



Course Specification

(Bachelor)

Course Title: design processes and methods

Course Code: APAR14

Program: Architectural Engineering Technology

Department: NOT AVAILABLE

College: Applied College

Institution: Umm Al-Qura University

Version: 1

Last Revision Date: Pick Revision Date.

Table of Contents

A. General information about the course:	3
B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods	4
C. Course Content	4
D. Students Assessment Activities	5
E. Learning Resources and Facilities	5
F. Assessment of Course Quality	6
G. Specification Approval	6



A. General information about the course:

1. Course Identification

1. Credit hours: (2)

2. Course type

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

3. Level/year at which this course is offered: (1st year 2nd semester)

4. Course General Description:

the course includes architecture design methodology, identifying the design problem, the factors affecting the design process, evaluation criteria for the architectural projects and how to deal with form and space to make a concept.

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

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

7. Course Main Objective(s):

course aims to teach the architecture design methodology, identifying the design problem, the factors affecting the design process, evaluation criteria for the architectural projects and how to deal with form and space to make a concept.

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	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	2x14
2.	Laboratory/Studio	





3.	Field	
4.	Tutorial	
5.	Others (specify)	
Total		28

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	Identify Design process	K1	- Lecture - Presentation	- Short quiz - written exam
1.2	Outline different types of design methods	K3	- Lecture - Presentation	- Short quiz - written exam
1.3	Classify Skills of site analysis, concept, form	K3	- Lecture - Presentation	- Short quiz - written exam
2.0	Skills			
2.1	Apply knowledge of design process appropriate to the discipline.	S1	- Lecture - Presentation	- Short quiz - written exam
2.2	Apply knowledge of design methodology appropriate to the discipline.	S3	- Lecture - Presentation	- Short quiz - written exam
2.3	Analyzing the problem, then identify and define the suitable type of design process appropriate to the building.	S4	- Lecture - Presentation	- Short quiz - written exam
3.0	Values, autonomy, and responsibility			
3.1	Work cooperatively in a small group environment.	V2	- Presentation	- Short quiz - written exam
3.2	Keep pace with advanced knowledge in the field of the design process.	V5	- Presentation	- Short quiz - written exam

C. Course Content

No	List of Topics	Contact Hours
1.	introduction	2
2.	Design process.	2
3.	site analysis	2
4.	spatial analysis	4
5.	project program	4
6.	modules	4





7.	Architecture project concept	2
8.	form and masses	4
9.	spaces relationship	2
10.	project evaluation	2
Total		28

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Quiz 1	3	10%
2.	Midterm exam	7th week	10%
3.	Research report	9	20%
4.	Final written exam	16	60%

*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.D.K.(2007)- architecture form, space, and order- John Wiley& sons, inc., Hoboken, New Jersey- third edition. Abou Ouf T., (2015)- Site analysis – sky for book publisher – Cairo – Egypt - first edition. Abou Ouf T., (2015)- design concept - sky for book publisher – Cairo – Egypt - first edition.
Supportive References	
Electronic Materials	Websites on the internet that are relevant to the topics of the course.
Other Learning Materials	

2. Required Facilities and equipment

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



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
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

