

## Course Syllabus

<b>1</b>	<b>Course title</b>	Architectural Design 2
<b>2</b>	<b>Course number</b>	0932224
<b>3</b>	<b>Credit hours (theory, practical)</b>	4 Credit hours
	<b>Contact hours (theory, practical)</b>	8 Practical hours per week
<b>4</b>	<b>Prerequisites/co requisites</b>	Architectural Design 1
<b>5</b>	<b>Program title</b>	Bachelor of Architecture Engineering
<b>6</b>	<b>Program code</b>	0902
<b>7</b>	<b>Awarding institution</b>	The University of Jordan
<b>8</b>	<b>School</b>	School of Engineering
<b>9</b>	<b>Department</b>	Department of Architecture Engineering
<b>10</b>	<b>Level of course</b>	Undergraduate, 2 <sup>nd</sup> year Students
<b>11</b>	<b>Year of study and semester (s)</b>	2022/2023, Spring semester
<b>12</b>	<b>Final Qualification</b>	Bachelor of Architecture Engineering
<b>13</b>	<b>Other department (s) involved in teaching the course</b>	None
<b>14</b>	<b>Language of Instruction</b>	English
<b>15</b>	<b>Date of production/revision</b>	2/03/2025

### 16. Course Coordinator:

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### 17. Other instructors:

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## 18. Course Description:

Design of buildings with an integrated programme and moderate site requirements. Emphasis shall continue on the effects of functional, visual and structural aspects on architecture. The role of environmental and climatic implications on buildings. Physical means of building climatisation.

## 19. Course aims and outcomes:

### A- Aims:

- 1 Demonstrate an understanding of the design process by identifying and analysing architectural issues and to be able to generate and develop architectural ideas in response to these issues,
- 2 Demonstrate an ability to resolve and synthesize divergent requirements within buildings,
- 3 Develop and transfer abstract concepts into objects and built form,
- 4 Work collaboratively with others to develop solutions that benefit from a broad set of opinions to satisfactorily complete tasks,
- 5 Understand the working methods of design generation and refinement including sketching, measured drawing and model making,
- 6 Demonstrate skills in research and analysis and its application to an architectural design problem,
- 7 Understand issues of orientation, daylight and shade, breezes and passive environmental control and apply the knowledge to architectural design,
- 8 Develop qualitative architectural responses to the uniqueness of place and project circumstance
- 10 Accurately record site circumstances through basic surveying and photographic methods and measured drawings,
- 11 Clearly communicate design intentions in drawings, models and in verbal form

**B- Intended Learning Outcomes (ILOs):**

- A.1 Communication Skills
- A.2: Design Thinking Skills
- A.3 Visual Communication Skills (sketching &diagramming)
- A.7 Use of Precedents
- A.8 Ordering System Skills
- C.2 Human Behaviour
- C.7 Legal Responsibilities

**20. Topic Outline and Schedule:**

Week		Topic	Achieve d ILOs	Evaluation Methods	Reference
1	23 Feb	Introduction and data collection Stage 1	A.1 A. 3	Group discussion Lab assignment	2
	25 Feb				
2	2 Mar	Site selection/site visit Data collection	A.8 C.2	Lab assignments and home works	
	5 Mar				
3	9 Mar	Submission site analysis and study cases  Feedback /Precept and conclusion	A.7 C.7  A.2  A.7	Lab assignments and home works	1  2
	11 Mar				
4	16 Mar	Concept development	A.2  A.1 A. 3	Lab assignments and home works	3
	18 Mar				
5	23 Mar	Concept submission	A.2	Submission (pin up) and oral presentation	
	25 Mar				
6	30 Mar	Eid Al Fiter Holiday			
	1Apr				
7	6 Apr	Development	A.2  A. 3	Lab assignments and home works  Submission (pin up)	
	8 Apr				
8	13 Apr	Development	A.2	Lab assignments and home works	
	15 Apr				
9	20 Apr	Development	A.1 A. 3  A.1	Lab assignment	
	22 Apr				
10	27 Apr	Plans and four elevations	A.8	Submission	

			C.2		
	29 Apr				
11	4 May	Development	A.7 C.7	Lab assignments and home works	1, 2
	6 May		A.1 A. 3	Submission (pin up) and oral presentation	3
12	11 May	Development	A.2	Lab assignments and home works	
	13 May				
13	18 May	Development	A.2 C.7	Lab assignments and home works	
	20 May				
14	25 May	Final submission	A.2 A8	Submission (pin up), oral presentation and External Jury. Exam	
	27 May				
15	1 June	Final day of teaching			
	3 June				

## 21. Teaching Methods and Assignments:

Development of ILOs is promoted through the following teaching and learning methods:	
<b>1- Lectures and Class Discussion:</b>	Definition and discussions will precede each session and assignment.
<b>2-Demonstration:</b>	Demonstration is presented to students in each session which explains the topic and exercise.
<b>3-Tutorials:</b>	Students can use office hours for more info
<b>4-Laboratory:</b>	The classroom setting for this course is a studio, a large open room with drawing tables.
<b>5- Assignments, Report, Projects:</b>	There will be an assignment every studio.

## 22. Evaluation Methods and Course Requirements:

Opportunities to demonstrate achievement of the ILOs are provided through the following assessment methods and requirements:	
<b>1- Lab assignments , site assignments and home works</b>	1 <sup>st</sup> Project 40% Development40%
<b>2- Exams: Time Table</b>	Final exam, week 15: a lab assignment (20%)

### **23. Course Policies:**

#### **A- Attendance policies:**

Attendance is obligatory, the explanation of the exercise, the reference, the outcomes, the techniques needed; all these shouldn't be missed.

Using E-learning weekly to view home works, marks, recommended readings, and supporting audio visuals is necessary.

An absence of more than 15% of all the number of classes, which is equivalent of (2) classes, requires that the student provides an official excuse to the instructor and the dean.

If the excuse was accepted the student is required to withdraw from the module.

If the excuse was rejected the student will fail the module and mark of zero will be assigned as suggested by the laws and regulations of the University of Jordan. Please refer to the student handbook: <http://registration.ju.edu.jo/Documents/daleel.pdf>.

#### **B- Absences from exams and handing in assignments on time:**

All exercises are handed directly at the end of the studio session; home works are a media to have more experience and to train more at home.

Every student should take a photograph for every marked exercise and exam, and submit a CD containing those photos at the final exam.

#### **Absence from exams:**

The instructor will not do any make-up exams.

Exceptions for make-up exams and late submission of class assignments will be made on a case-by case basis for true personal emergencies that are described as accepted by the regulations of UJ (e.g., student.com exam, documented medical, personal, or family emergency).

#### **C- Health and safety procedures:**

Students should be careful when using a scalpel to avoid injuries.

Sitting in a healthy way while drawing to avoid slipped disc.

#### **D- Honesty policy regarding cheating, plagiarism, misbehaviour:**

There are strict university rules concerning the cheating, plagiarism and misbehaviour and all the students are introduced to these rules.

Any forms of academic misconduct will be handled according to the University of Jordan guidelines.

#### **E- Grading policy:**

Grades are related to the final achievement for each exercise, the process, the understanding, and the development.

#### **F- Available university services that support achievement in the course:**

Department's labs.

### **24. Required equipment: (Facilities, Tools, Labs, Training....)**

Facilities: Labs.

Tools: the students should bring all their tools: Engineering drafting tools, tracing papers, coloured pencils, markers and sketchbooks.

Training: site visit, Architectural office visit.

## 25. References:

Required book (s), assigned reading and audio-visuals:

- 1- **Site analysis**, Edward white, Arizona: Architectural media, 1983
- 2- **Analysis of precedent**, Roger Clark & Michael Pause, 1982.
- 3- **Architecture, Space Form & Order**, Francis DK Ching

Recommended books, materials, and media:

- 4- **Design Drawing**, Francis DK Ching
- 5- **Analyzing Architecture**, Simon Unwin
- 6- Johannes, I. 1970. **The Elements of Color**, John Wiley & Sons: New York. Kilmer, R. and
- 7- Panero, J. and Zelnick, M. 1989. **Human Dimensions and Interior Space**, Watson – Guptill Publications: New York.
- 8- Abercrombie, S. **Philosophy of Interior Design**. Oxford: Westview, 1990.

## 26. Additional information:

Name of Course Coordinator: ----- Signature: ----- Date: -----

Head of curriculum committee/Department: ----- Signature: -----

Head of Department: ----- Signature: -----

Head of curriculum committee/Faculty: ----- Signature: -----

Dean: ----- Signature: -----

Copy to:  
Head of Department  
Assistant Dean for Quality Assurance  
Course File