

**Philadelphia University**  
**Faculty of Engineering**  
**Department of Architecture**  
**First Semester (2018/2019)**

Course Syllabus

<b>Course Title:</b> Urban Design	<b>Course code:</b> 0660437
<b>Course Level:</b> 4 <sup>nd</sup> year	<b>Course prerequisite (s):</b> Landscape Architecture
<b>Lecture Time:</b> Sun., Tue., and Thu. 10:10 –11:00 @.61101	<b>Credit hours:</b> 3

Academic Staff Specifics

Name	Rank	Office Number and Location	Office Hours	E-mail Address
Dr. Afnan Saleh	Assistant professor	61-318	ST 11:00-12:00	<a href="mailto:a.saleh@philadelphia.edu.eg">a.saleh@philadelphia.edu.eg</a>

**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 concept of the urban context and the legibility of urban relationships as tools to make sense of the city.
- 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.

## **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 and understanding:**

- Pre-Design: Ability of site selection according to urban context.
- Site Design: Ability to respond to urban context and developmental patterning and building orientation, in the development of a project design.

**Cognitive skills - (thinking and analysis):**

- Research: understanding of the theoretical and applied research methodologies and practices used during the urban design process.
- Integrated Evaluations and Decision-Making Design Process: ability to understand, interpret and evaluate the required knowledge and skills associated with making integrated decisions across different disciplines and variables in the completion of a urban design proposal. This demonstration includes problem identification, setting evaluative criteria, analyzing solutions, and predicting the effectiveness of implementation.
- Stakeholder Roles in Architecture: understanding of the relationships among key stakeholders in the design process—client, architect, user groups, local community—and the architect’s role to reconcile stakeholder needs.

**Communication skills - (personal and academic):**

- Professional Communication Skills: Ability to write and speak effectively and use representational media appropriate for both within the profession and with the general public.
- Design Thinking Skills: Ability to raise clear and precise questions, use abstract ideas to interpret information, consider diverse points of view, reach well-reasoned conclusions.
- Use of Precedents: Ability to examine and comprehend the fundamental principles present in relevant precedents and to make informed choices about the incorporation of such principles into architecture and urban design projects.
- History and Global Culture: Understanding of the parallel and divergent histories of architecture and the cultural norms of a variety of indigenous, vernacular, local, and regional settings in terms of their political, economic, social, ecological, and technological factors.
- Cultural Diversity and Social Equity: Understanding of the diverse needs, values, behavioral norms, physical abilities, and social and spatial patterns that characterize different cultures and individuals and the responsibility of the architect to ensure equity of access to sites, buildings, and structures.

**Assessment instruments**

Work for the class will include small group work project and 25% of your grade will be based on this project. 55% on the exams, 10% on assignment, quizzes and class participation as follows.

Allocation of Marks			
	Assessment Instruments	Wight	Mark

<b>Allocation of Marks</b>			
	<b>Assessment Instruments</b>	<b>Wight</b>	<b>Mark</b>
First Exam	Exam 1	20%	20%
Second Exam	Exam 2	15%	20%
	Group work assignment	5%	
Reports	Assignments and quizzes	5%	20%
	Project and group work assignments (presentation and jury)	10%	
	Class participation	5%	
Final Exam	Exam 3	30%	40%
	Project assessment (in form of question within the final exam)	10%	
<b>Total</b>		<b>100%</b>	<b>100%</b>

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 14 16 18	Course outline What is urban design?	Drop/ add period
2.	October 21 23 25	Historical perspectives	
3.	October November 28 30 1	Historical perspectives Project exercise 1 (group, design problem)	
4.	November 4 6 8	Urban design context	Submittal 1
5.	November 11 13 15	Urban design context	Exam-1
6.	November 18 20 <sup>+</sup> 22	Urban design methodology Project exercise 2 (context, methodology)	Exam-1
7.	November 25 27 29	Urban design principles: Character Urban design principles: Continuity, connection and enclosure Project exercise 3 (analysis)	Submittal 2
8.	December 2 4 6	Urban design principles: Quality of the Public Realm Urban design principles: Ease of Movement Project discussion	
9.	December 9 11 13	Urban design principles: Legibility Urban design principles: Adaptability/ resilience Project exercise 4 (design strategy)	Submittal 3
10	December 16 18 20	Urban design principles: Diversity Project discussion	Exam-2
11.	December 23 25 <sup>2</sup> 27	Urban design principles: Community Project discussion	Exam-2
12.	December January 30 1 <sup>3</sup> 3	Urban design and architecture: Urban facades, streets, squares Project work	
13.	January 6 8 10	Urban design and architecture: Experiencing/ Understanding urban space Project work	
14.	January 13 15 17	Urban design and architecture: Sustainability and Urban Futures	

<sup>1</sup> The anniversary of the Prophet Mohamad's birth

<sup>2</sup> Christmas

<sup>3</sup> New year

			Project work	
15.	January	20 22 24	Course consolidation	
16.	January	27 29 31	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.