



Department of Architectural Engineering
College of Engineering
University of Cihan - Sulaimaniya

Subject: Freehand Drawing

Course Book – Year 1

Lecturer's name: MSc.Musaab Sami Younus

MSc.Karzan Jalal Saadoon

Academic Year: 2015/2016

Course Book

1. Course name	Freehand Drawing
2. Lecturer in charge	MSc.Musaab Sami Younus MSc. Karzan Jalal Saadoon
3. Department/ College	Architecture/ Engineering
4. Contact	e-mail: arch.musaabsami@gmail.com karzanarch@yahoo.com Tel: 07502319265
5. Time (in hours) per week	Practical: (3) hours
6. Office hours	Full time
7. Course code	
8. Teacher's academic profile	MSc.Musaab Sami Younus Bachelor of architecture from Mosul University/Iraq Master of Architecture from University Technology Malaysia (UTM)/Malaysia MSc.Karzan Jalal Saadoon Bachelor of architecture from Koya University/Sulaymania/Iraq Master of Architecture from Anhalt University/Germany
9. Keywords	Station point, Eye level, Board control, Perspective, Vanishing points, Measuring the proportions, Freehand sketch, presentation.
10. Course overview:	A freehand drawing is simply a drawing done by hand without the use of tools or aids such as templates, stencils, etc. This craft is essential for any designer and architect. It is act of drawing that shows how to see and observe. It gives in seeing and recording forms accurately, cultivates the feeling for relative proportions and shapes. It helps develop spatial imagination. It is a method of developing the see critically affects the way of thinking. Freehand drawing trains the eye to believe what it sees as the observer tries to map that in a drawing. Accordingly, the architect must always keep in mind what the actual

appearance will be of a form. Besides, it develops the sense of the third dimension. As the architect works out on paper, which has only length and breadth, his designs for buildings, which are to have length, breadth, and thickness. Hence, freehand drawing is obliged to visualize and to see with the mind's eye the thickness of forms. Moreover, freehand drawing is a methodology to learn and develop skills for sketching for architects. The sketch in perspective is vital in design presentations. Hence, it is important in making any kind of a rapid sketch, either of a whole building or interiors or details, whether from nature or in the study of plans and elevations. Furthermore, techniques of presentation by pencil.

11. Course objective:

There are essential objectives that should be accomplished in freehand drawing courses for the second year students:

- Develop the students' sense of how to see and observe, and then record accurately.
- Raise the awareness of scale, proportion and dimension of objects.
- Cultivate the feeling for relative proportions and shapes in a composition. Use the technique of measuring the proportion of a model by analyzing the location of its lines in relation to each other, and analyzing the angles of the vanishing points.
- Develop students' spatial imagination.
- Learn and develop skills for sketching for architects.
- Learn and develop an appropriate techniques of hatching to show shadow, shade and texture of objects

12. Student's obligation

The role of students and their obligations throughout the academic year are in respect to their attendance, completion of all tests, exams, and the homework given to them.

13. Forms of teaching

The students will use boards of freehand drawing inside the studio. A model from cubes, cylinders and geometric objects will be formed differently every lecture by the lecturers towards improving and developing the students' skills.

Some important notes will be provided for students by lecturer.

14. Assessment scheme

Course Assessment	Term Tests	Homework	Presence and class-works	Final Exam
	As (20 %)	As (20 %)	As (40%)	As (20%)

15. Student learning outcome:

Throughout freehand drawing course, some learning outcomes should be

acquired by the students that meet the objectives of this course:

- The students should be able to observe the shapes and objects, and record the scale and proportion and dimension accurately.
- The students should be able to analyze and measure the relative proportions of the shapes and objects in a composition. They should be able to analyze the location of the lines in relation to each other in the model, and analyze the angles of the vanishing points.
- The students should be able to imagine the spatial composition of the model. Then, this will help the students to imagine their spatial spaces of their design composition.
- The students should be able to draw sketch quickly.
- The students should be able to present their drawing by hatching techniques, besides, show shadow, shade and texture of objects.
- The students should be able to present their drawing using techniques by pencil.
- The students should be able to use drawings done by hand in architectural design.

16. Course Reading List and References:

▪Key references:

Freehand drawing for architecture, freehand sketch for architecture.

▪Useful references:

- Freehand Drawing for Architects and Interior Designers. by Magali Delgado Yanes , Ernest Redondo Dominguez, Maria Fleming Alvarez (Translator)
- Understanding Architecture Through Drawing, Second Edition. by Brian Edwards
- Architectural Drawing Course: Tools and Techniques for 2D and 3D Representation 1st Edition. by Mo Zell
- Freehand Sketching. by Paul Laseau
- Freehand Sketching an Introduction. by Paul Laseau

17. The practical Topics:

Lecturer's name

This lecture will be given with three hours duration on Tuesday. There are two groups of students. The first year students will take the lecture from 11:30am until 2:30pm on Tuesday.

MSc.Musaa
b
MSc.Karzan

no	Topic	Objectives	Date
1	Draw a simple model by	Learn the principals of freehand drawings, including:	3/1/2016 (3) hours

	pencil.	<ul style="list-style-type: none"> •The relation between eye level and station point with the perspective. •Control the board of drawing. By mean, the right way of sitting to observe the model along with controlling the board of drawing without moving the head. •Hold the pen, and sharp it. • Fix the paper on the board in proper height to the eye level. •Analyze the model. Understand the relations and proportion between the lines. •Center the drawing in the paper •Measure the proportion of the lines. •Measure the angles of the vanishing points. •The principles of hatching technique. 	
1	Introduction to the essential principles of freehand drawing.	<p>Learn how to control the pencil. How to stand and use the board of drawing. Understanding the vanishing points, and hence how to draw vanishing lines. Lear how to measure the proportion by using pincle.</p>	21/12/2015 (3) hours
2	Draw lines and primary shapes by pencil.	<p>Improve the students' skills of drawing. Understanding and practicing the principals of freehand drawing.</p>	27/12/2015 (3) hours
3	Draw simple composition of shapes.	<p>Improve the students' skills of measuring the proportion of the shapes, and vanishing angles.</p>	3/1/2016 (3) hours
4	Draw simple composition of shapes and presenting it by hatching technique.	<p>Improve the students' skills and understanding of the principals of freehand drawing. Learn the panicle hatching technique. Learn how realize the tone of shadow of the surfaces of the shapes. Learn how to express the texture of the different materials by hatchning.</p>	10/1/2016 (3) hours

5	Draw a model by pencil.	Improve the students' skills of drawing and hatching.	17/1/2016 (3) hours
6	Draw a model by pencil.	Improve the students' skills of drawing and presenting the cylinders.	24/1/2016 (3) hours
7	Draw a model by pencil.	Improve the students' skills of drawing and presenting the cylinders and jugs.	31/1/2016 (3) hours
8	Draw a model by pencil.	Improve the students' skills of drawing and presenting the glass.	7/2/2016 (3) hours
9	Draw a model by pencil.	Improve the students' skills of drawing and hatching.	14/2/2016 (3) hours
10	Draw a project by pencil.		21/2/2016 (3) hours

18. Examinations:

The exam will be practical inside the studio where the students have to draw and present a given model.

19. Peer review

This course will contribute in developing the students' skills of sketch, and accordingly, their ability of illustrate and present their architectural ideas in architectural design.