

Philadelphia University
Faculty of Engineering and Technology
Department of Architecture
First Semester (2022/2023)

Course Syllabus

Course Title: Urban Design	Course code: 0660437
Course Level: 4 nd year	Course prerequisite (s): Landscape Architecture
Lecture Time: Sunday and Tuesday 11:15 –12:45 @.61101	Credit hours: 3

Academic Staff Specifics

Name	Rank	Office Number and Location	Office Hours	E-mail Address
Dr. Afnan Saleh	Assistant professor	61-318	ST 10:00-11:00	a.saleh@philadelphia.edu.eg

Course description:

This course provides an overview of urban design as interdisciplinary practice that is concerned with defining the human settlements. It provides a brief history and definition of urban design and the roles of the various professions involved (Architect, landscape architect, urban planner and civil engineers). It looks at the element of urban form, from the scale of the city and its region to the importance of details and materials.

Course objectives:

This course aims essentially to explain the importance of urban design to architecture. This main goal can be achieved through achieving the following objectives:

- To understand the meaning of Urban Design as a discourse between architecture, landscape architecture, urban planning and civil engineering.
- To recognize the physical and social dimensions of urban design and the legibility of urban relationships as tools to make sense of the city.
- To understand the role of community stakeholders in urban regeneration.
- To explore both the tangible and less tangible measures that inform the design of cities and the vitality of urban spaces.

- To define the character of an urban space according to its movement patterns, with emphasis on the walkability as a key to good urban design.
- To be aware that a city is the product of culture, but equally, it is an important shaper and creator of culture.
- To recognize the concept of urban context and clarify the students with the basic concepts and issues of urban environments as they relate to architecture.
- To know some of the seminal theoretical aspects of urban design.

Course components

Books;

The selected text book is:

Wall, Ed and Waterman, Tim. 2010. *Urban Design*. London : Avabooks, 2010.

Support material;

Various illustrations on Data Show, books, magazines, site visits, and DVDs.

Homework and laboratory guide:

A series of exercise sheets designed to achieve the course objectives. Each sheet includes exercise description, exercise objective, required instruments and materials, and guiding instructions and the time of work to produce required submittals.

Teaching methods:

- Lecturing; lecture provides quick exposure to new material, ensures the ability to complete and clarify course material, and facilitates large-class communication.
- Collaborating; active participation of students through talking and listening to others opinion establish personal connection between students and the topic. This can be achieved through different methods depend on level of students interest. The frequent used method is classroom discussion. The process of classroom discussion can develop critical thinking. In this process, different attitudes or opinions are probed among the students, the information received are then paraphrased, and the discussion developed through a series of questions.
- Group Experts; different groups are going to work on different topics. These groups are re-mixed to have one expert on each topic, who now has to teach his new group. Experts in different topics working on one project learn them to take integrated decisions to complete their project.

Learning outcomes:

Knowledge

CLO1 - Understand the meaning of urban design and its relation to architecture

CLO2- Understand the history of contemporary urban transformation processes

CLO3- Understand the context-based design methods.

Skills

CLO4- Ability to represent a mental map of an urban context using the five types of the element of the image of the city.

Competency

CLO5- Using the gained knowledge and skills to tackle complex urban challenges with much emphasis on local urban issues in Jordan and consultancy concerns in urban design projects

Assessment instruments

Allocation of Marks			
	Assessment Instruments	Wight	Mark
Midterm Exam	Exam 1	30%	30%
Reports	Assignments and quizzes	10%	30%
	Project and group work assignments (presentation and jury)	15%	
	Class participation	5%	
Final Exam	Exam 2	40%	40%
Total		100%	100%

Student of architecture should have the ability of time management. Consequently, assignments and exercises should be submitted on time. A bonus of 5% of the students' grade will be awarded to those who submit their projects on time. A penalty of 5% of the students' grade will be inflicted for each day of delay (weekends included).

Documentation and academic honesty

The students are trusted to act honorably. Those who are in violation of the academic honesty can be subjected to standard penalty for a first offence includes issuing "No Pass" or "No Credit" for the

exercise in which the violation occurred. The standard penalty for a multiple violation includes "No Pass" or "No Credit" for the course. Examples of conduct which to be regarded as being in violation include unpermitted collaboration and representing the work of another as one's own work.

Course academic calendar

Week No.	Dates	Subject	Readings and homework
1.	October	Course outline What is urban design?	
2.	October	Historical perspectives	
3.	November	Historical perspectives Project exercise 1 (group, design problem)	
4.	November	Urban design context	Submittal 1
5.	November	Urban design context	
6.	November	Urban design methodology Project exercise 2 (context, methodology)	
7.	November	Urban design principles: Character Urban design principles: Continuity, connection and enclosure Project exercise 3 (analysis)	Exam -1
8.	December	Urban design principles: Quality of the Public Realm Urban design principles: Ease of Movement Project discussion	
9.	December	Urban design principles: Legibility Urban design principles: Adaptability/ resilience Project exercise 4 (design strategy)	Submittal 2
10.	December	Urban design principles: Diversity Project discussion	
11.	December	Urban design principles: Community Project discussion	
12.	December	Urban design and architecture: Urban facades, streets, squares Project work	
13.	January	Urban design and architecture: Experiencing/ Understanding urban space Project work	
14.	January	Urban design and architecture: Sustainability and Urban Futures Project work	
15.	January	Course consolidation	
16.	February	Review of the Semester	Finals

Expected workload:

Course Hours including jury, presentations and exam weeks: 16*3 hours = 48 hours; Study hours out of class: 20 hours; Homework / assignments: 3*2 hours = 6 hours; Project and group work assignment: 20 hours

Total expected workloads = 94 hours

Attendance policy:

Absence from lectures and/or tutorials shall not exceed 15%. Students who exceed the 15% limit without a medical or emergency excuse acceptable to and approved by the Dean of the relevant college/Faculty shall not be allowed to take the final examination and shall receive a mark of zero for the course. If the excuse is approved by the Dean, the student shall be considered to have withdrawn from the course.

References

- Broadbent, Geoffrey. 1990.** *Emerging Concepts in Urban Spaces Design*. New York : Van Nostrand Reinhold Company, 1990.
- Carmona, Matthew and Tiesdell, Steve, [ed.]. 2007.** *Urban Design Reader*. Oxford : Elsevier, Architectural Press, 2007.
- Cullen, Gordon. 1961, 1990.** *The Concise Townscape*. London : Butterworth Architecture, 1961, 1990.
- Kostof, Spiro. 1992.** *The city assembled: the elements of urban form through history*. London : Thames and Hudson, 1992.
- . **1991.** *The city shaped: urban patterns and meanings through history*. London : Thames and Hudson, 1991. ISBN 0-8212-1867-0.
- Lang, Jon. 2005.** *Urban design: a typology of procedures and products illustrated with over 50 case studies*. Oxford : Elsevier: Architectural Press, 2005.
- Lynch, Kevin. 1960, 1977.** *The Image of the City*. Massachusetts : The M.I.T. Press, 1960, 1977.
- Moughtin, Cliff, et al. 1999.** *Urban design: method and techniques*. Oxford : Butterworth-Heinemann: Architectural Press, 1999.
- Moughtin, Cliff, et al. 1992, 2004.** *Urban design: street and square*. Oxford : Butterworth Architecture, 1992, 2004.
- Wall, Ed and Waterman, Tim. 2010.** *Urban Design*. London : Avabooks, 2010.