



**FET**  
كلية الهندسة والتكنولوجيا  
FACULTY OF ENGINEERING & TECHNOLOGY



Engineering  
Accreditation  
Commission

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

### Course Syllabus

**1. Course number and name**

AR 105 Freehand sketching

**2. Credits and contact hours**

(0+4) 2 credit hours, 4 contact hours

**3. Course type**

Face to face education

**4. Instructor's or course coordinator's name**

Dr. Reem Albarakat

**5. Textbook information**

Mike W.Lin, ASLA- Drawing and Design with Confidence .A Step-By-Step Guide. Jon Wiley and sons, INC. New York, 1992

Mike W.Lin, ASLA- Architectural rendering techniques. A Color Refrens. Van Nostran Reinhold. New York. 1985.

Paul Laseau. Watercolor sketching. W.W. Norton & Company. New York. 2012

Braen Edvards- Understanding Architecture Through Drawing. E and FN Spon. London. 1994

Robert W. Gill- 2003- Rendering with pen+ ink-.

Charlotte & Peters Fiell- 2003- Graphic Design for 21 st Century

Ching- A Visual Dictionary of Architecture- Wiley-Academy- 2005

Leonard J Hopper and Martha J Droge- Security and Site Design- A Landscape

Architectural to Analysis, Assessment and Design Implementation- Wiley-Academy- 2005

David Dabner and Alan Swann -Graphic Design. School-A Foundation Course in the Principles and Practices of Graphic Design Third Edition Wiley-Academy- 2004



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Elizabeth Resnick-Design for Communication-Conceptual Graphic Design  
Basics-Massachusetts College of Art, Wiley-Academy -Boston-2003

Michael E. Doyle-Color Drawing-Design Drawing Skills and Techniques for  
Architects, and Interior Designers -Wiley-Academy-Cloth-1999

**a. Other supplemental materials**

Instructor's notes

**6. Specific course information**

**a. Catalog description**

This course is to learn how to see and draw accurately by means of various material, techniques and concept of drawing. This course will develop the student's ability to utilize various materials while enhancing the ability to see a subject in a three dimensional space and translate the visual experience both objectively and subjectively to a two dimensional surface.

This is done by slide shows, visits to art galleries and filing art news.

**b. Prerequisites or co-requisites**

-

**c. The course is:**

Required in the Architecture program.

**7. Specific goals for the course**

**a. Intended Learning Outcomes:**

After studying this course the student should be able to:

**A. Knowledge and Understanding ( student should ) :**

- A1. The student will generate two-dimensional drawings through the analysis of their perception of three-dimensional objects or fields, using a viewfinder, grid, and projector
- A2. The student will construct a dynamic portfolio of drawings pensile, water-color, using charcoal, ink, and mixed tools that incorporate the visual principals of design
- A3. The student will compile fundamental sketching techniques, and course notes in a sketchbook



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**B. Cognitive and Intellectual Skills :**

- B1. The student will create a portfolio of their work
- B2. Discussion of works of art
- B3. Design and presentation of the art news book

**C. Subject specific skills :**

- C1. To develop the ability to draw visual information through skills of traditional methods of drawing.
- C2. To become familiar with materials and be able to utilize them effectively.
- C3. Development of skills needed to observe proportion.
- C4. To develop the ability to depict, describe and manipulate space and composition.
- C5. To learn the appropriate vocabulary and terms, and to develop a personal visual refinement.

**8. Intended Learning Outcomes and their Alignment with Methods of Delivery, and Assessment Methods:**

Learning Outcomes	Program PEOs	Method of Delivery	Assessment Method
<b>Course Outcomes</b>			
The student will generate two-dimensional drawings through the analysis of their perception of three-dimensional objects or fields	1.3.2	Studio and Lectures	Final Exam
A2. The student will construct a dynamic portfolio of drawings pensile	1.1 + 1.2.1	Studio	Assignment
A3. The student will compile fundamental sketching techniques	1.1.4 +1.3.8+1.3.9	Studio	Assignment & Final Sub.
<b>Cognitive and Intellectual Skills</b>			
B1. The student will create a portfolio of their work	1.1.4	Studio	Final Exam
B2. Discussion of works of art	1.2.1 +1.2.2 +1.4.4	Studio	Assignment
B3. Design and presentation of the art news book	1.3.2	Studio	Assignment
<b>Subject specific skills :</b>			



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C1. To develop the ability to draw visual information through skills of traditional methods of drawing.	1.2.1 +1.2.2 +1.4.4	Studio and Lectures	Assignment
C2. To become familiar with materials and be able to utilize them effectively.	1.1.1	Studio and Lectures	Assignment
C3. Development of skills needed to observe proportion.	1.3.2	Studio	Final Exam
C4. To develop the ability to depict, describe and manipulate space and composition.	1.1.4	Studio	Final Exam
C5. To learn the appropriate vocabulary and terms, and to develop a personal visual refinement.		Studio	Mid Exam

**9. Weekly Teaching Plan**

Week No.	Lecture	Topic	Method of Delivery
1		General Introductions, syllabus, Sketching different lines strait and curved (drawing pencils)	Lecture +Studio
		Value & Line, Contour drawing Drawing geometry objects: Cube, Pyramid (drawing pencils)	Lecture +Studio
2		Value & Line, Contour drawing Drawing geometry objects: Cube, Pyramid (drawing pencils)	Studio
		Geometry shapes drawing Cylinder, Bowl (drawing pencils)	Lecture +Studio
3		Geometry shapes drawing Cylinder, Bowl (drawing pencils)	Studio
		Two Point Perspective(cube) Drawing different perspective views of cube (drawing pencils)	Lecture +Studio
4		Two Point Perspective(cube) Drawing different perspective views of cube (drawing pencils)	Studio
		Drawing still life geometry objects: Drawing one basic composition that should include geometry objects (drawing pencils)	Lecture +Studio
5		Drawing still life geometry objects: Drawing one basic composition that should include geometry objects (drawing pencils)	Lecture +Studio
		Drawing still life organic objects Shading and Texture (metal, wood, glass, concrete...) (drawing pencils)	Studio



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6		Drawing still life organic objects Shading and Texture (metal, wood, glass, concrete...) (drawing pencils)	Lecture +Studio
		Two - Point Perspective-How to Use Linear Perspective. Human Figures, sketching of building, exterior perspective (drawing pencils)	Lecture +Studio
7		Two - Point Perspective-How to Use Linear Perspective. Human Figures, sketching of building, exterior perspective (drawing pencils)	Studio
		Exterior and landscape drawings: Draw exterior perspective for a building or public space including figures (drawing pencils)	Studio
8		Exterior and landscape drawings: Draw exterior perspective for a building or public space including figures (drawing pencils)	Studio
		MID Exam	Studio
9		Color Theory, the Element of color, primary colors, tone and shade... Drawing still life organic objects representing light and textures (water)	Lecture +Studio
		Color Theory, the Element of color, primary colors, tone and shade... Drawing still life organic objects representing light and textures (water)	Studio
10		Color Theory, the Element of color, primary colors, tone and shade... Drawing still life organic objects representing light and textures (water)	Studio
		Exterior and landscape drawings: Draw exterior perspective for a building or public space including figures (water	Lecture +Studio
11		Exterior and landscape drawings: Draw exterior perspective for a building or public space including figures (water	Studio
		Drawing still life organic objects	Lecture +Studio
12		Drawing still life organic objects	Studio
		Drawing mask (drawing pencils)	Lecture +Studio
13		Drawing mask (drawing pencils)	Lecture +Studio
		Interior: Draw interior perspective one vanishing point (drawing pencils)	Lecture +Studio
14		Interior: Draw interior perspective one vanishing point (drawing pencils)	Studio
		Realistic drawing, perspective exterior (water-color, aquarelle)	Lecture +Studio



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15		Realistic drawing, perspective exterior (water-color, aquarelle)	Studio
		Realistic drawing, perspective exterior (water-color, aquarelle)	Lecture +Studio
16		Final Exam	Studio

**1. Grade Distribution:**

Assessment	Grade	Week No.
Mid Exam	30%	8 <sup>th</sup> Week
Semester works & assignment	30%	15 <sup>th</sup> Week
Final submission	40%	16 <sup>th</sup> Week

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