



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

Course Syllabus

Course Title: (ACAD 2)	Course code: 660317
Course Level: 3	Course prerequisite (s) and/or co requisite (s): 660218
Lecture Time: 13-16 Sunday +Tu.	Credit hours: 2

Academic Staff
Specifics

Name	Rank	Office Number and Location	Office Hours	E-mail Address
Eng. Anan kakani	Teacher	E 06410	12-1 Sun. – Tue 12- 3 Thu	anankakani@yahoo.co
Eng. Malika Al-Thaher	Teacher	E 06409	9-12 Thu 1-4 mon/wen	malikadhahir@yahoo.com

Course module description:

The course provides for continuing the training of the student in operating CAAD programs as well as acquainting him/her with additional specific programs in such a way as to enable him/her to simulate entire design projects through the computer using AutoCAD 3D solid modeling and surface modeling.

Course module objectives:

- 1- To introduce students to using computers and architectural software such as AutoCAD.
- 2- To upgrade students abilities to distinguish between design and CAD.
- 3- To introduce students to present there projects using computer skills.

Support material: students have to develop their computer skills by using deferent sources such as , readings, making all homework's

Teaching methods:

Tacks will be given at starting time of labs; students are requested to share and prepare material related. Long time exercises and too long term projects to which students are requested to present.

Learning outcomes:

- Knowledge and understanding
To build up abilities in operating CAAD.

Assessment instruments:

- Final examination according to the following table:

<u>Allocation of Marks</u>	
Assessment Instruments	Mark
First exam	%20
Second exam	%20
H.W.	%10
Final exam	%50
Total	%100

Course/module academic calendar

Week	Basic and support material to be covered	Homework/reports and their due dates
(1)	Introduction	
(2)	Solid modeling defined	
(3)	Projects: setup and overview	
(4)	General 3d commands	
(5)	The building blocks	
(6)	First examination	
First examination		
(7)	Project	
(8)	Changing solids and operations	
(9)	2p and 1p perspectives	
(10)	Surface modeling	
(11)	Second examination	
Second examination		
(12)	General surfaces commands	
(13)	How to present a project by AutoCAD 1	
(14)	How to present a project by AutoCAD 2	
(15)	Project	
(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.

Books:

- 1.Raker, D. and Rice, H., Inside AutoCAD, NRP, UK.
- 2.Roland W., Solid Modeling with AutoCAD, 2nd E., Ventana,

3. Alf, Yarwood, 2005, Introduction to AutoCAD 2006 2D and 3D
4. Mark Dix, 2005, Discovering AutoCAD 2006