

Course Syllabus

1	Course title	Architectural Design 1
2	Course number	0932223
3	Credit hours (theory, practical)	4 Credit hours
	Contact hours (theory, practical)	8 Practical hours per week
4	Prerequisites/co requisites	Basic design 2
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, 2 nd year Students
11	Year of study and semester (s)	2023/2024, Fall 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	01/10/2023

16. Course Coordinator:

Jawdat S. Goussous,
Office number -
Office hours, 12-14
Phone number: 06 5355000 Ext: 27163
email addresses: j_goussous@ju.edu.jo

17. Other instructors:

Samer Abu-Ghazaleh,
Office number -
Office hours, 12:30 14:30
Phone number: 06 5355000 Ext: 27164
email addresses: s.abughazalah@ju.edu.jo

Hibatullah Stetieh,
Office number -
Office hours: 12:30 14:30
Phone number: 06 5355000 Ext: 27171
Email addresses: h.stetieh@ju.edu.jo, hibastatiia@yahoo.com

Haneen Al-Sawalqah,
Office number -
Office hours: 12:30 14:30
Phone number: 06 5355000 Ext: 27173
email addresses: h.alsawalqah@ju.edu.jo

18. Course Description:

Architectural Design 1 is a studio-based design course, consisting of projects that investigate a range of architectural issues. The course provides the initial foundation for an education in architectural design. Architectural concepts, processes and skills are taught through design projects that introduce basic processes of visual perception and response, spatial recording, problem analysis, creative enquiry, solution synthesis and appraisal, and architectural communication through drawings and models. Studio participation, peer discussion and group interaction are central to the studio learning process

19. Course aims and outcomes:

A- Aims:

- 1 Demonstrate an understanding of the design process by identifying and analyzing 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	Achieved ILOs	Evaluation Methods	Reference
1	Conceptual introduction Introduction to first project	A.1	Group discussion	2
	Studying and analysing project program	A.3	Lab assignment	
2	Studying and analysing project program site selection	A.8 C.2	Lab assignments and home works	
3	Analysing site, Collecting case studies. Concept + Analysis of initial ideas/ concepts	A.7 C.7	Lab assignments and home works	1
	Analysing study cases	A.2 A.7		2
4	Introduction to design (Preliminary design) Submission of project research: Data collection and concept First Evaluation	A.2 A.1 A.3	Lab assignments and home works Submission (pin up) and oral presentation	
5	Concept formation + concept demonstration + Submitting 3 model options data collection	A.2	Lab assignments and home works	
6	Design development & data collection	A.2 C.7	Lab assignments and home works	
7	Design development & data collection Pre-final submission	A.2 A.3	Lab assignments and home works Submission (pin up)	
8	Design development & data collection	A.2	Lab assignments and home works	
9	Final submission	A.1 A.3	Submission (pin up), oral presentation and External Jury	
	Introduction to second project	A.1	Group discussion	

10		Studying and analysing project program	A.8 C.2	Lab assignments and home works	
11		Analysing site, analysing case studies. Submission of project research: Data collection and concept First Evaluation	A.7 C.7 A.1 A.3	Lab assignments and home works Submission (pin up) and oral presentation	1, 2
12		Concept formation + concept demonstration + Submitting 3 model options	A.2	Lab assignments and home works	
13		Design development & data collection	A.2 C.7	Lab assignments and home works	
14		Design development & data collection	A.2	Lab assignments and home works	
15		Final Submission	A.1 A.3	Submission (pin up), oral presentation and External Jury.	
		Final Exam	A.3 A.8	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- Lab assignments , site assignments and home works	1st project (40%) 2nd project (40%)
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 homework, marks, recommended readings, and supporting audio visuals is necessary.

An absence of more than 11% 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; homework assignments 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:

<p>Required book (s), assigned reading and audio-visuals:</p> <p>1- Site analysis, Edward white, Arizona: Architectural media, 1983 2- Analysis of precedent, Roger clark & Michael Pause, 1982.</p> <p>Recommended books, materials, and media:</p> <p>3- Design Drawing, Francis DK Ching 4- Analysing Architecture, Simon Unwin 5- Johannes, I. 1970. The Elements of Colour, John Wiley & Sons: New York. Kilmer, R. and 6- Panero, J. and Zelnick, M. 1989. Human Dimensions and Interior Space, Watson – Guptill Publications: New York. 7- Abercrombie, S. Philosophy of Interior Design. Oxford: Westview, 1990.</p>

26. Additional information:

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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