

ARV 122 3-Dimensional Design I

The Department of Visual Arts, Greenville Technical College, Greer Campus

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Prerequisites: ARV 121 Design, ART 111 Basic Drawing I
Credit Hours: 3

Required Texts

Shaping Space, second edition, Zelanski and Fisher

Course Description

This course is a foundation design course that examines the principles, theory, techniques and materials of three-dimensional form, space, and structure.

Course Purpose

1. To teach students to utilize basic design principles and by-products through verbal, visual, research and hands-on practice.
2. To teach students to analyze and evaluate their own artwork.
3. To communicate individual content visually, verbally and in writing, in language and processes specific to sculptural form.
4. To provide a 3 dimensional design introductory college-level visual communications course.

Course Objectives

Students who complete this course with at least 70% competency will:

1. Demonstrate facility on the basic uses of sculptural materials and tools by the workmanship used in completing 7 finished projects.
2. Demonstrate the ability to vary ways of interpreting seen, imagined, and symbolic content by choices of subject matter made in 7 finished projects.
3. Demonstrate comprehension of compositional arrangement of 3-dimensional spaces by arranging negative and positive spaces in 7 finished projects.
4. Demonstrate beginning level proficiency in the processes specific to sculpture (carving, modeling, construction, drawing).
5. Demonstrate the development of problem-solving skills by planning successful approaches to the design of 7 finished projects.
6. Demonstrate respect for the machinery and chemicals used in the production of 3-dimensional work by the choices made in safety apparatus, safe handling of chemicals, and the safe operation of tools and machines throughout the semester.
7. Demonstrate utilization of textures and surfaces by producing a wide range of textures and surfaces in 7 finished projects.
8. Demonstrate many roles of shape, form, and mass by the choices made in 7 finished projects
9. Demonstrate the differences in organic and geometric form by modeling in 7 finished projects.
10. Demonstrate individual communication through sculptural form by the subject mater choices made on 7 finished projects, and by the explanations and verbal descriptions given in critique-related discussions.
11. Demonstrate an acute increase in observation skills evidenced by increased accuracy of form making in the course of producing 7 finished projects.
12. Demonstrate development of descriptive and analytical verbal skills about sculpture through using appropriate terminology in critiques and questions.
13. Demonstrate the application of terminology appropriately in written descriptions by passing of an objective terminology test, and by writing a subjective statement about the work done this semester.
14. View various applications for sculptural skills by taking part in class discussions, watching films and images related to different approaches to sculpture.
15. Use appropriate archival materials for adequate preservation and presentation of final portfolio.
16. Plan appropriate staging for final portfolio presentation.

Course Requirements

1. The instructor reserves the right to alter the course direction, as class needs dictate.
2. Mandatory punctual and complete attendance.
3. Spending time outside of class working on preliminary sketches and projects.
4. Participation in discussion and critiques.
5. Turning in projects and sketches on or before the critique day for grading. All assignments will have a 20 point deduction per late recorded class. The deduction will occur after the normal grading is completed. Getting projects in by the due date is required.
6. A missed critique will result in a grade of "0" for presentation.
7. The instructor reserves the right to alter the course direction, as class needs dictate.
8. Professional, courteous, adult behavior.
9. Adherence to the following safety rules:
 - a. Eye and ear protection must be worn around equipment.
 - b. No open toed shoes allowed.
 - c. No one is allowed to use electrical equipment without the instructor or lab assistant present.
 - d. No one is allowed in the lab without a "buddy".
 - e. No plaster in sinks.
 - f. No clay in sinks.
 - g. No hardened steel on cold cutting apparatus.
 - h. No frayed or loose clothing, loose hair, jewelry, etc. around equipment.
 - i. Inform the instructor IMMEDIATELY if someone is misusing equipment; if someone has even the slightest doubt about how to use the equipment, tools or materials, and if anyone has been injured in class.
9. Cleaning up after every work session, even if the intention is to stay after class to work additional hours. No discussion about this.

Grading and Evaluation

(100 total points)

70% 6 sculptural projects

10% 1 documentary journal

10% 1 terminology test

5% Research and Gallery Paper

5% Class Participation

Projects, Exercises, Sketchbook

- PROJECT 1 (Line Wire) Study sketches/ Idea/Plans
PROJECT 2 (Bas Relief) Study sketches/Idea/Plans
PROJECT 3 (Carving into Mass) Study sketches/Idea/Plans
PROJECT 4 (Repeated Element Form) Study sketches/Idea/Plans
PROJECT 5 (Armature Reinforced Form) Study sketches/Idea/Plans
PROJECT 6 (Denied Space Mass/Transparency) Study sketches/Idea/Plans

Materials List (collect as needed for each project)

1. Variety of wire sizes
2. Needle-nose pliers
3. Wooden box for clay
4. Clay tools
5. Oil paint
6. Soapstone, alabaster, or basswood or 20 lbs. No. 1 modeling plaster
7. Trash can
8. Cooking pan
9. Cold chisels
10. Toothed chisels
11. Sculptural hammer
12. Sandpaper 400 lb.-100 grit
13. 6 Pieces of plexi-glass,
14. Child's plasticine clay
15. Sackcrete concrete batcher
16. Reinforcing wire or styrofoam
17. Copper pieces
18. Rivets
19. Folders for journal
20. Transparent/translucent materials