



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

Course syllabus

Course title: Architectural Design 1	Course code: 0660149
Course level: First year.	Course prerequisite (s) and/or corequisite (s):None
Lecturetime: 8:00-11:00 Tue., Thu.	Credit hours: 3 Hours
	Contact hours: 6 Hours
Location: Third Floor of the department of architecture, Hall 309	

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	11:00- 1:00 Tue., Thu	Nabughunmi@philadelphia.edu.jo

Course description:

Architectural Design 1 is the foundational design course of the Bachelor of Architectural Design. It develops knowledge and skills in Two- dimensional compositions, three-dimensional form-making and spatial composition using a variety of processes (abstraction, collage etc.). Architectural Design 1 also introduces students to human scale, movement, observation and perception, and architectural concepts and terminology.

Content:

An insight into concepts of architecture: space, form, enclosure by studying elements of design (from point to one dim. Line, tow dim. Plane and three dim. Volume), principles of design like harmony, symmetry etc., grid organization and its application.Exercises related to elements of design, and perception of space.

Course objectives:

Introduction to the basic elements and principles of design and architecture, and space articulation.

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.

Teaching Activities:

The theoretical part will be covered through lectures and discussions, lecture (two-hours) for each week that provide the necessary information. Students summarize the chapters of "Architecture: form, space and order" and discuss it during these lectures.

Teaching Methodology:

A series of small exercises and projects are used to illustrate the design basics and develop students' skills.

Learning outcomes:

By the end of the course students will gain a fundamental knowledge of architectural design, its elements and principles.

Assessment instruments

- Exams (First, Second Exam).
- Project reviews and evaluation.
- Quizzes.
- 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, quizzes, homework assignments	50
Final Project	40
Total	100

Course/ Module academic calendar

	Course Program	Calendar	Exams
1	Two dim. Line and point project	18-25/10	
2	Three dim. Wire Frame project	30/10-1/11	
3	development	6/11	
4	Final submission	8/11	
5	Two dim. Abstract project	13/11	
6	Final submission	15/11	
7	Two dim. Design project with color hierarchy.	15/11	
8	Final submission	22/11	
9	Day sketch	27/11	5%
10	Three dim. Composition from Two dim. project with color hierarchy.	29/11-4/12	
11	Final submission	6/12	
12	Two dim. Design project from Grid	6/12	
13	Day sketch	11/12	5%
14	Vocal point and cluster composition from Grid	20-27/12-1/1	
	Three dim. Horizontal layers project,		
	Three dim. Vertical layers project from two dim. Grid project		
15	Three dim. Horizontal and vertical layers project from two dim. Grid project	8/1	
16	Final submission of three projects of Grid composition design.	10/1	
17	STREP TO ARCHITECTURE (Three dim. Design project).	10-22/1	
18	Final submission	24/1	

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.