



**Philadelphia University
Faculty of Engineering
Department of Architecture
First semester, 2009**

Course Syllabus

Course Title: Building Construction 2	Course code: 660232
Course Level: Second	Course prerequisite (s) and/or corequisite (s): 660111
Lecture Time:	Credit hours: 3

Academic Staff

Specifics

Name	Rank	Office Number and Location	Office Hours	E-mail Address
Mulkia Al -Dhahir	Teacher	E 06409	9-12 Thu 1-4 mon/wen	malikadhahir@yahoo.com

Course module description:

The course will explain building construction components such as floors, roofs, walls, doors, windows, stairs, and pre-fabricated building with their method of construction and finishing

Course module objectives:

Building construction is the basic for architectural students, to recognize and understand building systems, materials and components.

Course/ module components

- Theoretical lessons
- Drawing lessons
- Exercises tests
- Site visits

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

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

- **Support material:**
slide show, CD's, data show DVD's, site visits
- **Homework and laboratory guide :**
students are requested to use the theoretical lectures to produce technical drawings of the elements which compose the building and to know the using of the different construction's materials.

Teaching methods:

Lectures, study projects, exercises in the studio, practical work, slides, sites visits. Every student is obliged to draw assigned detail from the outline structure, as individual method.

Learning outcomes:

- Knowledge and understanding
Students will develop a facility in use of building materials and systems to achieve architectural objectives based on a thorough understanding of their characteristics and properties, constructional principles, detailed design consideration, and performance in use.
- Cognitive skills (thinking and analysis).
Cognitive senses using deferent techniques. Also students will be able to express their ideas in building construction.
- Communication skills (personal and academic).
Architectural students will be able to communicate, read, and use resources to develop their cognitive senses in architecture and environment.
- Practical and subject specific skills (Transferable Skills).
The course will train architectural students and qualify them in building construction principles (structures, materials, graphic conventions, technical standards of design).

Course Evaluation:

<u>Allocation of Marks</u>	
<i>Assessment Instruments</i>	<i>Marks</i>
Exercises tests	20%
First & Second Exams	40%
Final Exam	40%
Total	100%

Documentation and academic honesty

- Students are allowed to practice on free hand sketching from books for training purposes copying is not allowed.

Course/module academic calendar

**Sunday, Tuesday (from 08.00 to 09.00)
& Thursday (from 08.00 to 11.00)**

	<i>Course Program</i>	<i>Calendar</i>	<i>Exams</i>
1	Building components		
2	Floor Systems		
3	Floor Systems		
4	Floor Systems		
5	Wall Systems		
6	Wall Systems		
7	Wall Systems		First 20 Marks
8	Roof Systems		
9	Roof Systems		
10	Roof Systems		
11	Doors		20 Marks
12	Windows		Second 20 Marks
13	Curtain Walls		
14	Stairs,Esculatores,Ramps.Elevatores		
15	Stairs,Esculatores,Ramps.Elevatores		
16			Final 40 Marks

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

- Building Construction - W.B. Mc. Kay Vol. 1- 4
- The Construction of Building 2 - Barry
- Building Construction Illustrated - Francis D.K. Ching Van Nostrand Reinhold
- Construction Technology - R. Chudly Vol. 1- 4
- Materials - Mitchell's Building Construction – Alan Everett - B.T. Batsford Ltd
- Components and Finishing - Mitchell's Building Construction - Alan Everett - B.T. Batsford Ltd
- Construction for Interior Designers - Roland Ashcroft
- Building Construction Dictionary