

Course # 244 Modeling and Casting

Credit Hours: 3 Hrs

Scheduled hours per week

6 studio hours per week

Catalog Course Description:

Modeling and casting the human form in clay, plaster, wax, and metals.

Pre-requisites: Art 240, Art 121

Co-requisites: List

Course Learning Outcomes:

- The course will introduce the student to various techniques for constructing armatures.
- The course will introduce the student to the basic techniques used when modeling, firing and mounting a terra cotta head.
- The course will introduce the student to the techniques commonly employed in casting small sculptures in lead or bronze, using the lost-wax casting procedure.
- The course will introduce the student to the basic procedures, materials and techniques used to create a flexible rubber mold.
- The student will learn how to create and plaster waste and press molds.
- The student will learn how to model a 1/3 life-size human form.
- The student will become familiar with the major bones, muscles and surface features of human anatomy that directly affect the visual appearance of a human form.
- The course will increase the student's knowledge and appreciation of the human form in modern art and in select earlier art periods.
- The course will encourage the student to creatively use the human form in sculptural projects.

Topics to be studied:

A. Human Anatomy

1. Bones and Muscles
2. Motion, actual and implied
3. Proportions
4. Anatomy for expressive purposes

B. Modeling Materials and Techniques

1. Armature: construction and use
2. Clays: terracotta, stoneware & porcelain, and oil-base clays
3. Surface treatments
4. Modeling for expressive purposes
5. Firing clay sculptures

C. Casting and Substitution Materials and Techniques

1. Waste mold construction and use

- 2. Rubber mold construction and use
- 3. Press mold construction and use
- 4. Substitution materials: plaster, lead
- D. The Final Presentation
 - 1. Surface treatments for the sculpture
 - 2. Selecting and mounting a piece on a base
- E. Safety in the Sculpture Studio
 - 1. Dangerous art materials and/or practices
- F. Aesthetic Topics
 - 1. Is it alive?
 - 2. What makes it moving?
 - 3. Is less more or more more, or more less?
 - 4. Nadelman, Hart, DeKooning, Arneson, Lipchitz, Giacometti, Rodin, Manzu, and Miro
 - 5. Overview of religious treatment of the human figure

Relationship of Course to Discipline Learning Outcomes	
Students will develop the necessary nomenclature to speak and write about the arts.	
Students will distinguish among significant media, time periods, styles, and genres.	X
Students will understand the significance of the arts within historical and cultural contexts.	X
Students will experience art activities and events in the local community.	X
Students will become aware of the arts in their daily lives and recognize the influences of the arts in contemporary art.	X

Relationship of Course to General Education Learning Outcomes:	
Composition and Rhetoric Students illustrate a fundamental understanding of the best practices of communicating in English and meet the writing standards of their college or program-based communication requirements.	
Science & Technology Students successfully apply systematic methods of analysis to the natural and physical world, understand scientific knowledge as empirical, and refer to data as a basis for conclusions.	
Mathematics & Quantitative Skills Students effectively use quantitative techniques and the practical application of numerical, symbolic, or spatial concepts.	
Society, Diversity, & Connections Students demonstrate understanding of and a logical ability to successfully analyze human behavior, societal and political organization, or communication.	
Human Inquiry & the Past Students interpret historical events or philosophical perspectives by identifying patterns, applying analytical reasoning, employing methods of critical inquiry, or expanding problem-solving skills.	
The Arts & Creativity Students successfully articulate and apply methods and principles of critical and creative inquiry to the production or analysis of works of art.	X

West Virginia University at Parkersburg

Uniform Course Syllabus (UCS)

Special requirements of the course:

Additional information:

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