Metals I (Jewelry I)

Spring 2016
Lecture Hours: 2
Class Time: 9:00 – 11:50 am
Instructor: Linda Ryan
Office Phone: 268-2671
Office: VR 105

Lab Hours: 4
Days: T & TH

Credits: 3
Room: VR 103
E-mail: lryan@caspercollege.edu
Office Hours: Posted on office door

Description:
Metals I: An introduction to the basic techniques in fabrication and design in non-ferrous metals. Emphasis will be on the traditional and contemporary means of fabrication and forming. This class is not: a beading, stone wrapping or wire wrapping class.

Prerequisites: None

Goals:
This course will acquaint the student with the basic techniques and principles used in the design and creation of jewelry. The student will focus on applying design principles and craftsmanship to jewelry making.

Outcomes:
Students will solve problems using critical thinking and creativity, as well as appreciate aesthetic and creative activities through the design and creation of jewelry.

Course Objectives:
Students will use and understand art vocabulary and terminology specific to non-ferrous metals through the creation of work and through the critique process.

- Students will apply concepts of design and good craftsmanship in their work.
- Students will demonstrate technical competence in surface techniques, soldering, cabochon stone setting, polishing and patina work.
- Students will maintain a sketchbook / journal.
- Students will practice safe studio procedures in the use of studio equipment and materials.

Methodology:
Each project will begin with a lecture/discussion and visual presentation, followed by studio work, self-reflection and critique of finished work. Critiques are conducted as open, informal forums where you discuss and comment upon other students' work in a constructive, critical and intelligent manner. This public scrutiny is a central reality for visual workers in building presentation skills and developing a professional attitude about your work. Attendance during critique is crucial. Everyone is expected to have their work finished and ready for display at the beginning of class on critique days.

Evaluation Criteria:
Grades will be based on quality of completed work in terms of comparison to professional standards and personal improvement. Each project will have a grading form that evaluates the work in terms of craftsmanship, comprehension of the problem, originality of the solution and other criteria that relate to the particular assignment.

Process is also evaluated: level of application, willingness to work through the problem and experiment with different solutions. All projects are expected to be completed on time. Should your project be late, it will drop 20 points for each late day. Any project may be reworked and submitted for reconsideration as long as the project met the original deadline and is submitted within two weeks after the graded project is returned to the student.

Final grades are based on the TOTAL number of points earned for the semester. Points can be earned in three areas: (See attached grading & evaluation forms)

1) Projects Sketchbook & Written work: 535 points
2) Attendance: 300 points
3) Effort/Initiative: 65 points
TOTAL 900 points
**Projects, Sketchbook & Written Work: 535 points**

<table>
<thead>
<tr>
<th>Project</th>
<th>Points</th>
<th>Grading Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Visual Inventory</td>
<td>10</td>
<td>100% - 92% = A</td>
</tr>
<tr>
<td>Quiz on Form</td>
<td>40</td>
<td>91% - 84% = B</td>
</tr>
<tr>
<td>Sketchbook</td>
<td>50</td>
<td>83% - 76% = C</td>
</tr>
<tr>
<td>Metal Brooch</td>
<td>100</td>
<td></td>
</tr>
<tr>
<td>Metals Quiz</td>
<td>10</td>
<td>75% - 68% = D</td>
</tr>
<tr>
<td>Solder Sampler</td>
<td>25</td>
<td>67% - 0% = F</td>
</tr>
<tr>
<td>Fabrication/Stone-set Project</td>
<td>100</td>
<td></td>
</tr>
<tr>
<td>Exam</td>
<td>100</td>
<td></td>
</tr>
<tr>
<td>Wire solution</td>
<td>100</td>
<td></td>
</tr>
</tbody>
</table>

All projects and sketchbook are to be present at the final critique.

Casper College may collect samples of student work demonstrating achievement of the above outcomes. Any personally identifying information will be removed from student work.

**Attendance:** 300 points (This is a third of your grade.)

Attendance is required since lectures, discussions, visual presentations, demonstrations and critiques will not be repeated.

Consistent working habits play a strong role in any studio activity, and become a factor in your grade. You must be physically present in class during the entire 3-hour scheduled class period minus 2 10-minute bio breaks to count towards attendance.

Breaks generally take place 10 minutes on the hour. The Casper College catalogue states: “students are expected to attend all classes for which they are registered, are accountable for all class work during an absence, and that excessive absences may result in a lower grade.” In this class, more than 3 absences is considered excessive. 5 absences will result in a grade no higher than D.

Try to consider this as a job and you get paid in points. Daily attendance is worth 10 points. When absent, it is your responsibility to find out what was missed in class. I suggest adopting a buddy for this purpose.

In order to pass this course, you must attend the final critique & final clean up day during finals week! (The entire 2 hours)

Attendance is mandatory for the college scheduled final.

**Auditing Status:** Students auditing the class are held accountable to the same attendance policy noted above as students enrolled for credit as stated in the Casper College catalog.

**Effort / Initiative:** 65 points

This part of your grade has to do with your willingness to participate in discussions and critiques, to be open to new ideas, and your willingness to experiment in your work. It also has to do with your work ethic: how well you use your time in class, meet deadlines, listen to instructions, apply what you learn in critiques and ask questions when you need further clarification. Care of the studio and clean up are also part of this grade.

**Textbook:** Complete Metalsmith by Tim McCreight - not required, but very useful.

**Sketchbook:** 50 points (See attached sketchbook page for specifics.)

You are required to maintain a sketchbook for this class. The point is to have a single book to contain documentation of each project before, during and after completion in the form of drawings and notes. Additionally, notes made during demonstrations and lectures and artist research should be contained within the sketchbook. This is your personal thinking and learning tool and should become your best friend!

Always bring your sketchbooks for use in class!

**Tools & Supplies:** (Please see the supply list at the end of the syllabus.)

There is a required tool kit that can be purchased in the Casper College Bookstore for approximately $149.50 plus tax. Metals and abrasives can be purchased in the studio by paying a tab in advance of actual purchase.
When paying your tab in the accounting office in the Gateway building, refer to Art Supply Reimbursable Account 10-110-110103-9149 for Jewelry. Bring the receipt to the instructor to obtain supplies you have paid for. Paying for supplies is the responsibility of the student. Count on budgeting around $100 to cover materials and supplies.

Class Policies:
- **Expect additional work outside of class:** A studio class is designed to allow for time needed for hands-on learning, however additional outside class work will be necessary to meet deadlines. Count on spending at least 3-6 hours outside of class each week to get the most from your investment in this class. Time invested in each project will directly affect your level of craftsmanship and the development of your jewelry concepts.
- **Clean up:** We will begin 10 minutes before the end of class. Everyone is responsible for clean up. No one leaves until clean up is finished.
- **Absence:** tardiness, leaving early, and missing critiques and introductions to new assignments will affect the final grade.
- **Social conversation:** is discouraged. This is a visual and hands-on discipline, not a verbal one. Talking invariably affects the quality of your work and the work of those around you.
- **Use of Studio Tools:** You may use ONLY the studio tools whose use has been demonstrated BY THE INSTRUCTOR or designated student. Should you miss a demonstration, it is YOUR responsibility to let the instructor know so arrangements can be made for proper instruction.
- **Tools are never to leave the studio!**
- **Safety:** Students are expected to abide by safe practices when working in the metals studio. This includes the use of eye protection when pickling, soldering, drilling, grinding, polishing and casting. In addition, students using the metals studio must cover their toes. (Flip-flops are not allowed in the studio).
- **Electronic Devices:** We will turn off all electronic devices including cell phones, beepers, i-pods, mp-3 players, etc. during class and place them out of sight. For safety reasons, we will not use headphones or personal stereos while working in the metals studio. Music will be permitted as approved by the instructor.

Student Rights and Responsibilities:
Please refer to the Casper College Student Conduct and Judicial Code for information concerning your rights and responsibilities as a Casper College Student.

Chain of Command:
If you have any problems with this class, you should first contact the instructor to attempt to solve the problem. If you are not satisfied with the solution offered by the instructor, you should then take the matter through the appropriate chain of command starting with the Department Head/Program Director, the Dean, and lastly the Vice President for Academic Affairs.

Your concerns can usually (and easily) be addressed at your Instructor's level. Often, an honest, frank, and respectful discussion is all that's needed. Only after this, can you move up the chain-of-command if the solutions presented are not to your satisfaction.

Academic Dishonesty – Cheating & Plagiarism:
Casper College demands intellectual honesty. Proven plagiarism or any form of dishonesty associated with the academic process can result in the offender failing the course in which the offense was committed or expulsion from school. See the Casper College Student Code of Conduct. Reproducing work found in texts or on the Internet is considered plagiarism.

Official Means of Communication:
Casper College faculty and staff will employ the student's assigned Casper College email account as a primary method of communication. Students are responsible to check their accounts regularly.

ADA Accommodations Policy:
If you need academic accommodations because of a disability, please inform me as soon as possible. See me privately after class, or during my office hours. To request academic accommodations, students must first consult with the college's Disability Services Counselor located in the Gateway Building, Room 344, (307) 268-2557, bxeuen@caspercollege.edu. The Disability Services Counselor is responsible for reviewing documentation provided by students requesting accommodations, determining eligibility for accommodations, and helping students request and use appropriate accommodations.

Last date to change to audit status or to withdraw with a W grade: April 14, 2016.
SAMPLE GRADING FORM

Student Name: _________________________________________________

METALS PROJECT: ______ Mixed Media 100 pts
                   ______ Spin-off 100 pts

____ Effort / Involvement: level of application & willing to challenge self
____ Commitment: willingness to work through the problem
____ Attitude: playful, willing to explore, experiment
____ Comprehension of the problem: How well does it answer the problem?
____ Craftsmanship: control of materials
____ Attention to materials: how well materials relate to each other & resulting work
____ Composition: positioning of elements (design)
____ Originality: uniqueness of solution
____ Quality and appropriateness of finding(s)
____ Over-all finish and presentation

100 POINT GRADING SCALE

100-92 A
91-84 B
83-76 C
75-68 D
67- 0 F

10 PERFECT
9 EXCELLENT
7 AVERAGE
6 PASSABLE
5 BELOW AVERAGE

4 POOR
3 VERY POOR
2 EXTREMELY POOR
1 MINIMAL
0 NON-EXISTENT
**SAMPLE EVALUATION FORM**
**METALS I**

**Name ___________________________**
**Semester ________________________**

**Projects & Written Work:**
- (10) Visual Inventory
- (40) Form Quiz
- (50) Sketchbook
- (100) Brooch
- (10) Metals Quiz
- (25) Solder Sampler
- (100) Fabrication / Stone-set Project
- (100) Exam
- (65) Wire solution

**Total Project & Written Points**

**Attendance:**
- (10) Absences (-10) _____ Days
- Missed critique/intro or absence before & after break
- (-20) _____ Number of times
- Late or left early (-5) _____ Number of times

**Total Attendance Points**

**Effort, Initiative:**

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>100% - 92%</td>
<td>900 - 828 A</td>
</tr>
<tr>
<td>91% - 84%</td>
<td>827 - 756 B</td>
</tr>
<tr>
<td>83% - 76%</td>
<td>755 - 684 C</td>
</tr>
<tr>
<td>75% - 68%</td>
<td>683 - 612 D</td>
</tr>
<tr>
<td>67% - 0%</td>
<td>611 - 0 F</td>
</tr>
</tbody>
</table>

**Total Points:**

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>100% - 92%</td>
<td>900 - 828</td>
</tr>
<tr>
<td>B</td>
<td>91% - 84%</td>
<td>827 - 756</td>
</tr>
<tr>
<td>C</td>
<td>83% - 76%</td>
<td>755 - 684</td>
</tr>
<tr>
<td>D</td>
<td>75% - 68%</td>
<td>683 - 612</td>
</tr>
<tr>
<td>F</td>
<td>67% - 0%</td>
<td>611 - 0</td>
</tr>
</tbody>
</table>

**Grade: _____________________**

**A Exceptional work:** High level of understanding process and concepts, completion of all assignments on time, excellent attendance, outstanding overall participation in the studio, high level of improvement demonstrated.

**B Good work:** Above average understanding of process and concepts, completion of all assignments on time, excellent attendance, above average participation in class.

**C Acceptable work:** Basic level of understanding of process and concepts, completion of assignments, good attendance, average level of studio participation.

**D Below average work:** Lack of effort, lack of understanding of process and concepts, poor attendance, assignments poorly completed or missing.

**F Course requirements were not met, or work was produced inadequately, or both.**
Metals Sketchbook
50 Points

The sketchbook should be an active repository of information for you developed by you. This is your personal thinking and learning tool! Use it to research and develop ideas for all of your projects in Metals, sketching out ideas, including images that stimulate your thinking and creativity in this class.

It should also include various notes on the Language of Form, safety issues, names and use of tools, equipment and processes demonstrated in class.

The sketchbook will be graded based on how well it is utilized as a resource for notes, reference, designing and planning projects.

Your sketchbook should include sketches for all projects, documenting your projects and thought processes before, during and after completion.

Prep Lists should also be included. These help you decide what needs to be done next and in what order. This tool becomes increasingly important as your projects take on more complexity.

This is your primary tool! Bring it to class and use it!
It will positively affect your work.

Notes and sketch/studies should include:

- Language of Form
- Notes on Safety
- Notes on Procedures and processes used in the metals studio
- Sketches for all projects – This is your research!
  Metals I:
  - Brooch
  - Fabrication / Stone set work
  - 80% Wire Project

  Metals II:
  - Cuttlebone Casting
  - Sand Casting
  - Carved Wax Ring
  - Manipulated Wax Casting
  - Cast Component Project

  Metals III, IV & Special Projects:
  - All projects for this class
Beginner Jewelry Tools

**Metals I Kit:**
- Saw Frame
- Saw Blades  #1/0
- " "    #2/0
- Solder Pick
- #2 Grobet 1/2 Rd. File
- Chain Nose Pliers
- Tweezers
- 3/32 Shank Drill set
- Charcoal Block
- Scribe
- #2 Half-Round Needle File

**Bring from home:**
- 6" metal ruler
- 3M type dust mask
- Scotch Brite pad
- 0.5mm pencil
- Tea towel or diaper
- Solder brush: make-up brush / water color brush
- Toothbrush
- X-acto knife
- Steel wool
- Sand paper: 600, 400, 320, 220

**Approximate Cost:** $149.50 + tax @ in the Casper College Bookstore.

The following can be purchased in the studio:
- Metals (sterling silver, bronze, copper in sheet & wire)
- Solders
- Buffing wheels, mandrels & some abrasives
- Saw blades
- Flux
- Some findings

Bring a toolbox if you are not going to store tools in your bench.

*It’s a good idea to mark your tools!*
<table>
<thead>
<tr>
<th>wk</th>
<th>date</th>
<th>Tuesday</th>
<th>date</th>
<th>Thursday</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>19 Jan</td>
<td>Supplies &amp; Expectations Studio set-up</td>
<td>21 Jan</td>
<td>Introduction to Form</td>
</tr>
<tr>
<td>2</td>
<td>26 Jan</td>
<td><strong>DUE:</strong> Visual Inventory Intro to Project I: Brooch</td>
<td>28 Jan</td>
<td><strong>Quiz:</strong> Form Demos Studio Work Day: Brooch</td>
</tr>
<tr>
<td>3</td>
<td>2 Feb</td>
<td>Demos Intro to Project I: Brooch</td>
<td>4 Feb</td>
<td>Demos Studio Work Day: Brooch</td>
</tr>
<tr>
<td>4</td>
<td>9 Feb</td>
<td>Studio Work Day: Brooch</td>
<td>11 Feb</td>
<td>Studio Work Day: Brooch</td>
</tr>
<tr>
<td>5</td>
<td>16 Feb</td>
<td>Studio Work Day: Brooch</td>
<td>18 Feb</td>
<td><strong>CRITIQUE:</strong> Brooch Intro to Project II: Fabrication</td>
</tr>
<tr>
<td>6</td>
<td>23 Feb</td>
<td>Intro to Project II: Fabrication</td>
<td>25 Feb</td>
<td>Studio Work: Solder Sampler</td>
</tr>
<tr>
<td>7</td>
<td>1 Mar</td>
<td>Demos Intro to Soldering</td>
<td>3 Mar</td>
<td>Demos <strong>DUE:</strong> Solder Samplers (end of class)</td>
</tr>
<tr>
<td>8</td>
<td>8 Mar</td>
<td><strong>DUE:</strong> Sketchbook Demos Studio Work Day: Fabrication</td>
<td>10 Mar</td>
<td>Demos Studio Work Day: Fabrication</td>
</tr>
<tr>
<td>9</td>
<td>15 Mar</td>
<td><strong>SPRING BREAK</strong></td>
<td>17 Mar</td>
<td><strong>SPRING BREAK</strong></td>
</tr>
<tr>
<td>10</td>
<td>22 Mar</td>
<td>Demos Studio Work Day: Fabrication</td>
<td>24 Mar</td>
<td>Studio Work Day: Fabrication</td>
</tr>
<tr>
<td>12</td>
<td>5 Apr</td>
<td>Studio Work Day: Fabrication</td>
<td>7 Apr</td>
<td><strong>CRITIQUE:</strong> Fabrication / Stone set</td>
</tr>
<tr>
<td>13</td>
<td>12 Apr</td>
<td>Introduction to Final Project</td>
<td>14 Apr</td>
<td>Studio Work Day: Final Project</td>
</tr>
<tr>
<td>14</td>
<td>19 Apr</td>
<td>Studio Work Day: Final Project</td>
<td>21 Apr</td>
<td><strong>Metals Quiz</strong> Studio Work Day: Final Project</td>
</tr>
<tr>
<td>15</td>
<td>26 Apr</td>
<td>Studio Work Day: Final Project</td>
<td>28 Apr</td>
<td><strong>Metals Test</strong> Studio Work Day: Final Project</td>
</tr>
<tr>
<td>16</td>
<td>3 May</td>
<td><strong>$ ALL STUDIO BILLS PAID</strong> Studio Work Day: Final Project</td>
<td>5 May</td>
<td><strong>FINAL CRITIQUE:</strong> Final Project <strong>DUE:</strong> Sketchbook</td>
</tr>
<tr>
<td>17</td>
<td></td>
<td><strong>FINALS WEEK</strong> May 9 – 12</td>
<td></td>
<td>Final Meeting Time to be Announced. You must be present to pass the course.</td>
</tr>
</tbody>
</table>

Schedule & Assignments Subject to Change