

**Course # 251 Art Welding**

**Credit Hours: 3 Hrs**

**Scheduled hours per week**

**Catalog Course Description:**

Students will learn basic welding and cutting techniques in the creation of welded steel sculptures using stock steel and found steel objects.

**Pre-requisites:** Art 122 or permission of the instructor

**Co-requisites:** None

**Course Learning Outcomes:**

- Students will be able to manipulate the materials and tool knowledge and technical skills in basic wood construction, metal fabrication techniques, and ready-made constructions.
- Students will understand three-dimensional principles of composition and craftsmanship via hands-on fabrication experience.
- Students will gain creative problem solving skills in relationship to project interpretation and materials.
- Students will learn entry-level vocabulary in relationship to contemporary and historical artworks, formal aspects of sculpture, and critical and analytical evaluation.
- Students will gain a broadened awareness of art works as instruments for experience, expression, and communication.

**Topics to be studied:**

- This class will focus on the development of materials skills through object fabrication utilizing oxy-acetylene welding and cold forming steel, wood construction, and ready-mades.
- Students are instructed in the safe operation of the stationary machines in the Wood Studio including the panel saw, table saw, band saw, miter saw, sanders, and drill press.
- In the Welding Studio students are instructed in the fundamental practices of oxy-acetylene welding and cold forming.
- A variety of hand tools are instructed and utilized including but not limited to jig saw, pad and belt sander, drill, and pneumatic brad gun.

<b>Relationship of Course to Discipline Learning Outcomes</b>	
Students will develop the necessary nomenclature to speak and write about the arts.	
Students will distinguish among significant media, time periods, styles, and genres.	
Students will understand the significance of the arts within historical and cultural contexts.	
Students will experience art activities and events in the local community.	
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:**

<b>Composition and Rhetoric</b> 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.	
<b>Science &amp; Technology</b> 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.	
<b>Mathematics &amp; Quantitative Skills</b> Students effectively use quantitative techniques and the practical application of numerical, symbolic, or spatial concepts.	
<b>Society, Diversity, &amp; Connections</b> Students demonstrate understanding of and a logical ability to successfully analyze human behavior, societal and political organization, or communication.	
<b>Human Inquiry &amp; the Past</b> Students interpret historical events or philosophical perspectives by identifying patterns, applying analytical reasoning, employing methods of critical inquiry, or expanding problem-solving skills.	
<b>The Arts &amp; Creativity</b> Students successfully articulate and apply methods and principles of critical and creative inquiry to the production or analysis of works of art.	X

**Special requirements of the course:**

**Additional information:**

**Prepared by:** Monica Lynn James, Instructor of Art

**Date:** Fall 2017