Course Acronym:	ART
Course Number:	173
Descriptive Title:	Introduction to Jewelry and Metalsmithing
Division:	Fine Arts
Department:	Art
Course Disciplines:	Art
Catalog Description:	This course is an introduction to the design and technical processes of jewelry and metalsmithing. Construction techniques such as sawing, soldering, forming, and surface embellishment are employed in combination with various metals and stones. Also covered are issues of contemporary aesthetics and their influence on jewelry design and construction.
Prerequisite:	
Co-requisite:	
Recommended Preparation:	
Enrollment Limitation:	
Hours Lecture (per week):	2
Hours Laboratory (per week):	4
Outside Study Hours:	4
Total Course Hours:	108
Course Units:	3
Grading Method:	Letter Grade only
Credit Status:	Credit, degree applicable
Transfer CSU:	Yes
Effective Date:	Prior to July 1992
Transfer UC:	No
Effective Date:	
General Education: ECC	
Term:	
Other:	
CSU GE:	
Term:	
Other:	
IGETC:	
Term:	
Other:	

Student Learning Outcomes:	Upon completion of this course, students will be able to: 1. synthesize, and apply the principles of jewelry design, and appropriate practices, to create original finished jewelry objects. 2. define and give examples of terminology, methods, and materials appropriate to the beginning level jewelry and metalsmithing. 3. evaluate a jewelry object in terms of concept, design and control of the medium (craftsmanship) through written and oral communication.
Course Objectives:	1. Identify and utilize precious and ferrous metals, precious and semi-precious stones, and copper-based alloys to create finished jewelry. 2. Develop and sketch original jewelry designs. 3. Create finished jewelry employing sawing, filing, annealing, soldering, forming, surface embellishment, stone setting, casting, and polishing. 4. Demonstrate and employ principles of contemporary aesthetics and functional considerations applicable to jewelry design and construction. 5. Analyze and apply the technical processes necessary to produce finished jewelry objects. 6. Define jewelry and metalsmithing terminology and outline safe studio practices. 7. Evaluate jewelry in terms of function, aesthetics, symbolism, visual effectiveness, and craftsmanship.
Major Topics:	I. **Tools and Equipment (12 hours, lecture)** A. Terminology B. Identification C. Function and application D. Safety and maintenance procedures II. **II. Creating Original Designs (6 hours, lab)** A. Working drawings and specifications B. Assessing material requirements and functional needs III. **III. Contemporary Aesthetics (6 hours, lab)** A. Integrating form and function B. Traditional and non-traditional materials C. Interpretation and expression IV. **IV. Stones and Metals (12 hours, lecture)** A. Precious metals B. Ferrous metals C. Copper-based alloys D. Precious and semi-precious stones V. **V. Construction Techniques (60 hours, lab)** A. Sawing and filing B. Annealing and forming C. Soldering and surface embellishment D. Stone setting and patination E. Casting and polishing F. Etching and forging VI. **VI. Analysis and Criticism (12 hours, lecture)** A. Technique and function B. Aesthetics and craft
Total Lecture Hours:	36
Total Laboratory Hours:	72
Total Hours:	108

Primary Method of Evaluation:	3) Skills demonstrations
Typical Assignment Using Primary Method of Evaluation:	Design and construct a ring integrating etching, soldering, and stone setting.
Critical Thinking Assignment 1:	Design and create a scaled model in preparation for constructing a pendant. Assess and determine the functional and material requirements of the proposed pendant, then construct a finished pendant integrating soldering, filing, surface embellishment, and patination.
Critical Thinking Assignment 2:	Assess the functional and material requirements for constructing a linked bracelet. Design and construct a scaled model based on contemporary aesthetic principles. Complete the finished bracelet combining forging, soldering, linking, and hydraulic press work.
Other Evaluation Methods:	Class Performance, Completion, Multiple Choice, Other (specify), Other Exams, Performance Exams, Quizzes, True/False,
Instructional Methods:	Demonstration, Discussion, Field trips, Group Activities, Guest Speakers, Lab, Lecture, Other (specify)
If other:	Internet Presentation/Resources
Work Outside of Class:	Observation of or participation in an activity related to course content (such as theatre event, museum, concert, debate, meeting), Problem solving activity, Required reading, Skill practice
If Other:	
Up-To-Date Representative Texts:	McCreight, Tim, The Complete Metalsmith, Professional Edition, Brynmorgen Press, 2005. (Discipline Standard)
Alternative Texts:	
Required Supplementary Readings:	Online current industry standard materials
Other Required Materials:	Jewelry and metalsmithing tools and supplies Sketchbook
Requisite:	
Category:	
Requisite course(s): List both prerequisites and corequisites in this box.	
Requisite and Matching skill(s):Bold the requisite skill. List the corresponding course objective under each skill(s).	
Requisite Skill:	
Requisite Skill and Matching Skill(s): Bold the requisite skill(s). If applicable	
Requisite course:	

Requisite and Matching skill(s):Bold the requisite skill. List the corresponding course objective under each skill(s).	
Requisite Skill:	
Requisite Skill and Matching skill(s): Bold the requisite skill. List the corresponding course objective under each skill(s). If applicable	
Enrollment Limitations and Category:	
Enrollment Limitations Impact:	
Course Created by:	
Date:	
Original Board Approval Date:	
Last Reviewed and/or Revised by:	Irene Mori
Date:	04/10/2024
Last Board Approval Date:	06/17/2024
Effective Term:	FA 2025