



Course Specification

(Bachelor)

Course Title: Architectural drawing studio

Course Code: APAR01

Program: Architectural Engineering Technology

Department: Not Available

College: Applied College

Institution: Umm Al-Qura University

Version: 1

Last Revision Date: Pick Revision Date.

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A. General information about the course:

1. Course Identification

1. Credit hours: (5)

2. Course type

- A. ☐ University ☐ College ☒ Department ☐ Track ☐ Others
- B. ☒ Required ☐ Elective

3. Level/year at which this course is offered: (1st year 1st semester)

4. Course General Description:

Students will learn the fundamentals of architectural drafting including types of lines, technical terms and vocabularies. They will be introduced to architectural drafting conventions while creating multi-view and single-view drawings. Also, students will learn the architectural representation and indications for materials, building components, objects, and space

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

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

7. Course Main Objective(s):

1. Learn fundamentals of architectural drafting including types of lines including major line, secondary line, solid line, hidden line, dashed line, dotted line, etc.).
2. Can distinguish between different architectural indications for building components (walls, doors, windows, columns, stairs, slab etc.), materials (concrete, glass, wood, steel, reinforced concrete), and understand their meaning.
3. Learn how to draft the different architectural views including, floor plan, section, elevation and the drawing scale 1/100, 1/50, and 1/200.
4. Be able to read architectural drawings in a given project.
5. Be able to apply all the previous knowledge in architectural drawings in a given project.

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	10	100%
2	E-learning		
3	Hybrid <ul style="list-style-type: none"> • Traditional classroom • E-learning 		
4	Distance learning		



3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	Lectures	
2.	Laboratory/Studio	10x14
3.	Field	
4.	Tutorial	
5.	Others (specify)	
Total		140

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

Code	Course Learning Outcomes	Code of PLOs aligned with the program	Teaching Strategies	Assessment Methods
1.0	Knowledge and understanding			
1.1	Describe the architectural drawings and the terms related to it.	K1	Lecture Examples, drawings	Quizzes, sheets, exams, final project
1.2	Shows understanding of implementations of the types of architectural lines, indications, and symbols.	K1	Lecture Examples, drawings	Quizzes, sheets, exams, final project
1.3	Demonstrate knowledge of architectural plans, section, elevation, and scale.	K3	Lecture Examples, drawings	Quizzes, sheets, exams, final project
1.4	Implement the technical drawings and indications for electrical work, fire work, and plumbing work.	K3	Lecture Examples, drawings	Quizzes, sheets, exams, final project
2.0	Skills			
2.1	Implement architectural types of lines, indications, and symbols.	S2	Lecture Examples, drawings	Quizzes, sheets, exams, final project
2.2	Draws floor plans, sections, and elevations.	S3	Lecture Examples, drawings	Quizzes, sheets, exams, final project
2.3	Draws and indications for electrical work, fire work, and plumbing work.	S3	Lecture Examples, drawings	Quizzes, sheets, exams, final project
2.4	Draws architectural drawings to different scales.	S3	Lecture Examples, drawings	Quizzes, sheets, exams, final project
3.0	Values, autonomy, and responsibility			
3.1	Work independently and collaboratively to implement, evaluate and criticize problems related to architectural drawings.	V2	Lecture Examples, drawings	Quizzes, sheets, exams, final project



Code	Course Learning Outcomes	Code of PLOs aligned with the program	Teaching Strategies	Assessment Methods
3.2	Use appropriate representational media (traditional and digital) technology skills to formulate a comprehensive architectural project in field of work/ profession.	V2	Lecture Examples, drawings	Quizzes, sheets, exams, final project
3.3	Demonstrate awareness of and sensitivity to visual, auditory, and tactile effects.	V5	Lecture Examples, drawings	Quizzes, sheets, exams, final project
3.4	Reflect a deep sense of leadership and responsibility in class.	V5	Lecture Examples, drawings	Quizzes, sheets, exams, final project
3.5	Demonstrate mental and physical coordination to create and develop design solutions.	V5	Lecture Examples, drawings	Quizzes, sheets, exams, final project

C. Course Content

No	List of Topics	Contact Hours
1.	Introduction	10
2.	Types of architectural lines	10
3.	Engineering projection	10
4.	Architectural indications for materials and building components	10
5.	Floor plans	30
6.	layout	10
7.	Building components (doors, windows, walls, columns, slabs, axis).	10
8.	Sections	20
9.	Elevations	20
10.	Architectural presentation	10
Total		140

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	sheets	Every section	40%
2.	Midterm exam	7th week	10%



No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
3.	quizzes	3,5,9 (week)	10%
4.	Final project	15	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	Architectural drafting & design. (2001). Delmar.
Supportive References	
Electronic Materials	<ul style="list-style-type: none"> • محمد عبد الله "الدكتور"، أنشاء مباني، تكنولوجيا البناء، مكتبة الأنجلو المصرية، 2002م. • محمد عبد الله "الدكتور"، الرسوم التنفيذية والتفاصيل المعمارية، مكتبة الأنجلو المصرية، 1997م. • محمد حماد "الدكتور"، تكنولوجيا الرسم المعماري والإخراج، 1995م. • كولن سيونز، ودينيس ماجوير. مؤلفان "الدليل العلمي للرسم الهندسي طبقا للمعايير الإنجليزية والعالمية، دار الفاروق، 2010م. <p>Jack Strand Foster and Roger Greeno, Structure and fabric part 1, Pearson Education Limits 2007.</p>
Other Learning Materials	<ul style="list-style-type: none"> • Interior Detail; Commerce II, Arch world. Co., Ltd Korai, 2007. <p>A vocabulary of Architectural forms concept source book.</p>

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	(Classrooms, laboratories, demonstration rooms/labs, etc.) Class room (studio)
Technology equipment (projector, smart board, software)	software Data show
Other equipment (depending on the nature of the specialty)	Computer Lab - Graphic Lab – Drawing Lab

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	Students	Questioner of course quality
Effectiveness of Students assessment	Peer reviewers	Random grading report Test Completion report for test Standards



Assessment Areas/Issues	Assessor	Assessment Methods
Quality of learning resources	Students	E-Survey of sufficiency of learning resources
The extent to which CLOs have been achieved	Program leaders	Results of quizzes, mid-term and final exams- Presentation and discussion.
Other		

Assessors (Students, Faculty, Program Leaders, Peer Reviewers, Others (specify))

Assessment Methods (Direct, Indirect)

G. Specification Approval

COUNCIL /COMMITTEE	Umm Al-Qura University Council
REFERENCE NO.	851141114462/190372
DATE	22/11/1446 هـ

