

## 3D CONCEPTS – ART FUNDAMENTALS CERAMICS

### ART2757 – 3D Conceptualization

3D Concepts is a required course to be taken by all SAAH students in their first year of study. This course is an introduction to three dimensional form and design concepts using ceramic materials and processes. The projects investigate three dimensions and visual dynamics including a study of form, space, color and light, texture, composition, and structure. Low fire technology, hand forming techniques, an introduction to glazing, and electric kiln firing processes support the development of an understanding of 3D fundamentals. In addition, students strive to develop critical thinking and research skills.

#### OBJECTIVES:

- To understand and develop a working knowledge of 3D design concepts
- To effectively generate, organize, and communicate ideas in full 3D space.
- To explore form, the meaning of structure, spatial design, surface, color and light, proportion and composition, function, and content.
- To increase knowledge of technical skills, processes and materials relating to three-dimensional space.
- To develop critical thinking and research skills

#### TOPICS:

- Line and plane
  - Composites
  - Connectors
- Volume and Mass
- Structure
- Balance
- Meaning of structure, form, and function
- Space
  - Intervention (exterior relationships)
  - Interiority
- The Surface
  - Color
  - Light
  - Texture
- Materiality
- Composition and Proportion
- Scale
- Model building for preliminary ideation

#### REQUIRED TEXTS:

- Launching the Imagination: Comprehensive (2D, 3D, and 4D) with CD-ROM, by Mary Stewart
- Understanding Three Dimensions, authors Block and Leisure. Prentice Hall Publishers. ISBN 0-13-937202-4
- Make It in Clay: A Beginner's Guide to Ceramics, by Charlotte F. Speight and John Toki Mayfield Publishing Company. ISBN: 1559346329