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

Course syllabus

Course title: Working Drawings	**Course code: 0660334**
Course level: Third year.	**Course prerequisite (s) and/or corequisite (s): 0660323**
Lecture time: 8:10-12:00 Sun., Tue. 12:10-16:00 Tue., Thu 8:15-12:15 Mon., Wed. 12:15-4:00 Mon., Wed.	**Credit hours: 4 Hours**
	Contact hours: 8 Hours
Location: Third Floor of the department of architecture, Hall 306	

Academic Staff Specifics

Name	Rank	Office number	Office hours	E-mail address
Lama Al- Ahmad	**Lecturer**	**403**	**As Shown**	**lmoosh_85@yahoo.com**
Asmaa Alsayed	**Lecturer**	**403**	**As Shown**	**Asmaalsayyed-ud@hotmail.com**
Noor Al-huda Abu Ghunmi	**Lecturer**	**412**	**As Shown**	**Nabughunmi@philadelphia.edu.jo**
Rawan Jafar	**Lecturer**	**403**	**As Shown**	**Rawan.Jafar6@gmail.com**

Course description:

The study of working drawing concept and its importance on construction & contract process, enabling students to prepare all drawings & details to build an integrated building, by learning how to present their projects according to local building codes.

Content:

An insight into concepts of workshop drawings in architecture as required in professional practice.

Course objectives:

1- To introduce students to a completely new design theme by studying the development of multi-functional building, and making them capable to deal with design principles through modeling
2- To develop student's imagination and thinking to visualize three-dimensional drawings that express his or her personality.
3- To develop students abilities to introduce new concepts and themes.

Course/ resources:

1. Styles and Bichard, Keith and Andrew,(2004) " **WORKING DRAWINGS HANDBOOK** ", Architectural Press, Elsevier, Burlington, MA

2. علي، هشام، (2009)، **"تصميمات تنفيذية 1"**، جامعة أسيوط، قسم العمارة، مصر.

Teaching Activities:

This course is achieved through 12 hours working studios per week by specialized tutors through two projects during the semester

Teaching Methodology:

Studios over the week should provide the students with enough information to develop their projects and concepts. Students are requested to share and prepare material related. Sketch designs and long-term projects are carried out through the whole semester.

Learning outcomes:

- **Knowledge and understanding**:

To build up abilities in designing three-dimensional multi-function buildings .

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

Develop personal abilities in design

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

Architectural students will be able to communicate and interpret their own design with others

- **Practical and subject specific skills (Transferable Skills).**

This course will make the architectural students qualified to design ideas and complexities using proper methods.

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.

Assessment instruments

- Exams (First, Second Exam).
- Project reviews and evaluation.
- Quizzes.
- Homework assignments.
- Final Project

Allocation of Marks	
Assessment Instruments	**Mark**
First examination	**5**
Second examination	**5**
Projects submissions and developments, quizzes, homewo assignments	**50**
Final Project	**40**
Total	**100**

Course/ Module academic calendar

	Course Program	**week**	**Exams**
1	Preliminary works	1	
2	Site investigation	2	
3	Site investigation	3	
4	Excavations, strip foundations	4	
5	Foundations	5	
6	Framing systems **First Day Sketch**	6	5%
7	Framing systems	7	
8	The concrete	8	
9	The concrete	9	
10	The buildings	10	
11	The buildings **Second Day Sketch**	11	5%
12	Wall systems	12	
13	Blocks & bricks	13	
14	The stones	14	
15	The stones	15	
16	The steps **Final Submission**	16	40%

Expected workload:

On average students need to spend 4 hours of study and preparation for each 4 hours lecture/tutorial.