Philadelphia University

Faculty of Engineering and Technology
Department of Architecture
First Semester 2022/2021

Course Details:

Title:	Architectural Design 1 (0660149)
Prerequisite:	None
Credit Hours:	3 credit hours (16 weeks per semester, approximately 32 contact hours)
Course Logistics	Term, class location and time, notation if online
Textbook:	• Ching, F.D.K., "**Architecture: form, space and order"**, John Wiley and sons, Canada.
References:	• 2. Laseau, P., (1989), **"Graphic thinking for Architects and Designers"**, New York Van Nostrand Reinhold. • Wong, W., (1993), "**Principles of form and design"**, New York.
Course Description:	Introduces students to the elements and principles of visual design. Includes line, shape, space, value, texture, volume and color. Also includes skill development in organizing these elements and applying the visual principles of harmony, variety, balance, tension, rhythm, proportion, repetition, and contrast. Architectural Design 1 also introduces students to human scale, movement, observation and perception, and architectural concepts and terminology.
Website:	http://www.philadelphia.edu.jo/academics/lalahmad
Instructor:	Eng.Lama Alahmad **Email**: lamaalahmadnsair@gmail.com **Office**: Architectural Engineering building, office no.61-420 **Office hours**: Thu. 9:00-12:00,
TA information	**Arch. Hadeel S AlQudah** **Email**: hqudah@phialdelphia.edu.jo **Office:** third Floor of the department of architecture, Hall 406

Course Outlines:

Week	Topic	Calendar	Assignment
1	Introduction to design, courses syllabus, strategy and teaching method.	17-21/10	
2	**Design elements/ Principles and Orders** • Line and point project (2D, 3D) • Two dim Abstract project with color hierarchy	24-28/10	**Assignment #1:** Portrait and art work analysis
3	**Design organization** (linear & cluster) **Design principles** (Unity/Variety/Harmony)	31-4/11	**Assignment #2 #3:** 20 squares
4	**Design organization** (Grid & Axis) **Design principles** (contrast/ proportion/ scale)	7-11/11	**Assignment #4 #5**
5	**Design organization** (Grids/Datum/repetition)	14-18/11	**Assignment #6**

	Design principles (Symmetrical/ Asymmetrical/ Rhythm / Motion)		**Sketch design**
6	**Design organization** (Radial/ Central) **Design principles**(Repetition/ Color Analogous/ Harmonies/ balance)	21-25/11	**Assignment #7** compositions of squares, Triangles, circles **Assignment #8** Background and foreground configurations
7	Patterns of Thought Layers	28-2/11-12	**Assignment #9**
8	**Shape and mass** Natural shapes; geometric shapes; abstract shapes; nonobjective shapes; shape relationships; mass; natural and geometric masses; Mass and movement	5-9/12	**Assignment #10** **Sketch design**
9	3D composition based on Vocal point and cluster composition from Grid	12-16/12	**Assignment #11**
10	Define spaces by understanding the impact of texture, material, and color.	19-23/12	**Assignment #12**
11	**Space:** Three dim. Horizontal and vertical layers	26-30/12	**Assignment #13**
12	Development	2-6/1	**Assignment #13**
13	Three dim. Horizontal and vertical layers With experience (Development)	9-13/1	**Final project**
14	Three dim. Horizontal and vertical layers With experience (pre-final submission)	16-20/1	**Development**
15	Final project submission	23-27/1	**Final Submission**

Course Learning Outcomes:

Upon successful completion of this course, student should be able to:

1.	By the end of the course students will gain a fundamental knowledge of architectural design, its elements, organizations and principles.	A4
2.	Understanding design orders and how the design will carry on and how a designer will control his/her design. Using orders means drawing the path of the design	A1,A4
3.	Students control how design elements could be used and the relations of elements together.	A4
4.	Controlling design process as a systematic problem solving strategy, with criteria and constraints, used to develop many possible solutions to solve a problem or satisfy human needs and wants and to winnow (narrow) down the possible solutions to one final choice.	A1,A4

Assessment Guidance:

Evaluation of the student performance during the semester (total final mark) will be conducted according to the following activities:

Projects: Weekly assignment will be required and final project.

Quizzes: Two Sketch design will be conducted during the semester.

Grading policy:

First sketch design	5%
Second sketch design	5%
Projects submissions and developments, homework	50%
Final Exam	40%
Total	100%

Attendance Regulation:

The semester has in total 64 credit hours. Total absence hours from classes and tutorials must not exceed 15% of the total credit hours. Exceeding this limit without a medical or emergency excuse approved by the deanship will prohibit the student from sitting the final exam and a zero mark will be recorded for the course. If the excuse is approved by the deanship the student will be considered withdrawn from the course.