

ARC 251: DESIGN I: CONCEPT

4 credits

Course Description: Introduction to the basic principles and elements of design by means of practical and abstract applications. Development of two- and three-dimensional solutions and presentations for conceptual design problems. Emphasis is on three-dimensional thinking and communication. Prerequisite: ARC 122. Restricted to major. Studio Fee: \$48.

Course Goals and Objectives:

The intent of this course is to introduce basic design elements and principles through hands-on experience. Upon completion of this course, the student will:

1. Be able to recognize and gain successful experience in the application of the principles and elements of design.
2. Become familiar with design principles and elements, and the terminology required, as related to the built environment.
3. Become familiar with and competent in the two- and three-dimensional presentation of abstract and practical design solutions to assigned problems.
4. Become competent in the organization of research and the discussion of design principles and elements.
5. Be able to complete and present assigned studio projects to instructor's satisfaction.
6. Understand the fundamentals of visual perception and the principles and systems of order that inform two- and three-dimensional design, architectural and interior design composition, and urban design.
7. Become aware of issues relating to the basic relationships between design and the environment.

NAAB Student Performance Criteria:

A.1: Communication Skills **A.2:** Design Thinking Skills

A.6: Fundamental Design Skills **A.7:** Use of Precedents **A.8:** Ordering Systems Skills

Topical Outline

Percentages of Time

I. Introduction and Orientation	5%
II. Point, Line, Shape, Form	10%
III. Unity and Variety	15%
IV. Rhythm, Texture, Emphasis and Space	20%
V. Proportion and Function	20%
VI. Final Project	30%

Textbooks:

Bevlin, M. *Design through Discovery*. 6th ed. Orlando, FL: Harcourt Brace & Co., 1994.

Ching, F. *Architecture: Form, Space and Order*. 2nd ed. New York: Van Nostrand Reinhold, 1996.

Offered: Fall semester

Faculty: Yeshayahu, Wessel, Vera