ART 5B: 3-D FOUNDATIONS

Foothill College Course Outline of Record

Heading	Value
Effective Term:	Summer 2025
Units:	4
Hours:	3 lecture, 3 laboratory per week (72 total per quarter)
Degree & Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Area 3: Arts & Humanities
Transferable:	CSU/UC
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

Student Learning Outcomes

- A successful student will be able to organize elements in three dimensions.
- A successful student will be able to evaluate art works in three dimensions using objective criteria.
- A successful student will be able to use various methods to construct forms in three dimensions.
- A successful student will be able to diagram three dimensional objects in two dimensional drawings.

Description

Introduction to the concepts, applications, and historical references related to three-dimensional design and spatial composition, including the study of the elements and organizing principles of design as they apply to three-dimensional space and form. Development of a visual vocabulary for creative expression through lecture presentations and use of appropriate materials for non-representational three-dimensional studio projects.

Course Objectives

The student will be able to:

1. Identify and understand the formal elements and organizing principles of three-dimensional art
2. Independently produce objects, forms, and problem-solving projects that successfully incorporate the basic elements and organizing principles of three-dimensional art
3. Discuss, describe, analyze, and critique three-dimensional works of art through references to the formal elements and principles of design
4. Make individual aesthetic decisions and judgments related to their own design work
5. Translate ideas and visual experience into tactile forms objects, using both formal and conceptual approaches
6. Recognize the presence of specific design elements and principles in works of art, as well as in the everyday physical world around them, throughout history and across cultures
7. Compose in three dimensions and work with a variety of media which may include but is not limited to clay, wood, metal, paint, plaster, paper, fibers, mixed media, and in the use of digital technology, such as 3-D scanners and printers in an appropriate and safe manner

Course Content

1. Fundamental theoretical concepts and terminology common to all three-dimensional art and design activities, including the elements of design, which may include line, shape, form, space, value, texture, and color
2. Organizing principles of three-dimensional design, which may include balance, proportion, repetition, variety, scale, and emphasis
3. Problem-solving visual exercises that develop three-dimensional awareness and require exploration and manipulation of the basic three-dimensional elements
4. Dynamic relationships of three-dimensional elements and organizing principles
5. Introduction to a variety of three-dimensional materials and techniques
6. Translation of ideas or visual experience into tactile forms, using both formal and conceptual approaches
7. Evaluation and critique of historical examples of three-dimensional design from various cultures, historical periods, and aesthetic sensibilities
8. Written assignments and/or exams in which students must clearly articulate comprehension of the basic elements and principles of three-dimensional design
9. Critical evaluation (practical, written, and/or oral) of three-dimensional works through references to formal elements and principles of design
10. Contemporary trends, materials, and approaches in three-dimensional design

Lab Content

1. Problem-solving visual exercises that develop three-dimensional awareness and require exploration and manipulation of the basic three-dimensional materials
2. Studio projects that explore the elements and organizing principles of three-dimensional design
3. Development of skills and processes using a variety of artistic materials, techniques and tools appropriate to an introductory study in design, which may include paper, wood, plaster, wire, metal, clay, fibers, mixed media, etc.
4. Participation in group and individual critiques

Special Facilities and/or Equipment

1. When taught on campus: a 24" x 30" table space will need to be available for each student.
2. When taught via Foothill Global Access: on-going access to computer with email software and hardware; email address.

Method(s) of Evaluation

Methods of Evaluation may include but are not limited to the following:

Portfolio review: each design will be evaluated for technical ability, craftsmanship, and personal creative and conceptual approaches
Critiques
Written essays
Written participation in lectures of historical and contemporary three-dimensional works of art
Three-dimensional design revisions

Method(s) of Instruction

Methods of Instruction may include but are not limited to the following:

Lecture presentation using the language of the principles and elements of design
Discussion using the language of the principles or element of design
Demonstration of using three-dimensional design tools, techniques, and methods
Critique and group presentation of major projects followed by in-class discussion and evaluation

Representative Text(s) and Other Materials

Stewart, Mary. Launching the Imagination, 4th ed.. 2011.

Wong, Wucius. Principles of Form and Design. 1993.

Luecking, Stephen. Principles of Three-Dimensional Design. 2002.

Zelanski, Paul, and Mary Pat Fisher. Shaping Space: The Dynamics of Three Dimensional Space, 3rd ed.. 2006.

Although these texts are older than the suggested "5 years or newer" standard, they remain seminal texts in this area of study.

Types and/or Examples of Required Reading, Writing, and Outside of Class Assignments

Make a three-dimensional design that uses one of the principles of design (balance): read and research contemporary three-dimensional works of art that use balance; write an essay or paper describing the artwork; write a self critique describing the process of making a design.

Discipline(s)

Art