1	**Course title**	Architecture Design 7
2	**Course number**	0902457
3	**Credit hours (theory, practical)**	4 Credit hour
	Contact hours (theory, practical)	8 Practical hours per week
4	**Prerequisites/co requisites**	0902424
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, 5th year Students
11	**Year of study and semester (s)**	2022/2023, 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**	2022

16. Course Coordinator:

Dr Omar M N Amireh
Office number: ART 28   Contact Hours: Monday and Wednesday 8:30 AM-10:00 AM
Phone number: 06 5355000 Ext. 27160
Email addresses: amireh@ju.edu.jo

17. Other instructors:

Dr. Deyala Atarawneh,
Phone number: 06 5355000 Ext,
Email addresses: d.altarawneh@ju.edu.jo

Sarinaz Suleiman,
Phone number: 06 5355000 Ext 27167,
Email addresses: s.suleiman@ju.edu.jo

Hibatullah Stetieh,
Phone number: 06 5355000 Ext. 27171,
Email addresses: h.stetieh@ju.edu.jo

18. Course Description:

Design of building or mixed-use complex within urban Fabric. Focus on building systems and design within context. Impact of the building design on the urban fabric.

19. Course aims and outcomes:

A- Aims:

1. Introduction to the latest methodologies, practices, and applications of urban design
2. Understanding where, why, and how urban design can solve the growing problems of cities, architecture, space deterioration, and decay
3. Apprehending the re-concepts of urban design including, redevelopment, reconstruction, rehabilitation, restoration, conservation, preservation, etc...
4. Communicating the present era of modern cities with its changing modes of communication, energy utilization, and transportation requiring new design in response to the historical precedents and humanistic considerations.
5. Exploring the latest theories, practices, and applications in urban development's regenerations and transformations

B- Students Learning Outcomes (SLOs):

Upon successful completion of this course, students will be able to:

SLOs \ SLOs of the course	SLO (1)	SLO (2)	SLO (3)	SLO (4)	SLO (5)	
A. An ability to apply knowledge of mathematics, science, engineering, and arts.						
B. An ability to communicate effectively.		■				
C. An ability to work on different design projects from interior design to urban design			■	■		■
D. An ability to use different visual communication tools, advanced computer aided design software, and Building Information Models (BIM).						
E. An ability to function on multi-disciplinary team.			■			
F. An ability to produce a complete design drawings and working drawings.						
G. An ability to use the techniques, skills, and modern architectural means necessary for the architectural practice.						
H. Knowledge of the history of architecture since the ancient architecture until today.			■			
I. Knowledge of contemporary issues related to the field of architecture construction and project management.						
J. Knowledge of different building systems and their relation to the architectural design.						
K. Knowledge of different aspects of the architectural practice and legislation issues related.	■			■		

20. Topic Outline and Schedule:

Week	Lecture/ Studio	Topic	Student Learning Outcome	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous / Asynchronous Lecturing	Evaluation Methods	Resources
1	1.1	Syllabus, Revisions	B, C, K	Face to Face	-	-	Participation	
	1.2	Definitions Urban Design Introduction	B, C, K	Face to Face	-	-	Initiative	
2	2.1	Idea Set/ Project Proposals Discussed Thematic Defined	B, C, K	Face to Face	-	-	Assessment	
	2.2	Frameworks Ways Urban Design Study	B, C, H, E	Face to Face	-	-	Oral Evaluation	
3	3.1	Concepts and Methodologies	B, C, H, E	Face to Face	-	-	Oral Evaluation	
	3.2	Evaluation, Urban Design Theoretical Approach	B, C, H, E	Face to Face	-	-	Desk Assessment	
4	4.1	Groups Topics Defined	B, C, H, E	Face to Face	-	-	Desk Assessment	
	4.2	Responsive Environments Site Characteristics and criteria Formulate Idea	B, C, H	Face to Face	-	-	Handout Evaluation	
5	5.1	Responsive Environments Site Characteristics and Criteria Formulate Idea	E,K	Face to Face	-	-	Handout Evaluation	
	5.2	Data Collection, Survey, Statistics Space Syntax Case Study Approach	E,K	Face to Face	-	-	Pined Presentation	
6	6.1	Data Collection, Survey, Statistics Space Syntax Case Study Approach	E,K	Face to Face	-	-	Pined Presentation	
	6.2	Data Collection, Survey, Statistics Space Syntax Case Study Approach	E,K	Face to Face	-	-	Pined Presentation	
7	7.1	Project Phase (1) Revision	B, C	Face to Face	-	-	Oral Skills	
	7.2	Project Phase (1) Revision	B, C	Face to Face	-	-	Oral Skills	
8	8.1	Data Development Data Thinking Analysis Application Approach	B, C, H	Face to Face	-	-	Desk Assessment	
	8.2	Mid Term Sketch Design		Face to Face	-	-	Sketch Design	
9	9.1	Data Development Data Thinking Analysis Application Approach	B, C, H	Face to Face	-	-	Desk Assessment	
	9.2	Data Development Data Thinking	B, C, H	Face to Face	-	-		

		Analysis Application Approach					Desk Assessment	
10	10.1	Data Design Synthesis Application Approach	B, C, H	Face to Face	-	-	Pined Presentation	
	10.2	Data Design Synthesis Application Approach	B, C, H	Face to Face	-	-	Pined Presentation	
11	11.1	Data Design Synthesis Application Approach	B, C	Face to Face	-	-	Oral Skills	
	11.2	Data Design Synthesis Application Approach	B, C	Face to Face	-	-	Oral Skills	
12	12.1	Designing U-Design Visualizing Novelty	K	Face to Face	-	-	Desk Assessment	
	12.2	Designing U-Design Visualizing Novelty	K	Face to Face	-	-	Desk Assessment	
13	13.1	Urban Design Architecture Creativity and Innovation	K	Face to Face	-	-	Desk Assessment	
	13.2	Urban Design Architecture Creativity and Innovation	K	Face to Face	-	-	Desk Assessment	
14	14.1	Final Design	B, C	Face to Face	-	-	Pined Presentation	
	14.2	Final Design	B, C	Face to Face	-	-	Pined Presentation	
15	15.1	Final Presentation	B, C	Face to Face	-	-	(Final External, Internal Jury	
	15.2	Final Presentation	B, C	Face to Face	-	-	(Final External, Internal Jury	

21. Teaching Methods and Assignments:

Development of ILOs is promoted through the following teaching and learning methods:	
1- Lectures and Class Discussion:	
2-Demonstration: Presentations	The demonstration is presented by students.
3-Tutorials: Oral Skills	Students can use office hours for more info
4-Laboratory: Studio	The classroom setting for this course is a studio, a large open room with drawing tables.
5- Assignments, Report, Projects:	

22. Evaluation Methods and Course Requirements:

Opportunities to demonstrate achievement of the ILOs are provided through the following assessment methods and requirements:

1- **Oral Evaluation, Desk Assessment and Pined Presentation**	Course Main Project (70%)
2- **Sketch Design: TimeTable**	Midterm Sketch Design, week 8: a lab assignment (10%)
	Final exam week 14: a lab assignment (20%)

23. Course Policies:

A-   Attendance policies:
Attendance is obligatory, asthe explanation of the exercise, the reference, the outcomes, andthe techniques areneeded; all these shouldn't be missed.
Using E-learning weekly to view home works, marks, recommended readings, and supporting audiovisuals is necessary.
An absence of more than 15% of the number of classes, which is equivalent to (4) 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 amark 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 medium 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 file containing those photos on https://elearning.ju.edu.jo/moodle10/.

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 discs.

D-   Honesty policy regarding cheating, plagiarism, and misbehavior:
There are strict university rules concerning cheating, plagiarism, and ,misbehavior and all the students are introduced to these rules.

Any form 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:
Tools:
Training:

25. References:

Textbooks and Reading

-Shirvani, Hamid. (1985), The Urban Design Process, NY. Van Nostrand
Reinhold Company.
-Bentley, Ian, (ed). (1985). Responsive Environments, Oxford, Architectural
Press.
-Yamu, Claudia Hillier, Bill (202) Introduction to Space Syntax in Urban Studies,
Springer, Open Access,

References
   • Alexander, Christopher. (1965). "The City is not a Tree", Architectural
Forum, 122: 1, 2, 58-62.
   • Alexander, Christopher. (1968). "The City as a Mechanism for Sustaining
   • Human contact". Environment for Man: The Next 50 Years, Bloomington, Indiana, Indiana University Press.
   • Appleyard, Donald. (1969). "Why Buildings are known: A predictive Tool for Architects and Planners". Environment and Behavior. I: 131-. 156.
   • Barnett, Jonathan. (1974). Urban Design as Public Policy- Practical Methods of Improving Cities. NY, McGraw Hill Architectural Record Books.
   • Passini, Romedi. (1984). Wayfinding in Architecture. N Y. Van Nostrand
   • URBAN DESIGN AND THERMAL COMFORT: SHADING FOR PEDESTRIANS IN DUBAI
   • Send in the Clowns': Re-inventing Jordan's Downtowns in Space and Time, Case of Amman
ASSOCIATION OF SPATIAL ARRANGEMENTS WITH PARENTS' BEHAVIOR AND PERCEPTIONS OF CHILD SAFETY IN JORDAN
   • The Inclusive City: Design Solutions for Buildings, Neighborhoods and Urban Spaces Gentrification and Social Mixing: Towards an Inclusive Urban Renaissance?

26. Additional information:

Design 7 is about working and designing on the urban scale which in itself is about redefining the limits and relation between design and planning and between internal and external built or open spaces and land uses and zoning and between architecture and landscape or space escape, also about changes, transformations, evolutions of most cities or urbanism of the last century. It is about enduring vast and rapid changes that hit and shaped the environments whether built or open, natural or man-made, about climate, geography, culture, commerce, aesthetics, and technology. It is about an emerging new discipline, practice, and profession. A framework that may bring back most of the city's components, parts, and disciplines (cities, architecture, landscape design, and planning) together. It is about the impact assessment of developments, ventures, enterprises, and investments on environments and urbanism. It is about……………………………………………………………………everything.

Course Learning Outcomes (CLOs):

1. Students will apprehend the role of urban design in solving problems generated by the changing policies, strategies, laws, and codes used in city planning, building structure, and landscape.
2. Will understand the urban design process, procedures, and methodologies.
3. Will refer to real concepts and problems and real environmental challenges of real local cases.
4. Be trained to handle existing cases of urban design problems and evaluate related parameters and properties and analyse their conditions and decide the level of interferences.
5. Comprehend and relate methodologies, applications, and practices on the international, regional and local levels.
6. Relate theories with hypotheses at the professional level for reaching solutions through the different practices and experiences within local and international applications.
7. Knowing and adopting certain processes of urban studies procedures including surveys, analysis, and synthesis within certain urban tissues or spaces.
8. Dealing with heritage, history, culture, values, precepts, and concepts of local communities, societies, and congregations.

Name of Course Coordinator: Dr. Omar Amireh. Signature: ------------------ Date: 9-10-2022

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

Head of Department: Prof. Nabeel AlKurdi. Signature: -----------------------

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

Dean: -- -Signature: --

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