



**DEPARTMENT OF ARCHITECTURE ENGINEERING
ARCHITECTURE ENGINEERING PROGRAM, BSC.**

Course Syllabus

1. Course number and name

AR312 Architectural Design IV

2. Credits and contact hours

(1+6) 4 credit hours, 7 contact hours

3. Course type

Face to Face Course

4. Instructor's or course coordinator's name

Dr. Rania Aburamadan -Coordinator

Dr. Duaa Al Maani

Arch.Ala Gammoh

5. Textbook information

a. General references:

1. Edward T.White ,1991, Site Analysis, diagraming information for architectural design, Architectural media Ltd, USA.
2. Unwin, S. (2020). Analysing Architecture: the universal language of place-making. Routledge.
3. Donald Watson, Michael J. Crosbie, John Hancock Callender, 1997, Time Saver Standards for Architectural Design Data, 7th Edition, McGraw-Hill, USA.
4. Neufert, E., & Neufert, P. (2012). Architects' data. John Wiley & Sons.

b. Other supplemental materials

Project Specific references: please refer to the brief

6. Specific course information

a. Course description

This course aims at expanding student's abilities to deal with complex mixed-use design with vertical and horizontal circulation, program development , and contemporary movements and their influence on the local design trends.

(Please refer to the design brief for more info about the nature of the project.)



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b. The course is:

Mandatory, and its prerequisite is AR 313

c. Course outline:

The first 2 studios are planned to be to expand students' philosophical background; to introduce them to the development of mosques design, and to discuss how the perception and the symbolic design of mosques have an effect on our design decisions. This can be accomplished in various ways and will be left open to the tutor him/herself. (It could be achieved through asking students to research certain architects /their iconic work and present them to their peers, a reading task, or even presenting short YouTube videos to students and discuss the content with them.) Again, this is totally an individual decision left to the design tutor, taking into consideration the limited timescale. Students are not expected to be present in the first week especially first studio meeting.

7. Specific goals for the course

A. Knowledge and Understanding (student should):

- A1. Ability to define project's problem and nature
- A2. Ability to develop researches on the nature of the project and variables that affect the development of design proposals.

B. Cognitive and Intellectual Skills:

- B1. Ability to assess design decisions in terms of function, environment, construction, and structure

C. Subject specific skills:

- C1. Ability to deal with the relation between human behavior, nature, and design of the built environment



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8. Learning Outcomes and their Alignment with Program Educational Objective (PEO's), Methods of Delivery, and Assessment Methods:

Learning Outcomes	Program PEOs	Method of Delivery	Assessment Method
Course Outcomes			
<i>Knowledge and Understanding:</i> <i>(student should):</i> A1. Ability to define project's problem and nature	1.1.2		
A2. Ability to develop researches on the nature of the project and variables that affect the development of design proposals.	1.1.5	-Desk tutorials - Reading assignments	Discussions, crits, and pin-ups
<i>Cognitive and Intellectual Skills:</i> B1. Ability to assess design decisions in terms of function, environment, construction, and structure	1.4.4	- lectures	
<i>Subject specific skills:</i> C1. Ability to deal with the relation between human behavior, nature, and design of the built environment	2.3.2 1.3.3		



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9. Weekly Teaching Plan

Week 1	Lecture 1 Time 11-15	Course and Project Introduction
	Lecture 2 Time 11-16	
Week 2	Lecture 3 Time 11-15	Research Site visit and analysis
	Lecture 4 Time 11-16	
Week 3	Lecture 5 Time 11-15	Research Precedent Studies & program
	Lecture 6 Time 11-16	
Week 4	Lecture 7 Time 11-15	
	Lecture 8 Time 11-16	
Week 5	Lecture 9 Time 11-15	1st submission Research 10 marks
	Lecture 10 Time 11-16	Concept & Design Philosophy
Week 6	Lecture 11 Time 11-15	
	Lecture 12 Time 11-16	
Week 7	Lecture 13 Time 11-15	2nd submission Concept translation 10 marks
	Lecture 14 Time 11-16	
Week 8	Lecture 15 Time 11-15	
	Lecture 16 Time 11-16	
Week 9	Lecture 17 Time 11-15	EID AL FITR HOLIDAY
	Lecture 18 Time 11-16	
Week 10	Lecture 19 Time 11-15	Studio Work
	Lecture 20 Time 11-16	
Week 11	Lecture 21 Time 11-15	3rd submission Follow-up 20 marks
	Lecture 22 Time 11-16	Studio Work
Week 12	Lecture 23 Time 11-15	
	Lecture 24 Time 11-16	
Week 13	Lecture 25 Time 11-15	



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	Lecture 26 Time 11-16	Studio Work
Week 13	Lecture 27 Time 11-15	
	Lecture 28 Time 11-16	
Week 14	Lecture 29 Time 11-15	5th submission Final exam 40 marks

1. Grade Distribution:

Assessment	Grade	Week No.
- Midterm Exam (research , concept and follow up_)	20%	10 th Week
-Assignments (follow up and Pre final submission)	40%	14th Week
- Final Examination	40%	16 th Week

Note: Make-up exams will be offered for valid reasons. It may be different from regular exams in content and format.