



University/Academy: Arab Academy for Science, Technology & Maritime Transport
Faculty/Institute: College of Engineering & Technology
Program: B.Sc. Architectural Engineering and Environmental Design

Form no. (12): Course Specification

1- Course Data

Course Code: AR 324	Course Title: Introduction to Sculpture	Academic Year/Level: 3rd year / 5th semester
Specialization: Architecture	No. of Instructional Units Credit 2 Lecture 1 Tutorial 3	Prerequisite None

2- Course Aim

The course introduces the students to the fundamentals of art in three-dimensional form. Students learn relevant terminologies and are introduced to basics of shape, volume, light, texture, color and value. During the course, they are introduced to materials: clay, plaster, wood, stone, metal ...etc., techniques, tools and their selection, proper usage and finishing.

The course aims to:

- Develop a sense of creation through sculpting.
- Increase the student's awareness of the art of sculpting and of the importance of malleable materials.

3- Intended Learning Outcomes

a- Knowledge and Understanding	Through knowledge and understanding, students will be able to: <ul style="list-style-type: none"> • Record different materials and techniques in the art of sculpture. • Distinguish general concepts which exist in both art and architecture. • Identify different sculpture methods such as additive, subtractive substitutive and manipulative.
b- Intellectual Skills	Through intellectual skills, students will be able to: <ul style="list-style-type: none"> • Differentiate between various sculpture techniques. • Create good architectural designs. • Express their ideas creatively.
c- Professional Skills	Through professional and practical skills, students will be able to: <ul style="list-style-type: none"> • Apply various techniques on still life, architectural elements and different materials. • Practice different techniques of sculpture using a variety of materials and techniques, as well as being able to select the media suitable for a specific task. • Make use of the basic concepts used in sculpting throughout the course of the graduate's professional careers. •
d- General Skills	Through general and transferable skills, students will be able to: <ul style="list-style-type: none"> • Make use of the sculpture workshop and reaping benefits in the development of students' individual skills and self-expression.

4- Course Content

- Week No.1** Introduction to the art of sculpture, its techniques and its development through the ages.
- Week No.2** Practical training forming geometric volumes (cones, spheres, cylinders)
- Week No.3** Modeling study of human portrait
- Week No.4** Modeling study of standing figure in plasticine using an armature.
- Week No.5** Modeling study of selected natural element, fruits, bones, shells.....etc
- Week No.6** Modeling study of animal forms
- Week No.7** Free expressive study on a selected subject (related to the previous studies)
- Week No.8** Study of the process of plaster casting
- Week No.9** A free modeled project in plasticine with previous sketches and design
- Week No.10** Study of direct modeling in plaster of Paris on a special armature
- Week No.11** Study of Relief sculpture; definition, types and historical development
- Week No.12** A practice on relief modeling with plasticine
- Week No.13** Study of sculptural relief by cutting directly in a plate of plaster
- Week No.14** Designing and executing relief for restricted geometric planes
- Week No.15** Free modeling project (every student has the choice of any of the previous techniques & material for the final estimation)

5- Teaching and Learning Methods

The course comprises a combination of:
Lectures, studio work and field trips. Studio work includes production of sculptures both figurative and abstract in different materials. Contemporary movements in sculpture are examined through slide lectures and visits to exhibitions.

6-Teaching and Learning Methods for Students with Special Needs

- Consulting with lecturer during office hours.
- Consulting with teaching assistant during office hours.
- Private sessions for redelivering the lecture contents.
- For handicapped accessibility, please refer to program specification.

7- Student Assessment

Asses No.	Procedures used		Start Week No.	Subm. Week No.	Weighting of Asses.
	Type	To assess			
1	Workshop	Knowledge and understanding	4	4	10%
2	Workshop	Practical skills	6	6	10%
3	Workshop	Practical skills	8	8	10%
4	Workshop	Practical skills	9	9	5%
5	Workshop	Practical skills	10	10	5%
6	Project	All skills	12	12	10%
7	Workshop	Practical skills	14	14	10%
8	Final project	Knowledge and intellectual skills Practical skills	15	15	40%
Total					100%

8- List of References:

a- Course Notes	Notes are handed out to students at weekly intervals.
b- Required Books (Textbooks)	N/A
c- Recommended Books	<ul style="list-style-type: none"> • FRANKFORT, Henri, The Art and Architecture of the Ancient Orient, New Haven: Yale University pr.,1996. • KARNOUK, Liliane, Contemporary Egyptian Art, Cairo: American University in Cairo Pr. - 1995. • OCVIRK, OttoG. Art Fundamentals, Theory & Practices, 8th Ed. Mcgraw Hill. U.S.A - 1998. • مجموعة كتاب محيط الفنون (1) الفنون التشكيلية، دار المعارف
d- Periodicals, Web Sites, etc.	<ul style="list-style-type: none"> • Henry Russell, The Pelican History of Art - Pinguin Books - 1971. • Howard,Deborah. VENICE & THE EAST - Yale University Press - New Haven & London.2000. • Michael, Schuyt. Joost, Elffers - Fantastic Architecture - Thames and Hudson - London-1980. • Edwardes,Michael - Great Buildings of the world Indian Temples and - Palaces - Poul Hamlyn - London - 1969.