



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

Course Syllabus

1. Course number and name

AR 214 Architectural Design 2

2. Credits and contact hours

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

3. Course type

Face to Face Learning Course

4. Instructor's or course coordinator's name

Dr. Reem Albarakat (coordinator)

Arch. Ala Gammoh

Arch. Roa'a Zidan

5. Textbook information

1. Donald Watson, Michael J. Crosbie, John Hancock Callender, Time Saver Standards for Architectural Design Data, 7th Edition, McGraw-Hill, USA, 1997.
2. Laseau, Paul, Graphic Thinking for Architects and Designers, New York: Van Nostrand Reinhold, 1989.
3. Edward T.White, Site Analysis, diagraming information for architectural design, Architectural media Ltd, USA, 1991.

a. Other supplemental materials

Instructor's notes

6. Specific course information

a. Catalog description

Understand the vocabulary of architecture. Develop critical thinking skills. Implement the rules of triangulated theory. Develop creative presentation skills. Understand the architectural project in a real site. Analytical thinking of design. Understanding the analytical design process

b. Prerequisites or co-requisites

Prerequisite: AR213 Architectural Design 1 (806213)

c. The course is:



FET
كلية الهندسة والتكنولوجيا
FACULTY OF ENGINEERING & TECHNOLOGY



Engineering
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Commission

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Required in the Architecture program.

7. Specific goals for the course

A. Course outcomes:

After completion of the course, students are expected to be able to:

- A.1** Research methods related to Architectural projects.
- A.2** Ability to define project's problem and nature.
- A.3** Ability to develop the initial theoretical and philosophical dimension of the project.
- A.4** Knowledge of theories and technical experiments, and their impact on architecture.
- A.5** Knowledge in the effect of arts on architectural design projects in terms of concept and presentation, and the ability to develop a thoughtful dimension in criticizing architectural design.
- A.6** Ability to ask questions, using abstract explanation ideas, relying on specific viewpoints, justified results, and improving design proposals linked to specific criteria and standards.
- A.7** Ability to use communication skills and oral presentation of the project



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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			
Research methods related to Architectural projects	1.1.1.	Studio and Lectures and Case Studies	Projects-Site Analysis, case studies and architectural program
Ability to define project's problem and nature	1.1.2.	Studio and Lectures and Case Studies	Analysis and concept submissions.
Ability to develop the initial theoretical and philosophical dimension of the project	1.1.5.	Studio and Lectures and Case Studies	Concept Submission
Knowledge of theories and technical experiments, and their impact on architecture	1.2.9.	Studio and Lectures and Case Studies	Development phases and final submissions
Knowledge in the effect of arts on architectural design projects in terms of concept and presentation, and the ability to develop a thoughtful dimension in criticizing architectural design	1.2.10.	Studio and Lectures and Case Studies	Concept ,development submission ,Sketch design and final submission
Ability to ask questions, using abstract explanation ideas, relying on specific viewpoints, justified results, and improving design proposals linked to specific criteria and standards	1.3.1.	Studio and Lectures and Case Studies	Lectures and sketch design
Ability to use communication skills and oral presentation of the project	1.4.3.	Studio and Lectures and Case Studies	Development , pre-final and final submissions



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9. Weekly Teaching Plan

Week No.	Lecture	Topic	Method of Delivery
1	Sunday	Course Introduction	Lecture
	Tuesdays	Introduction + Site Visit	Lecture + Studio
2	Sunday	Studio Work + Development	Studio
	Tuesday	Studio Work + Development	Studio
3	Sunday	Studio Work + Development	Studio
	Tuesday	Studio Work + Development	Studio
4	Sunday	First sub. (Site analysis + Historical Review+ Study Cases+ Architectural program)	Studio
	Tuesday	Studio Work + Development	Lecture + Studio
5	Sunday	Studio Work + Development	Studio
	Tuesday	Studio Work + Development	Studio
6	Sunday	Studio Work + Development	Lecture + Studio
	Tuesday	Phase 1 Second Sub. (Concept)	Studio
7	Sunday	Studio Work + Development	Studio
	Tuesday	Studio Work + Development	Studio
8	Sunday	Studio Work + Development	Lecture + Studio
	Tuesday	Studio Work + Development	Studio
9	Sunday	Initial drawings Submission	Studio
	Tuesday	Studio Work + Development	Lecture + Studio
10	Sunday	Studio Work + Development	Studio
	Tuesday	Studio Work + Development	Studio
11	Sunday	Studio Work + Development	Lecture + Studio
	Tuesday	Studio Work + Development	Studio
12	Sunday	Studio Work + Development	Studio
	Sunday	Sketch Design	Studio



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13	Sunday	Studio Work + Development	Studio
	Tuesday	Studio Work + Development	Lecture + Studio
14	Sunday	Pre -Final Submission (Plans + Elevations + Sections+ 3d's + Model)	Studio
	Tuesday	Studio Work + Development	Studio
15	Sunday	Final Submission (Plans + Elevations + Sections+ 3d's + Details+ Model + Presentation)	Studio

10. Grade Distribution:

Assessment	Grade	Week No.
- Project One; Submission 1+2	30%	1-6 th Week
-Project One; Submission 3	20%	7-11 th Week
-Sketch Design	10%	12 th Week
- Final Submission (Pre-Final and Final Submissions)	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.