1. Mumford, L. (1972). The City in History. Mariner Books. 2. Carl Abbott. (2020). City Planning: A Very Short Introduction. Oxford University Press.	The first textbook should be replaced with a newer edition or book to capture newer challenges in the field of urban planning.
4	ARC 314 - Structure Systems in Architecture	<u>NOT LISTED</u>	The course specification for Level 7 <u>does not</u> provide any information on this course.
5	ARC 431 - Execution Design Studio of Blow-Ups Detailing	1. Dawson, S. (1997). Architect's working details. Emap Architecture. 2. Dickinson, D. (1997). Expressive details. McGraw-Hill.	The two textbooks should be replaced with more recent editions or books to capture newer challenges in the field of Blow-ups detailing.

توازن الجانب النظري والعملي في المقررات الدراسية يتناسب مع طبيعة البرنامج

Balance Between Theoretical and Practical Components of courses is Program Specific Field

Yes, the program strikes a sufficient balance between theoretical and practical components in the field of the built environment. The program's practical knowledge observed in studio sources in particular can lead to a deeper understanding of architecture and urban planning and design concepts. Theoretical learning in theory courses which teaches the reasoning, techniques, and theory of knowledge in the program is suitable to modern real life built environment challenges and situations.

نواتج التعلم لكل مقرر تتناسب مع أهداف المقرر

Learning Outcomes for Each Course are Appropriate to Its Objectives

Yes, they are appropriate. On the other hand, safety is not mentioned once in the Knowledge and Understanding, Skills, and Values categories of the PLOs. And this is **unacceptable** for a program focused on the built environment. Thus, the reviewer highly recommends that safety focused PLOs should be added to each category of the PLOs and applied to the majority of courses. This point is particularly significant when the program seeks international accreditation. According to the National Architecture Accreditation Board (NAAB) and NAAB International, a program must demonstrate how it addresses the following criteria through program curricula and other experiences, with an emphasis on the articulation of learning objectives and assessment.:

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المقررات المطروحة تحقق أهداف البرنامج ومخرجات التعلم المتوقعة

Proposed Courses Achieves Program Objectives and Its Intended Learning Outcomes

Generally, yes. However, the reviewer noticed that the program only offers three English courses. And based on local benchmarking, the department should earnestly consider adding at least two more English language courses, especially one that focuses on technical writing. This would improve the students' comprehension in classes, professional presentation skills, courses research, and writing technical reports that meet the academic and practical standards.

التدريب التعاوني يحقق أهداف البرنامج

The Co-Op training Fulfills program Objectives

Yes, it does. However, the reviewer has the following two comments to improve the Co-Op training:

1. A focus on safety is a must in the student's Co-Op experience. And a new PLO should be added to each category of the PLOs and applied to this course. This point should also be communicated to the entities that students will join for the Co-Op so that they could plan and implement safety training and procedures as it's a very common practice in every built environment entity.
2. Based on benchmarking with other accredited built environment programs, the final English course that the students take must be a prerequisite to the Co-Op course. This would entail that the student has the required skills to communicate and draft professional training reports.

أي ملاحظات أخرى

Any Other Comments

1. The department does not a curriculum flowchart. A flowchart is a necessary tool to show the reviewer and program stakeholders the relationship among courses, the timeline of class offerings, prerequisites, corequisites, and other important information.
2. In the Program Identification and General Information section, the Reasons for Establishing the Program should include more details. Please elaborate in a paragraph format on the "Economic, social, cultural, and technological reasons, and national needs and development, etc." And give more reasoning and justifications that align with the Saudi Vision 2030 and the college vision and mission.
3. In the Professional Occupations/Jobs sections, the "Project Engineer" job should be removed or adjusted to "Project Manager," since the program does not graduate engineers.
4. On the Program Specifications, the following underlined word should be added for grammatical purposes: "PEO_4: Be interested in lifelong learning skills and awareness of professional ethics that **are** compatible with environmental factors and community ethics and Islamic values."



نموذج الإقرار النهائي لتحكيم البرنامج

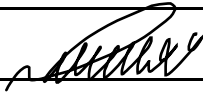
Undergraduate Program

Final Approval Form

Program Name		اسم البرنامج
Bachelor of Architecture and Planning		
Department	القسم	الكلية
Islamic Architecture		College of Engineering and Islamic Architecture
Teaching Style	أسلوب الدراسة	الدرجة الممنوحة
In person		Bachelor

Decision

Having reviewed the [Architecture and Planning] program and verified its compliance with your established academic standards for student admission, I hereby inform you of its final acceptance

Reviewer Name:	Dr. Abdulrahman K. Yussef	اسم المحكم:
Affiliation:	Taibah University	جهة العمل:
Specialization field/subfield:	Construction Engineering and Management	التخصص العام/الدقيق:
Email:	ayussef@taibahu.edu.sa	البريد الإلكتروني:
Signature:		التوقيع:
Date:	26/5/2022	التاريخ:

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College of
Engineering and Architecture

Department of
Architecture