

Course Syllabus

1	Course title	Architectural Design 2
2	Course number	0932224
3	Credit hours (theory, practical)	4 Credit hours
	Contact hours (theory, practical)	8 Practical hours per week
4	Prerequisites/co requisites	Architectural Design1
5	Program title	Bachelor of Architecture Engineering
6	Program code	0902
7	Awarding institution	The University of Jordan
8	School	School of Engineering
9	Department	Department of Architecture Engineering
10	Level of course	Undergraduate, 2nd year Students
11	Year of study and semester (s)	2020/2021, 2nd semester
12	Final Qualification	Bachelor of Architecture Engineering
13	Other department (s) involved in teaching the course	None
14	Language of Instruction	English
15	Date of production/revision	10/3/2021

16. Course Coordinator:

Firas Sharaf,
Office number -
Office hours, Monday and Wednesday 11:30 AM -12:30 PM
Phone number: 06 5355000 Ext: 27159
email addresses: f.sharaf@ju.edu.jo

17. Other instructors:

Samer Abu-Ghazaleh,
Office number -
Office hours, Sun & Tue 12:30 PM -1:30 PM
Phone number: 06 5355000 Ext:27164
email addresses: s.abughazalah@ju.edu.jo

Lamis Shaban
Office number -
Office hours: 12:30 - 1:30 pm Sunday & Tuesday
Phone number: 06 5355000 Ext: 27168
email addresses Lamis.shaban@ju.edu.jo

<p>Ahlam Harahsheh Office number - 22 Office hours, Monday and Wednesday- 12-1 Phone number: 06 5355000 email address: a.harahsheh@ju.edu.jo</p>
<p>Haneen Alsawalqa Office hours 1-3 sun-tues 06 5355000 ext. 27173 h.alsawalqah@ju.edu.jo</p>
<p>Hibatullah Stetieh, Office number - Office hours, Monday and Wednesday 11:30 AM -12:30 PM Phone number: 06 5355000 Ext: 27171 Email addresses: h.stetieh@ju.edu.jo</p>
<p>Sarinaz Suleiman Office number - Office hours, 12:30 - 1:30 pm Sunday & Tuesday Phone number: 5355000 Ext: email addresses: s.suleiman@ju.edu.jo</p>

18. Course Description:

Design of buildings with an integrated programme and site requirements. Emphasis is made on different uses in the buildings that effect functional, visual and structural aspects on architecture. The role of environment and climatic implications on buildings and physical means of building climatization.

19. Course aims and outcomes:

<p>A- Aims:</p> <ol style="list-style-type: none"> 1. Establish an understanding of architectural design process, identifying and analysing architectural features and ability to generate and develop architectural ideas in response to different requirements. 2. Develop and transfer abstract concepts into objects and built form. 3. Demonstrate an ability to resolve and synthesize different functional requirements in buildings. 4. Team working 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 research and analysis skills and their application in resolving architectural design problem. 7. Understand design related factors such as building 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. Record site circumstances accurately through basic survey and photographic methods and to scale drawings.
--

<p>11. Clearly communicate design aims in drawings, models and in verbal form</p> <p>B- Intended Learning Outcomes (ILOs):</p> <p>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</p>

E

20. Topic Outline and Schedule:

Week	Topic	Achieved ILOs	Evaluation Methods	Reference	
1	21 Feb	Course and project introduction	A.1	Group discussion	2
	23 Feb	review and analysis of the project program	A. 3	Lab assignment	
2	28 Feb	Studying and analysing project program, case studies	A.8 C.2	Lab assignments and home works	
	2 Mar	site analysis			
3	7 Mar	outcomes of site and case studies analysis	A.7 C.7	Lab assignments and home works	1
	9 Mar	Research stage submission	A.2 A.7		2
4	14 Mar	Introduction to design (Preliminary design)	A.2	Lab assignments and home works	3
	16 Mar	Submission of project research: Data collection and concept First Evaluation	A.1 A. 3	Submission (pin up) and oral presentation	
5	21 Mar	Concept formation + concept demonstration +	A.2	Lab assignments and home works	
	22 Mar	Submission- Concept			
6	28 Mar	Design development	A.2 C.7	Lab assignments and home works	
	30 Mar	Site plan, plans, sections			
7	4 April	Design development	A.2 A. 3	Lab assignments and home works	
	6 April				
8	11 April	Presentation of Design stage	A.2	Lab assignments and home works	
	13 April	Site plan, plans, sections			

9	18 April	Elevation and 3 D design development	A.1 A. 3	Lab assignments and home works	
	20 April	design development	A.1		
10	25 April	design development	A.1	Lab assignments and home works	1, 2
	27 April		A. 3		
11	2-4 May	Pre-final submission	A.8 C.2	Submission (pin up) and oral presentation	
12	9 May	design development	A.1		
	11 May				
13	16 May	Presentation			
	18 May				
14	23 May	Final submission	A.2	Submission (pin up), oral presentation and External Jury. Exam	
	25 May				
15	30 May	Final Exam			

21. Teaching Methods and Assignments:

Development of ILOs is promoted through the following teaching and learning methods:	
1- Lectures and Class Discussion:	Definition and discussions will precede each session and assignment.
2-Demonstration:	Demonstration is presented to students in each session which explains the topic and exercise.
3-Tutorials:	Students can use office hours for more info
4-Laboratory:	The classroom setting for this course is a studio, a large open room with drawing tables.
5- Assignments, Report, Projects:	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:	
1- Studio assignments , site assignments and submissions	1st project (80%)
2- Exams: Time Table	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, architecture drawing and presentation software.

Training: site visit, Architectural office visit.

25. References:

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

- 1- White, Edward. **Site analysis**. Arizona: Architectural media, 1983
- 2- Clark, Roger and Pause, Michael. **Analysis of precedent**. 1982.
- 3- Ching, Francis DK. **Architecture, Space Form & Order**.
- 4- Nuefert, E; Williams, N. **Architects Data**. Oxford: Blackwell Science, 2000.

Recommended books, materials, and media:

- 5- Ching, Francis DK. **Design Drawing**.
- 6- Unwin, Simon. **Analyzing Architecture**. London: Routledge, 2002.
- 7- Johannes, I. 1970. **The Elements of Color**, John Wiley & Sons: New York.
- 8- Panero, J. and Zelnick, M. 1989. **Human Dimensions and Interior Space**, Watson – Guptill Publications: New York.
- 9- Abercrombie, S. **Philosophy of Interior Design**. Oxford: Westview, 1990.
- 10- De chaira J; Callender J. Time Saver Standards for Building Types. Third edition. New York: McGraw Hill.
- 11- Hugh Pearman. Contemporary World Architecture. London: Phaidon Press Inc., September 1998
- 12- Grosse, Peter; Leuthauser, Gabriel. Architecture in the Twentieth Century. Taschen America Lic. 1996
- 13- Hays, Michael. Oppositions Reader: Selected Readings from a Journal for Ideas and Criticism in Architecture 1973-1984
- 14- Leach, Neil. Rethinking Architecture. London: Spon Press & Routledge. 1977
- 15- Architecture as Symbol and Self-Identity: Proceedings – Cambridge: The Aga Khan Award for Architecture, 1980.
- 16- William J. Mitchell. The Logic of Architecture, Cambridge: The MIT press, 1990.
- 17- James Steele. Architecture Today. London: Phaidon 1990
- 18- Trasi, Nicoletta. Interdisciplinary Architecture. Chichester: Wiley- Academy, 2001
- 19- Peter Cooh (et.al). The Paradox of Contemporary Architecture: The Low Lectures. Chichester: Wiley Academy, 2001
- 20- Andrew Benjamin. Architectural Philosophy. London: The Athlone Press, 2000.

26. Additional information:

Name of Course Coordinator: Dr Firas Sharaf-----Signature: ----- Date: March 2021

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