



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

Course Syllabus

Course Title: Architectural Drawing & Perspective	Course code: 660111
Course Level: 1	Course prerequisite :
Lecture Time: 9.00 – 12.00 Sun. Tue. Thu. 1.00 – 4.00 Sun. Tue. Thu	Credit hours: 3

**Academic Staff
Specifics**

Name	Rank	Office Number and Location	Office Hours	E-mail Address
Dr. Mohammed Abu Hussain	Assistant Professor	E 06410		
Eng. Malika Al-Thaher	Teacher	E 06407	9-12 Thu 1-4 mon/wen	malikadhahir@yahoo.com
Arch. Anan kakan	Teacher	E 06410	12-1 Sun. – Tue. 12- 3 Thu.	anankakani@yahoo.com

Course module description:

This course is concerned with architectural drawing techniques of different presentation methods, basic geometric drawing and architectural lettering, types of line used in architectural drawing, techniques, geometrical and perspective projections for different bodies, three dimensional drawings, isometrics, axonometric, shade, shadow and perspective (interior and exterior) in addition to.

Course module objectives:

Introduce students to the basic drawing skills required for conveying architectural ideas and to develop visualization skills using different instruments and techniques. Introduce students to perspective (interior and exterior) and to develop these skills for the presentation of ideas to others. It is also important to use these skills and ideas as part of the design process.

Course/ module components

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

There is no specific publication can cover the course syllabus, students shall be given a list of reading books, articles and web sites (as seen at the end of the course syllabus).

- **Support material:** slide projection , video cassettes and C.D. Data show
- **Homework and laboratory guide :** students are requested to prepare a sketch book in order to practice drawing using instruments and techniques, display students work

Teaching methods:

Lectures, elaboration of drawing exercises, tutorials and problem discussion regarding the technical instruments and drawings.

Learning outcomes:

- Knowledge and understanding

Student will be able to present their architectural ideas using sketches, drawings language and proper techniques.

- Cognitive skills (thinking and analysis).

Reading architectural sketches using deferent techniques. Also students will be able to express their architectural design ideas in drawings.

- 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.

- Practical and subject specific skills (Transferable Skills).

The course will train architectural students and qualify them for design ideas and complexities using proper professional language

Assessment instruments

- Architectural drawing (simple and more complex elements)
- Proper architectural sketches.
- Daily and weekly project drawing - Short home works drawing
- Final examination according to the following table:

<u>Allocation of Marks</u>	
Assessment Instruments	Mark
First examination	%15
Second examination	%15
Final examination	%20
Reports, projects, Quizzes, Home works, Projects	%50

Total	%100
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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

Week	Basic and support material to be covered	Homework/reports and their due dates
(1)	- Study plan presentation - requested instruments	
(2)	- the architectural language and symbols - application exercises	
(3)	- draw tow dimensional forms using proper instruments - descriptive geometry	
(4)	- orthogonal projection	
(5)	- application exercises	
(6) First examination	- plans, sections, elevations, projections - sketch - First examination	
(7)	- axonometric drawing	
(8)	- application exercises	
(9)	- application exercises	
(10)	- One-point Perspective	
(11) Second examination	- Sketch - One-point Perspective - Second examination	
(12)	- Tow-point perspective	
(13)	- application exercises	
(14)	- application exercises	
(15)	- Shadow - Follow up and revisions	
(16) Final Examination	Final examination	

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

- Ching, Francis – Architectural Graphics, VNR Company publishing, 1995 New York
- Claudius Coulin, Step by step perspective drawing, Julius Hoffman, New York, 1983
- مترجم للغة العربية : جيور، سمعان- منهجية الرسم المعماري، دار القبس للطباعة والنشر، بيروت 1996
(متوفر في مكتبة جامعة فيلادلفيا)
- اسكانيات، سوسن والحريستاني ربيع- فن المنظور والإظهار المعماري، دار القبس للطباعة والنشر، بيروت 1998 (متوفر في مكتبة جامعة فيلادلفيا)
- مصطفى، عباس، أساسيات الرسم الهندسي، دار الراتب الهندسة
- مطش، نبيل، الرسم الهندسي، الكلية الفنية العسكرية
- عباس، محمد صلاح، مبادئ الرسم الهندسي والتخطيطي دار الكتب العلمية، مصر ط 3
- الور، فوزي، الرسم الهندسي، دار الصفاء للنشر ، عمان 2002