

VRTS 104C : Three-Dimensional Design

Introduces the technical and conceptual elements for the organization and development of 3-D structures. Beginning projects will address the basic elements needed to explore a variety of approaches relating to form and space, then move to more complex issues involving the relationships between form and function.

Credits 3

Lab/Practicum/Clinical Hours 3

Lecture Hours 2

Learning Outcomes

- Understand the design process by creating unique solutions to complex 3D design problems.
- Recognize and apply 3D design principles.
- Understand materials and construction techniques and how to use tools correctly and safely.
- Understand the plastic properties of clay and plaster including how to mix plaster correctly, make molds, and use positive casting techniques, direct carving, and additive and subtractive modeling techniques.
- Understand cross sectional analysis of organic and mathematical forms, the enlargement process, slice form pop up kinetic design, and planal analysis of complex organic forms.