

ART G161: JEWELRY AND METALSMITHING 2

- 8. Differentiate between different historical and contemporary approaches to jewelry and metalsmithing.

Item	Value
Curriculum Committee Approval Date	10/03/2023
Top Code	100910 - Jewelry
Units	3 Total Units
Hours	108 Total Hours (Lecture Hours 27; Lab Hours 81)
Total Outside of Class Hours	0
Course Credit Status	Credit: Degree Applicable (D)
Material Fee	Yes
Basic Skills	Not Basic Skills (N)
Repeatable	No
Grading Policy	Standard Letter (S), • Pass/No Pass (B)

Course Description

Formerly: Jewelry 2. This course is an exploration of design, materials, and processes that apply to jewelry and metal at an intermediate level. Students will learn about intermediate level techniques and methods used in the fabrication of complex jewelry and larger metal objects. Specific aesthetic and technical criteria of jewelry design and metalsmithing including historical applications will be emphasized. PREREQUISITE: ART G160. Transfer Credit: CSU.

Course Level Student Learning Outcome(s)

1. Course Outcomes
2. Examine problems specific to jewelry design and metalsmithing with the practical application of possible solutions at an intermediate level.
3. Create jewelry made from a variety of non-ferrous metals such as sterling silver, copper, brass, and/or nickel.
4. Design jewelry and metal objects that employ intermediate techniques, construction, and materials.
5. Analyze different historical and contemporary construction techniques in jewelry and metalsmithing.

Course Objectives

- 1. Solve intermediate level design and fabrication problems in jewelry and metal.
- 2. Produce work that integrates traditional and contemporary design approaches to jewelry design and metalsmithing at an intermediate level.
- 3. Use the creative process to develop intermediate level concepts in metalsmithing and jewelry design.
- 4. Evaluate students own artwork and that of other students during critiques.
- 5. Use specialized tools, equipment, and materials in the design of jewelry and metal objects.
- 6. Integrate the formal elements and principles of design in the creation of intermediate level jewelry and metal objects.
- 7. Apply individual aesthetic decisions and judgments related to ones own work.

Lecture Content

Introduction Historical examples of jewelry and metalsmithing construction techniques and materials Contemporary examples of jewelry and metalsmithing construction techniques and materials Stone identification Historical and contemporary lapidary practices Historical and contemporary casting methods The interrelationship between design and function at an intermediate level Intermediate level materials Intermediate metal properties Suppliers Visual design Intermediate level jewelry design limitations Continuing to develop a personal aesthetic Scale and weight in intermediate level jewelry Expressive use of materials Safety and handling Handling of various materials Use of tools and equipment Maintenance of tools and equipment Terminology and layout of studio Study of metallurgy Crystal structure Metal alloys Intermediate fabrication techniques Mechanisms Complex joinery Hinges and rivets Chain making Kinetics and moving joints Containers Hollow jewelry constructions Custom connections Points and clasps Soldering Intermediate surface enrichment Galvanic etching Color treating metal Patina Chasing and repousse Fusing Inlay Engraving Enameling Applique Intermediate stone mounting Cabochon setting Faceted stone setting Stones set in hollow jewelry Stones set in kinetic objects Intermediate casting techniques Direct casting Lost wax casting Intermediate metal forming techniques Theory and history Working with multiple pieces of metal Critique guidelines Specialized vocabulary and terminology

Lab Content

Design Principles Composition, line quality, and form in sketches Wearability in jewelry Creation of models Stone setting Cabochons Faceted stones Stones set in hollow jewelry Stones set in kinetic objects Casting Direct casting Lost wax casting Heat control and finishing techniques Control of various states of metal Anneal Reticulate Multiple joinery Incorporation of moving elements Hinges Clasps Bales Articulated joints Metal forming Dapping Raising Forging Hydraulic die pressing Designing and fabricating a ring Fabrication techniques Application Execution Jewelry with cut stones Process Techniques Choosing a stone Cutting a stone Polishing a stone Setting a stone Texturing techniques Historical Examples Fabrication techniques

Method(s) of Instruction

- Lecture (02)
- Lab (04)

Reading Assignments

Instructor prepared materials and other selected readings on jewelry-making and metalsmithing from books and periodicals.

Writing Assignments

Reflective essays following virtual or in person visits to museums to view intermediate level works of jewelry and metalsmithing. Evaluations of intermediate level objects presented in class. Artists statements. Essays based on researching historical and contemporary jewelry and metalsmithing developments. Reflecting on class experiences in a notebook.

Out-of-class Assignments

The creation of intermediate level designs in a sketchbook and the preparation of creative works. Investigating historical and contemporary jewelry and metalsmithing artists and their works. Art gallery or museum visits in person or online to view jewelry and metalsmithing artworks. Drafting an artists statement.

Demonstration of Critical Thinking

Students will create and construct objects using various intermediate level jewelry-making and metalsmithing techniques and media while also incorporating the elements of art and principles of design into their artwork. Students will evaluate their artwork and the artwork of their peers in order to express reasoned judgments during oral critiques. Students will synthesize design concepts, technical skills, content, and individual expression in the production of objects integrating at least two media with specialized intermediate level techniques. Students will problem solve the design and execution of intermediate level jewelry and metal objects resulting in finished artwork. Students will review art exhibits of jewelry and metalsmithing.

Required Writing, Problem Solving, Skills Demonstration

Assessments and critiques that measure the students ability to assess and derive meaning from works of art presented, including their own original artwork and the artwork of their peers. Students will construct an object using various intermediate level tools, techniques, and media related to jewelry and metalsmithing. Students will create intermediate level designs for their objects, implement their designs, and researching historical and contemporary jewelry and metalsmithing artists and their artworks. Students may write reflective essays following their virtual or in person visits to museums to view objects related to jewelry and metalsmithing. Students will have written assignments that include the critical evaluations of objects presented in class and written artists statements.

Eligible Disciplines

Art: Masters degree in fine arts, art, or art history OR bachelors degree in any of the above AND masters degree in humanities OR the equivalent. Note: "masters degree in fine arts" as used here refers to any masters degree in the subject matter of fine arts, which is defined to include visual studio arts such as drawing, painting, sculpture, printmaking, ceramics, textiles, and metal and jewelry art; and also, art education and art therapy. It does not refer to the "Master of Fine Arts" (MFA) degree when that degree is based on specialization in performing arts or dance, film, video, photography, creative writing, or other non-plastic arts. Masters degree required. Jewelry: Any bachelors degree and two years of professional experience, or any associate degree and six years of professional experience.

Textbooks Resources

1. Required McCreight, T. The Complete Metalsmith, 4th (latest) ed. Brynmorgen Press, 2005 Rationale: latest