



**Philadelphia University  
Faculty of Engineering  
Department of Architecture  
1<sup>st</sup> semester, 2009/2010**

**Course Syllabus**

<b>Course Title: design 1</b>	<b>Course code: 660113</b>
<b>Course Level: 1</b>	<b>Course prerequisite (s) and/or co-requisite (s): x</b>
<b>Lecture Time:</b>	<b>Credit hours: 2</b>

**Academic Staff**

**Specifics**

<b>Name</b>	<b>Rank</b>	<b>Office Number and Location</b>	<b>Office Hours</b>	<b>E-mail Address</b>
<b>Ahmed Abu Al Haija</b>	<b>Associate Prof.</b>	<b>NO.6410/ T:2605</b>	<b>8-9 Sun 11-1 Mon 8-9 Tue 8-9 We</b>	<b>aalhaija@philadelphia.edu.jo</b>

**Course module description:**

Introduce students to design and design principles, definition elements, general and special frameworks through which architecture design composition is set.

**Course module objectives:**

- 1- To introduce students to a completely new subject, developing and making him capable to deal with design elements, principles and tools to creative thinking
- 2- To transfer students cognitive and imaginative thinking to visualize drawings that express his personality, appropriate to environment and society.
- 3- To upgrade students abilities to distinguish between alternatives and requirements
- 4- To provide students with means of communication and cognition and make him capable to present visual drawings.

**Course/ module components**

**The course consists of tow integrated parts:**

- 1- basic design**
- 2- design principle**

Both are dependents and goes at the same time, they are integral and comprehend each other directly and indirectly in studio work and related to a talk and explanation for the subject by tutors.

- **Books (title , author (s), publisher, year of publication)**

No limitations for books and publications for the subject but students will be advised to read list of publications (books, articles and web sites) as seen at the end of the course syllabus.

- **Support material:** students have to develop their architectural culture by visits to deferent home and out side cities, historical sites, cultural sites, new architectural complexes, landscapes, readings, seeing slide, video cassettes,
- **Homework and laboratory guide:** students are requested to prepare a sketch book, folder keeping, album ..etc.

**Teaching methods:**

Tacks will be given at starting time of studio; students are requested to share and prepare material related. Short time exercises and too long term projects to which students are requested to present. Students work will be evaluated throw jury system and students participation.

**Learning outcomes:**

- Knowledge and understanding  
To build up abilities in design principles means and creativity
  - Cognitive skills (thinking and analysis).  
Develop personal abilities in design and that make him capable of dealing with architectural design requirements
  - Communication skills (personal and academic).  
Architectural students will be able to communicate, read, use resources (books, magazine, web sites, etc.) related to architecture, interpret and explain their designs.
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- Practical and subject specific skills (Transferable Skills).  
The course will train architectural students and qualify them for design ideas and complexities using proper methods.

**Assessment instruments**

- Design drawings, sketches and projects are evaluated by a jury committee and instructors
- Final examination according to the following table:

<b><u>Allocation of Marks</u></b>	
<b>Assessment Instruments</b>	<b>Mark</b>
Design sketches and reports	<b>%50</b>
Project 1	<b>%30</b>
Final Jury	<b>%20</b>
Total	<b>%100</b>

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**Documentation and academic honesty**

- Students are requested to illustrate references whatever extracted from books, magazine or web sites, in order to respect the copyright protection and avoid plagiarism.

**Course/module academic calendar**

<b>Week</b>	<b>Basic and support material to be covered</b>	<b>Homework/reports and their due dates</b>
(1)	- Study plan presentation - requested instruments	
(2)	- principles of design process - appropriate sketch design	
(3)	- small sketch design	
(4)	-	
(5)	-	
(6) <b>First examination</b>	-	
(7)	- Project 1	
(8)	-	
(9)	- Small sketch design	
(10)	-	
(11) <b>Second examination</b>	-	
(12)	-	
(13)	-	
(14)	-	
(15) <b>Specimen examination (Optional)</b>	- Pre-final examination	
(16) <b>Final Examination</b>	<b>Final jury and discussion</b>	

**Expected workload:**

**On average students need to spend 2 hours of study and preparation for each 50-minute 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.**

**Module references**

**Books**

- Francis Ching, Architecture, form, space and order, John Wiley and Sons, Canada 1996
  - Baker, Geoffrey H (1993). Design Strategies in Architecture and Approach to the Analyses of Form, New York Van Nostrand Reinhold
  - Laseau, Paul (1989). Graphic Thinking for Architects and Designers. New York Van Nostrand Reinhold.
- سكوت، روبرت ، مبادئ التصميم المعماري ، دار نهضة مصر، (نسخة متوفر في قسم الهندسة المعمارية – جامعة فيلادلفيا)