



Philadelphia University
Faculty of Engineering
Department of Architecture
First semester, academic year (2018-2019)

Course syllabus

Course title: Architectural Design 3	Course code: 0660252
Course level:- - -	Course prerequisite: 0660151
Lecture time: 8:15-12:00 Mon. ,Wed.	Credit hours: 4 Hours
	Contact hours: 8 Hours
Location: Fourth Floor of the department of architecture, Hall 406	

Academic Staff

Specifics

Name	Rank	Office number and location	Office hours	E-mail address
Noor Al-huda Abu Ghunmi	Lecturer	Fourth floor, Office No. 412	As Shown	Nabughunmi@philadelphia.edu.jo
Asmaa Alsayed	Lecturer	403	As Shown	Asmaalsayed-ud@hotmail.com
Sara Drawsheh	Lecturer	311	As Shown	archsarataleeb@gmail.com

Course description:

In Architectural Design 3, issues concerning single-family residences, which are integrated in a specific urban environment of medium density, are thoroughly addressed. Residences are not seen as independent objects, but rather as integral parts of the city itself. With this in mind, ways to integrate a building into a wider built environment are sought after, and the relationships with adjacent buildings as well as topography, are explored.

In addition to architectural synthesis, the notion of materiality and construction logic issues are introduced. Changes in everyday life and social perceptions on habitation are also taken into consideration, as parameters of architectural design, and the way these translate spatially and morphologically. The learning process begins with the study of important residences, and their synthetic principles are analyzed, in the form of diagrams. Then, the design of a project which consists of a main residence, a work space and a guest house follows.

Content:

- Organization of functional activities in relation to user requirements and the site.
- Relating the system of horizontal & vertical circulation, open spaces, parking etc.
- Responding to socio-economic factors such as income levels, privacy, territoriality, socializing etc.
- Considering materials, structure and services in relation to the design proposal.
- Integration of plan forms & three dimensional compositions.
- Detailing for the physically handicapped and the elderly.

Course objectives:

Systematic introduction to issues related with the design of human habitat, its components and space standards. The objective of the studio will be on understanding residential spaces in both the urban and traditional contexts.

Teaching Activities:

Lecture, tutorial studios, assignments, presentations and discussions.

Learning outcomes:

An understanding of user needs-and its experience-and how they translate into program and manifestation in design in terms of space, materials and construction methodology in both the urban and traditional contexts.

Assessment instruments

- Exams (First, Second Exam).
- Project reviews and evaluation.
- Short reports and/ or presentations, and/ or Short research projects.
- Homework assignments.

<u>Allocation of Marks</u>	
Assessment Instruments	Mark
First examination	5
Second examination	5
Projects submissions and developments, homework assignments	50
Final Project	40
Total	100

Course/ Module academic calendar

	Course Program	Calendar	Exams
1	Introduction to Architectural Design 3 course	15/10	
2	Beginning with Project 1	17/10	
3	Review Site analysis and Case Study	22-24/10	
4	Final submission of Site analysis and Cases	29/10	
5	Began to Design with concept	13/10-5/11	
6	Day Sketch	7/11	5%
7	Designing the Project	12-21/11	
8	Pre Final submission	21/11	
9	Day Sketch	26/11	5%
10	Final submission	28/12	
11	Beginning with Project 2	3/12	
12	Site analysis and case study	5-12/12	
13	Began to Design with concept	17-19/12	
14	Designing the Project	24/12-7/1	
15	Pre final submission	9/1	
16	Final submission	16/1	

Expected workload:

On average students need to spend 5 hours of study and preparation for each 3 hours lecture/tutorial.

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.

Course/ resources:

1. Ching, F.D.K., "**Architecture: form, space and order**", John Wiley and sons, Canada.
2. Laseau, P., (1989), "**Graphic thinking for Architects and Designers**", New York Van Nostrand Reinhold.
3. Wong, W., (1993), "**Principles of form and design**", New York.