



**DEPARTMENT OF ARCHITECTURE ENGINEERING
ARCHITECTURE ENGINEERING PROGRAM, BSC.**

Course Syllabus

1. Course number and name

AR 103 Architectural Graphics I

2. Credits and contact hours

(1+4) 3 credit hours, 5 contact hours

3. Course type

Face - to - Face Learning

4. Instructor's or course coordinator's name

Dr. Reem Albarakat

5. Textbook information

1. Ching, Francis D.K - Architectural Graphics, VNR Company publishing, 2003, New York, Fourth edition.
2. Interior Design Student Handbook: Basic Drafting Standards and Symbols, Part 2, 2005, University of Minnesota.
3. American Institute of Architects, Architectural Graphic Standards, 2007, John Wiley & Sons, tenth edition.

Other supplemental materials

Instructor's notes.

6. Specific course information

a. Catalog description

To acquaint the student with equipment and instruments used in architectural drawing through simple drafting assignments based on plane geometric construction, the student is furthermore introduced to the analytical application of orthographic projection theory in drafting the planer components (vertical, horizontal) of solids. Further training involves the use of parallel projections viz. (axonometric, isometric... etc.) in drafting geometric solids, through which the student approaches architectural drafting disciplines. All this is done through a series of practical assignments carried out with drawing equipment and instruments.

b. Prerequisites or co-requisites:



FET

كلية الهندسة والتكنولوجيا
FACULTY OF ENGINEERING & TECHNOLOGY



Engineering
Accreditation
Commission

DEPARTMENT OF ARCHITECTURE ENGINEERING ARCHITECTURE ENGINEERING PROGRAM, BSC.

c. The course is:

Required in the Architecture Engineering Program.

7. Specific goals for the course

Intended Learning Outcomes:

8. Intended Learning Outcomes and their Alignment with Program learning Outcomes (PLO's) Methods of Delivery, and Assessment Methods:

Intended Learning Outcomes	Program	Method of Delivery	Assessment Method
1. Students will be able to present their architectural ideas using sketches, drawings, language, and proper techniques.	-	Lectures	Assignment
2. Students will be able to communicate, read, use resources (books, magazines, websites, etc.) related to architecture, interpret, and explain their designs.	-	Lectures	Assignment

9. Weekly Teaching Plan

Week No.	Lec.	Topic	Method of Delivery
1		Course Introduction Course objectives	Lecture
		Course Introduction Drawing sheets and equipment	Lecture
2		Sheet layout & the basic principles of drawing.	Lecture – Studio Work
		Plane geometry straight lines, circles, tangents, regular polygons, and curves.	Studio Work
3		Plane geometry straight lines, circles, tangents, regular polygons, and curves.	Studio Work
		Simple Projections Draft 2D views of 3D objects.	Lecture – Studio Work
4		Projections Draft 2D views of 3D objects.	Studio Work
		Projections Draft 2D views of 3D objects.	Studio Work
5		Isometric drawings Draft 3D views of 2D objects.	Lecture –



**DEPARTMENT OF ARCHITECTURE ENGINEERING
ARCHITECTURE ENGINEERING PROGRAM, BSC.**

			Studio Work
		Isometric drawings Draft 3D views of 2D objects.	Studio Work
6		Isometric drawings Draft 3D views of 2D objects.	Studio Work
		Isometric drawings Draft 3D views of 2D objects.	Studio Work
7		Midterm Exam	Studio Work
		2D Architectural drawings one-floor plan and site plan.	Lecture – Studio Work
8		2D Architectural drawings projecting elevations and sections of one-floor plan.	Lecture – Studio Work
		Axonometric drawings one-floor plan.	Lecture – Studio Work
9		Architectural Drawings 2D and 3D one-floor plan	Studio Work
		Architectural Drawings 2D and 3D one-floor plan	Studio Work
10		2D Architectural drawings two-floor plan and site plan. Stairs type 1	Lecture – Studio Work
		2D Architectural drawings projecting elevations and sections of two floor plan.	Lecture – Studio Work
11		Axonometric drawings two-floor plan.	Lecture – Studio Work
		Architectural Drawings 2D and 3D two-floor plan	Studio Work
12		Architectural Drawings 2D and 3D two-floor plan Stairs type 2	Lecture – Studio Work
		Architectural Drawings 2D and 3D two-floor plan	Studio Work
13		Architectural Drawings 2D and 3D two-floor plan	Studio Work
		Architectural Drawings 2D and 3D two-floor plan Lifts	Lecture – Studio Work
14		Architectural Drawings 2D and 3D two-floor plan	Studio Work
		Final exams 40%	Studio Work

1. Grade Distribution:

Assessment	Grade	Week No.
Midterm Exam	30%	7 th Week
Assignments (Quiz, Attendance, Homework.)	30%	1-16 th Week



FET
كلية الهندسة والتكنولوجيا
FACULTY OF ENGINEERING & TECHNOLOGY



Engineering
Accreditation
Commission

**DEPARTMENT OF ARCHITECTURE ENGINEERING
ARCHITECTURE ENGINEERING PROGRAM, BSC.**

Final Examination	40%	16 th Week
-------------------	-----	-----------------------

Note: Make-up exams will be offered for valid reasons. It may be different from regular exams in content and format.