“Art enables us to find ourselves and lose ourselves at the same time.” Thomas Merton

Instructor: Natalie Macellaio  
Instructor email: nmacellaio@dcccd.edu  
Office Hours: Monday- Wednesday 9-12  
Contact Information: 972-860-4722  
Office Number: D120

Prerequisites Recommended:
For Art Majors – ARTS 1311, ARTS 1312, ARTS 1316, and ARTS 1317

Course Title and Information: ARTS 2341 (3 credit hours) Art Metals I

Catalogue Description: This course explores the uses of metal in design, basic fabrication techniques in metal, bezel setting of stones and simple casting. Emphasis is on original design. (2 Lec. 4 Lab.)

Course Objectives: The focus of this course will be to introduce you to the concepts, vocabulary and techniques used in Jewelry and Metalsmithing. This course is structured to serve the beginning student and therefore we will introduce a basic knowledge of hand tools and other techniques that are at the basis for working with non-ferrous metals. The students will learn several different techniques in how to create a 3-dimensional form in metal and will also be encouraged to try new processes to achieve the desired results. There will be an emphasis on the elements of design (line, shape/form, value, texture, and space) and how these elements relate to a 3 dimensional form. The students will also learn how to arrange the elements according to the principles of design: balance, contrast, emphasis, proportion, movement, repetition, rhythm, economy, unity and variety. Students are expected to learn relevant vocabulary used in the studio and apply it when critiquing the work. Continuing Education Students: Students taking the course under C.E. are expected to follow the syllabus and participate in critique with the class.

Work Ethic: Students are expected to work during class and outside of class every week. Most of the techniques and materials we will be working with will be new to the student and will require extensive time outside of class to complete the projects to a high standard. Just because a project is completed does not guarantee an A for the project. You will always have the opportunity to remake/fix a project once it is turned in on time.

Attendance: Students are expected to attend classes, arrive on time and work until the end of class. This is the only time scheduled for students to use the equipment provided in the lab, as well as the use of the instructor's knowledge. Attendance will be taken every class. You will be given 3 free absences. Your final grade will be lowered one letter grade after your fourth absence. It is your responsibility, not the instructor's, to make sure you obtain any information missed. Demonstrations and presentations are done at the beginning of the class and contain a lot of information so arrive on time. Tardiness will also negatively affect your grade, you will have a 5 minute grace period and after that 3 late arrivals will count as 1 absence.

Cell Phones/PDA's Laptops or Headphones: Very simple rule here: turn them off while others are speaking in class. I have been known to answer student phones and say totally bizarre things about why you cannot come to the phone! Please keep them turned off when others are presenting in class so that you may give them your full attention. No text messaging please. This time will fly by and it will be beneficial to you to make the most of it. We are in class together so I will encourage you to talk to one another, give advise, ask questions and share ideas. The only good reason for your electronic device to be on during class is to look up something that relates to the class!

Safety: In this class the students will be working with a variety of equipment, from hand tools to industrial machinery. Safety will be our #1 priority to insure that we have a successful semester. There will be proper clothing requirements and safety requirement that need to be followed in order to work in this studio. Dust masks and eye protection must be worn when
necessary and close toe shoes are required whenever you are in the studio. If there is any equipment that you have not been given a demonstration on then you must have the instructor there to assist in using the tool.

**DRESS CODE:** For student safety, we require a dress code when you are in the studio.
- Closed toed shoes (preferably leather tops and rubber soles)
- No heels or slippery shoes in the studio
- When casting students will be required to wear boot covers if they do not have proper shoes on.
- No spaghetti strap tank tops (no mid-drift showing)
- No skirts or dresses without pants/tights or leggings on underneath
- Shorts that go down to the knees (or wear an apron while in class)
- Tie long hair back in a bun
- No loose clothing (scarfs and hoodies need to be taken off while in class)

**Open Studio Hours:**
Monday/Wednesday: 9am to 1:20pm and 4:20 to 6:30pm
Tuesday/Thursday: 9am to 1:20pm
Friday: 9am to 5pm

**THE WOOD SHOP IS ONLY OPEN WHEN NATALIE and/or ADAM ARE PRESENT**

**ASSIGNMENTS:**
**Project 1: Layers and Patterns and Layers 100 pts.**
Students will be shown images of professional work as well as student work as it pertains to sawing, piercing, coloring and cold connections. There will be a demonstration given on the techniques that will be used. Students will create sketches of their ideas, construct a Bristol board model of the form, make a sample piece with riveting and sawing and piercing, and finally construct the project.

**Project 2: Containment 100 pts.**
This project will begin with forming and construction of a larger piece of metal. Students will learn how to create volume through forming and soldering. They will also learn how to create a hinge or a fitted lid that will be attached to the container.

**Project 3: Souvenir 100 pts.**
Students will design a souvenir for where they live, people they know or an event they attended. Historical and contemporary souvenirs will be researched and sketches and samples will be created before the final souvenir is complete.

**Project 4: Abstract Expressionist- 100 pts.**
Students will use the process of forming metal and enameling to recreate an Abstract Expressionist painting.

**Sketchbook Project:** 100 pts.
Students will turn in their sketchbook at the end of every project and graded based on research, exploration and planning for each project. Photographs, scraps of material, drawings, notes, and measurements can all be included in your sketchbook.

**STUDENT LEARNING OUTCOMES:**
1. The student will be able to identify the principles and elements of design, as they pertain to Jewelry and Metalsmithing.
2. The student will have the ability to demonstrate construction methods that include forging, sawing and piercing, soldering, bezel setting, texturing and lost wax casting.
3. The student will have the ability identify the unique differences in working with a variety of metals including copper, brass, bronze, nickel silver and sterling silver and aluminum.
4. The student will be able to use critical thinking skills in the area of aesthetics as it pertains to Jewelry and Metalsmithing beyond the commercial and social aspects of the field.

RECOMMENDED READINGS AND WEBSITES:
“Metalsmith” and “Sculpture” Magazine
The Complete Metalsmith written by Tim McCreight: Amazon- $14.95
www.charonkransenarts.com
www.museumofcontemporarycraft.org
www.velvetdavinci.com
www.siennagallery.com
www.snagmetalsmith.org

GRADING: Your grade will be based on the average of 4 projects and a paper/presentation. The percentages are as follows: Each Project and the Paper/Presentation are worth 100 pts. Totally 500 points

A= 450 to 500 points, B= 400 to 449, C= 350 to 399, D= 300 to 349, F= 299 or less

A rubric will be available on ecampus for each project and will give the specifics for grading but in general will be based on the following:

1. Sketchbook/ Model out of paper
2. Concept/Design
3. Craftsmanship / Construction
4. Critique/Participation

Sketchbook/Planning
- At least 10-15 possible sketches for each assignment
- A complete 3-D model (when necessary)
- Notes on demonstrations and vocabulary
- Notes on your design concepts, technical problems and any resulting design changes

Concept/Design
- An increase of the 3 dimensionality of your work
- Exploring the materials to the fullest extent
- Avoidance of pre-existing designs or symbols – all new, original designs

Craftsmanship / Construction
- Solid, stable construction
- Accurate lines, edges, fittings, etc.
- Complete and purposeful finished textures – rough or smooth

Critique/ Participation
- Arrival on time – door will be closed 5 minutes after class start time and you will be late. 15 points will be deducted from you total project grade if you miss critique, you have until the next class period to turn in your project.
- Come prepared- bring sketchbook, project handouts, completed project and any experiments or early attempts

Brookhaven College Syllabus Addendum:

Academic Calendar:
https://www1.dcccd.edu/catalog/GeneralInfo/AcadCalendar/academic_calendar.cfm?loc=BHC
The professor has the right to change the syllabus at any point in the semester

ART METALS 2431
Brookhaven College School of the Arts
Supply List

ORDER FROM RIO GRANDE: 1 (800) 545-6566  www.riogrande.com

<table>
<thead>
<tr>
<th>ITEM</th>
<th>RIO GRANDE PART NO.</th>
<th>COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>Saw blades</td>
<td>110-310</td>
<td>$3.73</td>
</tr>
<tr>
<td>#3 pkg/12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>#1 pkg/12</td>
<td>110-308</td>
<td>$3.73</td>
</tr>
<tr>
<td>(Silver is Optional) (everything in red is optional)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sterling wire, 12ga. 2ft</td>
<td>100-312</td>
<td>Market Price</td>
</tr>
<tr>
<td>Sterling wire, 16ga. 4 ft</td>
<td>100-316</td>
<td>“</td>
</tr>
<tr>
<td>Sterling sheet, 20ga. 2”x6”</td>
<td>100-120</td>
<td>“</td>
</tr>
<tr>
<td>Sterling sheet, 18ga. 1”x6”</td>
<td>100-118</td>
<td>“</td>
</tr>
</tbody>
</table>

or Purchase from McMurry Metals  (214) 742-5654

Copper sheet, 18 or 20 ga., 12” x 12”  132-118  $13.00

(Brass sheet, 18 or 20 ga.  130-120  $11.00)

Aluminum Sheet 16 or 18 ga. 6”x 12” Turner Hardware  (1000 or 6000 grade)

or Metals Supermarket 1216 Dolton Dr. Dallas, TX 972-445-2008

PURCHASE FROM MICHELAS OR JOANN’S ARTS AND CRAFTS

5” flat pliers without teeth
5” cutters
5” round tapered pliers ($6.99 ea. or $9.99 for 5 pair by Westrim Crafts)
Ultra fine point sharpie  Masking tape
Ruler  Exacto Knife
Sketchbook  Small paint brush
Rubber cement  Supply box (shoe box, tackle box, etc…)
scissors  matte board, construction paper

The Complete Metalsmith, by Tim McCreight  Amazon $14.95

PURCHASE FROM HARDWARE STORE

Copper wire, 8 ga. 3 ft. (this will be in the electrical section)
Copper wire, 14 ga. 3 ft. (this will be coated, make sure it is solid core)
8 in. mill file
Sandingpaper, 2-3 sheets of each 180 and 220 grit
Waterproof sandpaper, 3 sheets of each 320 and 400 grit
Scotchbrite scrubbing pads or #0000 steel wool
Color Pencils

SAFETY EQUIPMENT

<table>
<thead>
<tr>
<th>Item</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ear plugs</td>
<td>rubber gloves</td>
</tr>
<tr>
<td>safety glasses</td>
<td>apron</td>
</tr>
<tr>
<td>dust mask</td>
<td></td>
</tr>
</tbody>
</table>

JUST STUFF

old towel
old toothbrush
found objects