

SAN DIEGO COMMUNITY COLLEGE DISTRICT  
CONTINUING EDUCATION  
COURSE OUTLINE

**SECTION I**

SUBJECT AREA AND COURSE NUMBER

APLD 524

COURSE TITLE

JEWELRY MAKING 1 – 3

ALTERNATE TITLE(S)

STUDIO LAB JEWELRY

TYPE COURSE

FEE

CATALOG COURSE DESCRIPTION

Make your own jewelry. Become a skilled craftsman and design your own. Create jewelry from silver, gold, copper and brass. Make rings, bracelets, chains, pendants. Show off your work to anyone you can. Be proud! You did it! (FT)

LECTURE HOURS

3 - 4 hours per week  
(for 9 - 18 weeks)

LABORATORY HOURS

ADVISORIES

NONE

RECOMMENDED SKILL LEVEL

NONE

INSTITUTIONAL STUDENT LEARNING OUTCOMES

1. Social Responsibility  
SDCE students demonstrate interpersonal skills by learning and working cooperatively in a diverse environment.
2. Effective Communication  
SDCE students demonstrate effective communication skills.

### INSTITUTIONAL STUDENT LEARNING OUTCOMES (CONTINUED)

3. Critical Thinking  
SDCE students critically process information, make decisions, and solve problems independently or cooperatively.
4. Personal and Professional Development  
SDCE students pursue short term and life-long learning goals, mastering necessary skills and using resource management and self-advocacy skills to cope with changing situations in their lives.

### COURSE GOALS

A skill craftsmanship course designed to relate the fundamentals of construction, design and safety toward the total study of jewelry making and metal smithing. Learn the history of jewelry, the use of metals and alloys, the use of machinery, pattern piercing, torches, soldering, oiling, binding and Bezel setting.

### COURSE OBJECTIVES

The students will show orally, in writing or through discussion that they are able to:

1. Extrapolate ideas and create individual work.
2. Apply the elements of design and function to projects assigned.
3. Evaluate and relate material learned from reading list.
4. Demonstrate the willingness to abide by safety rules.
5. Formulate and maintain a notebook.
6. Critique projects assigned.
7. Construct basic items as assigned.
8. Illustrate and demonstrate a willingness to take direction.
9. Develop a working skill of the necessary tools of the craft.
10. Relate to individuals within the group.

## **SECTION II**

### COURSE CONTENT AND SCOPE

1. Basic Jewelry 1 Class (Foundation Class for Jewelry 2 and 3)
  - 1.1. Introduction to basics
    - 1.1.1. Materials used
    - 1.1.2. Tools used
    - 1.1.3. Equipment used
    - 1.1.4. Miscellaneous materials
  - 1.2. Registration/orientation
    - 1.2.1. Fees
    - 1.2.2. Insurance

COURSE CONTENT AND SCOPE (CONTINUED)

- 1.2.3. Safety procedures
  - 1.2.3.1. Personal
  - 1.2.3.2. Environmental
- 1.2.4. Class expectations
  - 1.2.4.1. Length
  - 1.2.4.2. Coverage
- 1.3. Handouts
  - 1.3.1. Reading list
  - 1.3.2. Suppliers list
  - 1.3.3. Class format
  - 1.3.4. Assignment sheets
- 2. Sawing and Piercing
  - 2.1. Saw
    - 2.1.1. Blade attachment
    - 2.1.2. Sawing
      - 2.1.2.1. Perpendicular
      - 2.1.2.2. Slow 'n easy
      - 2.1.2.3. Turn in place
  - 2.2. Piercing
    - 2.2.1. Blade attachment
    - 2.2.2. Center punch in negative area
    - 2.2.3. Drill hole
    - 2.2.4. Insert blade and attach
    - 2.2.5. Saw pattern
- 3. Filing
  - 3.1. Proper procedure of filing
  - 3.2. Stoning
  - 3.3. Burnishing
- 4. Soldering
  - 4.1. Annealing
    - 4.1.1. Definition
    - 4.1.2. Characteristics
  - 4.2. Temperatures
    - 4.2.1. Annealing
    - 4.2.2. Melting point
    - 4.2.3. Flow point
    - 4.2.4. Torch temperatures
  - 4.3. Solder
    - 4.3.1. Types
    - 4.3.2. Temperature
    - 4.3.3. Multiple soldering construction
  - 4.4. Soldering process
    - 4.4.1. Fitting
      - 4.4.1.1. Tight
      - 4.4.1.2. Even
    - 4.4.2. Cleaning

COURSE CONTENT AND SCOPE (CONTINUED)

- 4.4.2.1. Steel wool
      - 4.4.2.2. Sanding
      - 4.4.2.3. Chemically cleaning
    - 4.4.3. Fluxing
      - 4.4.3.1. Paste and liquid flux
      - 4.4.3.2. Heat
      - 4.4.3.3. Temperature
    - 4.4.4. Solder
      - 4.4.4.1. Grades
      - 4.4.4.2. Solder placement
    - 4.4.5. Heating
    - 4.4.6. Pickling
  - 4.5. Solder problems
    - 4.5.1. Balling of solder
    - 4.5.2. Pin holes
5. Product Finishing
  - 5.1. Sanding
  - 5.2. Buffing
  - 5.3. Brass brushing
  - 5.4. Steel wooling
  - 5.5. Patina's
    - 5.5.1. Natural oxidation
    - 5.5.2. Chemical oxidation
6. Design
  - 6.1. Analysis
  - 6.2. Evaluation
  - 6.3. Process
    - 6.3.1. Create
    - 6.3.2. Document
      - 6.3.2.1. Models
      - 6.3.2.2. Drawing
    - 6.3.3. Execution
7. Stone Setting
  - 7.1. Bezel-set stones
  - 7.2. Tube setting
  - 7.3. Prong setting
  - 7.4. Tension setting
8. Assignment
  - 8.1. Projects
    - 8.1.1. Individual
    - 8.1.2. Occurring throughout course
  - 8.2. Procedures
    - 8.2.1. Creativity
    - 8.2.2. Technical challenge
    - 8.2.3. Achievable goal
    - 8.2.4. Source of inspiration

APPROPRIATE READINGS

NONE

WRITING ASSIGNMENTS

NONE

OUTSIDE ASSIGNMENTS

NONE

APPROPRIATE ASSIGNMENTS THAT DEMONSTRATE CRITICAL THINKING

NONE

EVALUATION

Demonstrate proficiencies through the fundamentals of jewelry design, skill in the use of tools and safety procedures. Teacher observation, student involvement and self-evaluation are integral parts of this course.

METHOD OF INSTRUCTION

Lecture, demonstration, classroom participation, group and individualized instruction, slides and films.

TEXTS AND SUPPLIES

Instructor handout sheets

Instructor syllabus

Electricity to run machines

Large work area, work benches, chairs, chalkboard, and a sink

PREPARED BY Carol Cusak DATE 7/82

REVISED BY Instructional Services, SLOs added DATE March 10, 2017

Instructors must meet all requirements stated in Policy 3100 (Student Rights, Responsibilities and Administrative Due Process), and the Attendance Policy set forth in the Continuing Education Catalog.

REFERENCES:

San Diego Community College District Policy 3100  
California Community Colleges, Title 5, Section 55002  
Continuing Education Catalog