

# Lassen Community College Course Outline

## ART-43B Beginning Jewelry Design: Casting

2.0 Units

### I. Catalog Description

An introductory class in producing jewelry using casting processes including pouring, centrifuge, vacuum casting, and other basic methods. Drawing designs and stone cutting and setting will be included. To cover the costs of metals and soldering, a \$25.00 lab fee will be charged at the time of enrollment.

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

Transfers to CSU only  
CSU GE Area: C1  
17 Hours Lecture, 51 Hours Lab  
Scheduled: Spring

### II. Coding Information

Repeatability: Not Repeatable, Take 1 Time  
Grading Option: Graded or Pass/No Pass  
Credit Type: Credit - Degree Applicable  
TOP Code: 100910

### III. Course Objectives

#### A. Course Student Learning Outcomes

Upon completion of this course the student will be able to:

1. Properly use hand and power tools common to jewelry production by casting including centrifuge, vacuum machine, polishing tools, etc.
2. Use common contemporary techniques of casting sterling silver. Techniques will include pouring, centrifuge, vacuum casting, etc.
3. Use rock saws and polishers to cut and set a cabochon stone.
4. Demonstrate knowledge of body ornamentation and jewelry design in western and non-western cultures.

#### B. Course Objectives

Upon completion of this course the student will be able to:

1. Demonstrate safe use practices in handling tools required to cast jewelry.
2. Produce cast jewelry by pouring.
3. Produce cast jewelry by the centrifuge method.
4. Produce cast jewelry by vacuum casting.
5. Texture metal surfaces by various methods.
6. Produce settings for a cabochon stone.
7. Clean, finish, and polish metals.
8. Participate in critiques.

### IV. Course Content

- A. Stone setting
1. Use and application of prong settings

2. Use and application of bezel settings
- B. Lost wax casting jewelry forms
  1. Construction of wax models
  2. Investment
  3. Burn out
  4. Casting
  5. Finishing techniques
- C. History of jewelry design and fabrication
  1. Antique jewelry and techniques
  2. Traditional Japanese jewelry and processes
  3. New World jewelry and techniques
  4. Contemporary techniques
- D. The critical evaluation of art - jewelry
  1. Application of jewelry design and fabrication concepts
  2. Analysis of the subjective response
- E. Personal discovery through jewelry design and fabrication
  1. Design and creation of a ring, bracelet, earrings, etc., using casting.
  2. Design and construction of a piece incorporating a pierced design
  3. Create a piece incorporating a set stone
  4. Design and create a piece using forged elements
  5. Design and create lost wax cast jewelry forms

## **V. Assignments**

### **A. Appropriate Readings**

Handouts relating to safety issues using tools

Various periodical articles

### **B. Writing Assignments**

Quizzes

### **C. Expected Outside Assignments**

Weekly homework assignments. Research safety procedures related to various types of equipment used in jewelry design. Research casting in other cultures.

### **D. Specific Assignments that Demonstrate Critical Thinking**

1. Designing various pieces of jewelry
2. Using the above methods to produce pieces of jewelry.
3. Participating in critiques.

## **VI. Methods of Evaluation**

Quizzes

Participation

Design criteria

Craftsmanship

Finished product (portfolio)

Critique

## **VII. Methods of Delivery**

Check those delivery methods for which, this course has been separately approved by the Curriculum/Academic Standards Committee.

**Traditional Classroom Delivery**  Correspondence Delivery

Hybrid Delivery

Online Delivery

A. Lecture

B. Demonstrations

C. Visual Examples

D. Illustrated Lectures

E. One-on-one instruction while students work on jewelry

F. Critiques

### **VIII. Representative Texts and Supplies**

Young, Anastasia; *Gemstone Settings: The Jewelry Maker's Guide to styles & Techniques*, 19<sup>th</sup> edition, 2012, Interweave Press; ISBN: 9781596686366

### **IX. Discipline/s Assignment**

Jewelry, Art

### **X. Course Status**

Current Status: Active

Original Approval Date: 2/27/1990

Revised By: Randy Panfilio

Curriculum/Academic Standards Committee Revision Date: 05/01/2018