

COURSE OUTLINE

Art 240
Introduction to Jewelry

I. Catalog Statement

Art 240 is an introduction to fundamental jewelry/metalsmithing techniques and materials with emphasis on design, fabrication, forming, and casting. Techniques include: piercing, soldering, finishes, patinas, bezel setting stones, and lost wax casting.

Units – 3.0

Lecture Hours – 2.0

Total Studio Hours – 4.0

(Faculty Studio Hours – 2.0 + Student Studio Hours – 2.0 = 4.0 Total Studio Hours)

Recommended Preparation: Eligibility for English 120 or ESL 151.

II. Course Entry Expectations

Skill Level Ranges: Reading 5; Writing 5; Listening/Speaking 5; Math 2

III. Course Exit Standards

Upon successful completion of the required coursework, the student will be able to:

1. create functional jewelry using a variety of methods including fabrication, forming, and casting;
2. create embellished surfaces using various texture and finishing techniques;
3. identify metals and their working characteristics;
4. construct metal into three dimensional forms using mechanical joinery and soldering techniques;
5. translate ideas into functional metal designs;
6. apply standards of craftsmanship;
7. evaluate their work and the work of others through oral critique.

IV. Course Content

A. Orientation

4 hours

1. Overview of the class
2. Introduction to metal
3. Overview of jewelry/metalsmithing processes

- | | |
|---|----------|
| B. Introduction to Fabrication/Mechanical Connections | 16 hours |
| 1. Design and layout | |
| 2. Pattern development | |
| 3. Piercing tools and methods | |
| 4. Texture techniques | |
| 5. Finishing | |
| 6. Findings | |
| 7. Mechanical assembly | |
| C. Introduction to Soldered Fabrication and Forming | 16 hours |
| 1. Design and layout | |
| 2. Preparation of metal for soldering | |
| 3. Solder alloys | |
| 4. Torches | |
| 5. Heating cycle | |
| 6. Cleaning metal oxidation | |
| 7. Finishes and textures | |
| 8. Forming and annealing | |
| 9. Patinas | |
| D. Introduction to Casting | 16 hours |
| 1. Overview | |
| 2. Waxes | |
| 3. Subtractive techniques | |
| 4. Wax to metal ratio | |
| 5. Mold making | |
| 6. Investment | |
| 7. Kilns | |
| 8. Lost wax casting methods | |
| 9. Finishing castings | |
| E. Introduction to Bezel Setting a Cabochon | 12 hours |
| 1. Gem stones | |
| 2. Settings | |
| 3. Bezel construction | |
| 4. Finishing | |
| 5. Setting cabochons | |

V. **Methods of Presentation**

The following instructional methodologies may be used in the course:

1. classroom lectures and demonstrations;
2. individual instructor-to-student assistance;
3. screening of slides, films, and videos.

VI. Assignments and Methods of Evaluation

1. Projects.
2. Works-in-progress critiques by instructor and peers.
3. Oral critique at conclusion of each assignment by instructor and peers.
4. A mid-term and final written examination.

VII. Textbook

McCreight, T. The Complete Metalsmith: An Illustrated Handbook. Revised Edition.
Worcester, Massachusetts: Davis Publications, Inc., 1991.
10th Grade Textbook Reading Level. ISBN: 0-87192-240-1(paperback).