I. INTRODUCTION

A. A continuation of jewelry-making and metalworking techniques. Lost wax casting, surface treatments, and 3-D construction are emphasized. Prerequisite: ARTS 2341.

B. This course, when completed with a passing grade, fulfills three semester hours of college credit. It is a course recommended for the student seeking a degree in art, crafts, art education, or any of the art-related fields; the professional artist; the hobbyist; or for the novice seeking an area of creative activity.

C. Second semester students continue metal working and embellishing techniques begun in the first semester. Individual goals become more important as the student advances.

II. LEARNING OUTCOMES

Upon successful completion of this course, Jewelry and Art Metals II, the student will be able to:

A. Demonstrate integrity of excellent craftsmanship.

B. Discover a sense of self-development and confidence through following his own creative ideas.

C. Develop personal use of design principles and sense of aesthetics.

D. Show mastery of technical information and procedural steps needed to create metal art, jewelry and/or non-wearables.

E. Demonstrate proper use, care, and respect for all tools and materials used.

F. C1, C3, C5, C6, C7, C9, C18, C19, C20, F1, F3, F5, F7, F8, F9, F10, F11, F12, F13, F14, F15

III. INSTRUCTIONAL MATERIALS

January 2007
A. The instructional materials identified for this course are viewable through [www.ctcd.edu/books](http://www.ctcd.edu/books)

B. References available in CTC Library
   2. Periodicals: American Craft, Ornament, Metalsmith, Lapidary Journal

D. Supplies and Equipment

To be supplied by each student:
   1. Pencil, paper, scissors, copper wire, tape for designing and/or constructing models
   2. Sketch book or paper
   3. Box of all supplies and equipment, including tools issued in class
   4. Gemstones
   5. Metal for jewelry (silver and other non-ferous materials)

   **NOTE:** Silver is most suitable for the student since it is less expensive than gold but does not pose the oxidation problems of copper and brass.

   7. Silver solder <1/4oz. easy (sheet not wire)
   8. Saw blades - 2 dozen, size 0
   9. 3" (approx) C-clamp
   10. Wet/dry sandpaper, grits 600, 360, 220 (or near)
   11. Miscellaneous items: rags, toothbrush, Q-tips, ammonia

E. Supplies and Major Equipment Used in the Department

1. Direct metal techniques
   a. Hand tools issued to student
   b. Hand tools remaining in department
   c. Repousse and forging tools
   d. Soldering set-up area and supplies

2. Casting
   a. Investment supplies and flasks
   b. Burnout kiln
   c. Casting torch
   d. Centrifugal caster
   e. Vacuum assist caster

F. Audio Visual Aids:
IV. COURSE REQUIREMENTS

A. Students are required to read all text and supplemental materials assigned. Pages are listed in course outline and will be announced in class.

B. Projects:

All projects must be completed and turned in on time. Students are expected to bring all necessary materials to class.

C. Class Performance:

1. Students are expected to attend every class, be on time, and remain throughout the class.

2. It is the responsibility of the student to initiate making up any work missed.

3. Students are expected to maintain civility, courtesy, and scholastic honesty.

4. Students are expected to participate fully in class discussions and critiques.

5. Students will be expected to maintain their work area and to properly use, clean, and store equipment and tools each day.

V. EXAMINATIONS

Due to the nature of the course contents, there will be no examination, per se. Instead, students will be graded on the entire body of work done during the semester. Criteria for grading will be given for each project, and is summarized at the end of the projects listing.

VI. SEMESTER GRADE COMPUTATIONS

Daily grade (projects) - 85 points

<table>
<thead>
<tr>
<th>Point-to-Grade Ratio</th>
<th>Criteria</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>100 - 90 = A</td>
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<tr>
<td></td>
<td>89 - 80 = B</td>
</tr>
<tr>
<td></td>
<td>79 - 70 = C</td>
</tr>
<tr>
<td></td>
<td>69 - 60 = D</td>
</tr>
<tr>
<td></td>
<td>59 - 0 = F</td>
</tr>
</tbody>
</table>

*Incentive points - 15 points

*Earned by attitude and willingness to do more than minimal requirements.

Individual progress is also considered to be of major importance.

VII. NOTES AND ADDITIONAL INSTRUCTIONS FROM COURSE INSTRUCTOR

A. Course Withdrawal: It is the student’s responsibility to officially withdraw from a course if circumstances prevent attendance. Any student who desires to, or must, officially withdraw from a course after the first scheduled class meeting must file a
Central Texas College Application for Withdrawal (CTC Form 59). The withdrawal form must be signed by the student.

CTC Form 59 will be accepted at any time prior to Friday of the 12th week of classes during the 16-week fall and spring semesters. The deadline for sessions of other lengths is:

- 10-week session: Friday of the 8th week
- 8-week session: Friday of the 6th week
- 5-week session: Friday of the 4th week

The equivalent date (75% of the semester) will be used for sessions of other lengths. The specific last day to withdraw is published each semester in the Schedule Bulletin.

A student who officially withdraws will be awarded the grade of “W” provided the student’s attendance and academic performance are satisfactory at the time of official withdrawal. Students must file a withdrawal application with the College before they may be considered for withdrawal.

A student may not withdraw from a class for which the instructor has previously issued the student a grade of ‘F” or “FN” for nonattendance.

B. **Administrative Withdrawal:** An administrative withdrawal may be initiated when the student fails to meet College attendance requirements. The instructor will assign the appropriate grade on CTC Form 59 for submission to the registrar.

C. **Incomplete Grade:** The College catalog states, “An incomplete grade may be given in those cases where the student has completed the majority of the coursework but, because of personal illness, death in the immediate family, or military orders, the student is unable to complete the requirements for a course...” Prior approval from the instructor is required before the grade of “I” for Incomplete is recorded. A student who merely fails to show for the final examination will receive a zero for the final and an “F” for the course.

D. **Cellular Phones and Beepers:** Cellular phones and beepers will be turned off while the student is in the classroom or laboratory. Cellular phones will be kept out of sight throughout classes.

E. **American’s With Disabilities Act (ADA):** Disability Support Services provide services to students who have appropriate documentation of a disability. Students requiring accommodations for class are responsible for contacting the Office of Disability Support Services (DSS) located on the central campus. This service is available to all students, regardless of location. Explore the website at [www.ctcd.edu/disability-support](http://www.ctcd.edu/disability-support) for further information. Reasonable accommodations will be given in accordance with the federal and state laws through the DSS office.
F. **Instructor Discretion:** The instructor reserves the right of final decision in course requirements.

G. **Civility:** Individuals are expected to be cognizant of what a constructive educational experience is and respectful of those participating in a learning environment. Failure to do so can result in disciplinary action up to and including expulsion.

H. **Guests in Classroom:** Adult guests may visit a class with the prior permission of the instructor. Children are not to be brought to any class or the studio areas.

VIII. COURSE OUTLINE

A. **Lesson One:** Casting

1. **Lesson Objectives:** Upon successful completion of this unit, the student will be able to demonstrate in finished work one of the following approaches to lost-wax casting:
   
   a. Found object as model--modification is required.
   b. Use of latex-mold for wax model--found object or student produced.
   c. Wax model made entirely by student

2. **Learning Activities:**
   
   a. Instructor lecture and discussion
   b. Demonstration of techniques
   c. Reading assignment (Chapter 10) and independent research
   d. Studio practice

C1, C3, C5, C6, C7, C9, C18, C19, C20, F1, F3, F5, F7, F8, F9, F10, F11, F12, F13, F14, F15

3. **Equipment and Materials:**
   
   a. See supplies and equipment list on page 2

4. **Audio Visual Aids:**
   
   a. Slides, videos and print materials al appropriate

5. **Lesson Outline:**
   
   a. Design
   b. Production
   c. Casting
   d. Finishing of pieces

B. **Lesson Two:** 3-D Metal Shapes

1. **Lesson Objectives:** Upon successful completion of this lesson, the student
will be able to produce work(s) which demonstrates application of two of the following techniques:

a. Bent, hammered, die formed metal
b. Repousse using pitch bowl to shape metal
c. Right angle soldering (box construction) for containers, objects and wearables.

2. **Learning Activities:**

a. Instructor lecture and discussion
b. Demonstration of techniques
c. Reading assignment (note pages 20-21, 56, 60, 84) and independent research.
d. Studio practice

C1, C3, C5, C6, C7, C8, C9, C18, C19, C20, F1, F3, F5, F7, F8, F9, F10, F11, F12, F13, F14, F15

3. **Equipment and Materials:**

a. See supplies and equipment list on page 2

4. **Audio Visual Aids:**

a. Slides, videos and print materials all appropriate

5. **Lesson Outline:**

a. Design project
b. Production of project
c. Finishing of project

C. **Lesson Three: Surface Embellishment**

1. **Lesson Objectives:** Upon successful completion of this lesson, the student will be able to produce work which demonstrates a mastery of two of the following techniques:

a. Milling - p.22-23
b. Folding/Forging/Crimping – p.8-9, 24
c. Applique/Onlay – p.34, 63, 67, 121
d. Multiple color metals and/or other materials – p.7, 35, 124

2. **Learning Activities:**

a. Instructor lecture and discussion
b. Demonstration of techniques
c. Reading assignment (see page listings for each technique) and independent research.
d. Design and produce works which include the surface treatments chosen
e. Studio practice of above

C1, C3, C5, C6, C7, C8, C9, C18, C19, C20, F1, F3, F5, F7, F8, F9, F10, F11, F12, F13, F14, F15

3. **Equipment and Materials:**
   
a. See supplies and equipment list on page 2

2. **Audio Visual Aids:**
   
a. Slides, videos, and print materials as appropriate

5. **Unit Outline:**
   
a. Design Project
b. Production of project
c. Finishing of project

D. **Lesson Four:** Movable Parts

1. **Lesson Objectives:** Upon successful completion of this lesson, the student will be able to produce work which demonstrates application of one if the following techniques:

2. **Learning Activities**
   
a. Instructor lecture and discussion
b. Demonstration of techniques
c. Reading assignment and independent research
d. Studio practice

C1, C3, C5, C6, C7, C8, C9, C18, C19, C20, F1, F3, F5, F7, F8, F9, F10, F11, F12, F13, F14, F15

3. **Equipment and Materials**
   
a. See supplies and equipment list on page 2

4. **Audio Visual Aids**
   
a. Slides, videos, and print materials as appropriate

5. **Unit Outline:**
   
a. Design Project
b. Production of project
c. Finishing of project