Jewelry and Metalworking I
ART 240.001

Instructor: Korey E Burns
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Office Hours: T 1-4pm / by appointment
Spring 2018
MW 5-7:40
Room-ART 135

Course Description:
This is an introductory course in metalworking and jewelry. This studio course is designed to develop the ability to create analyze, interpret, and evaluate art. With introductory metalworking and jewelry, the student will learn to be a more effective problem solver and increase their ability to critically evaluate future problems at hand. This class consists of demonstrations, discussion, lecture, quizzes, and hands on practice, in which emphasis is placed on learning specific techniques and finishing practices. The student will be encouraged to pursue his/her own personal direction and ideas.

It is essential for students to attend and work diligently every session. With hard work and patience, each student will gain appreciation for the art of working with metal.

Program Learning Outcomes:
- To understand materials, techniques, and media used in metal working
- To demonstrate understanding of contemporary art issues through exploration of content, problem solving and creativity.
- To be knowledgeable of foundations skills as they relate to the elements and principles of design.

Student Learning Outcomes:
- Efficiently- students will be able to create designs in a fashionable manner.
- Communication- students will be comfortable responding in critiques and expressing their ideas through their designs.
- Knowledge- students will obtain knowledge of the history of metals fields, names of tools, continent drivers and conceptual motivations for artists.
- Development-students will find their own creative inspiration and gain time management skills

Recommended Textbook:
- The Complete Metal smith, by Tim McCreight
We also have multiple books in the studio that you can check out and borrow. Make sure you fill out the check out list for any tools or books – please ask permission.
**Course Requirements:**
- Class time cannot be made up; therefore more than 3 absences will result in the loss of one full letter grade from the final grade. Your grade will continue to drop a letter grade with each additional absence.
- **Access to D2L**
- **Arrive on time,** with materials and designs ready prior to class and participate the entire time. Three late arrivals or early departures result in one absence. Students not participating in class are considered absent.
- **Do not miss critique day,** grade will be affected dramatically.
- **This is a three-credit class; there is a minimum of six to nine hours of work expected outside of class each week.** Open studio hours will be posted with advance students available for questions.

**Grading Policy:**
Your grade will be based further on your effectiveness to understand and apply the learning outcomes listed. More specifically, each project will be graded on the following categories: quality of finished projects, creativity and design concepts, craftsmanship, effort, preparedness, work in class, work outside of class, attendance, critique participation, development and improvement of skills, quizzes, and involvement with studio clean-up.

**Grading Scale:**

- 90-100 A
- 80-89 B
- 70-79 C
- 60-69 N
- 59 or below N or F (determined by your attendance)

**Course Projects:**
1. Piercing and Riveting
2. Quick Band
3. Band on Band
4. Hollow Construction
5. Your Choice

Projects 1-4 may be re-worked before the end of the semester and returned a second time if the student is unsatisfied with the initial grade. You will not receive the points back if project was late. Work is based evenly on craftsmanship, content and concept, creativity and difficulty, and participation. Last day to re-turn in work is May 1st.

**Attendance Policy:**
**Attendance is mandatory** to affectively understand assignments and material.
Students are given 3 absences afterward; 3 absences will result in the loss of one full letter grade from final grade. Late arrivals will not be tolerated; if continued, close door policy will be established five minutes after class has started and will result into an absence. Early departures will also result into an absence after three times.

**Sketchbook:**
Each student is required to complete at least five sketches per project in their sketchbook. It is also required to take notes during every demonstration and keep class handouts in your sketchbook. The sketchbook is for you; use it in any method that suits you and the class.

**General Safety Rules:**
- Use common sense. Be aware of your surroundings. Always have 2 people in the room.
- Do not use tools or machinery until you have had permission from your professor and proper instruction. If you feel uncomfortable or unsure using a piece of equipment or tool, ask the professor before use.
- No open-toes shoes.
- Only students enrolled in metals classes are allowed in studio.
- You have to have current TETANUS INOCULATIONS.
- Know the location of the eyewash, med kit, fire extinguisher, showers, baking soda, and telephone.
- Safety glasses must be worn when working with specified tools and while operating machinery. Wear ear protection when needed. Wear a respirator and use ventilation when working near fumes, chemicals, or dust.
- Keep hair tied back at all times. Loose clothing and jewelry is dangerous. If loose clothing can’t be tucked in, an apron is suggested. Long earrings and loose necklaces should be taken off during class. Wear cotton shirts instead of synthetic materials.
- Don’t come to class under the influences of drugs or alcohol; you will be asked to leave and will be responsible for any material that you have missed.
- Dull tools or broken tools are dangerous. Show the instructor immediately.
- Replace tools in proper storage spot when finished.
- No smoking, tobacco, or eating in studio.
- Drinks need to have a lid on them at all times.
- Report all injuries immediately.
- You may not bring chemicals, tools, or other metals into the studio without the professor’s approval.
- Only use headphones at your workbench.
- Do not use hammers on steel.
- Leave the studio cleaner than when you came in.

**Consideration Rules:**
- Do not interrupt or disrupt class—will be asked to leave.
• Do not be late
• Do not cut directly on tables- use cutting mat
• Do not tape sandpaper on desk-will provide sanding board.
• Keep desk clear of unnecessary clutter-you can get locker if your work is too large for storage.
• Don’t talk to people while they are using machinery or torch.
• No cell phone usage in the studio
• If we listen to community music everyone needs to agree on the selection
• If I offer more studio hours that I am hosting please be considerate that this my only time to make artwork.
• The computer is for research and design only.

Health and Safety in the Studio:
The three routes which toxic substances can enter the body are inhalations, ingestion, and absorption.

- Inhalation of airborne chemicals can affect nose, upper respiratory tract, and lungs. Upon entering the blood stream, they affect the blood, bone, heart, brain, and liver.
- Ingestion can result in an exposure to most of the internal organs and local action on the stomach wall.
- Absorption (skin contact) causes the chemical to enter through your skins into the bloodstream thus affecting some of the most sensitive areas of the body. It also causes allergic reactions and dermatitis from loss of protective skin oils.

Overexposure symptoms progress from headache, dizziness, blurred vision, loss of coordination, metal confusion, weakness, and fatigue to eventual loss of consciousness. Most acute effects of overexposure are short-term and the body can recover. However, chronic unsafe practices can create long-term health problems such as cancer, lung disorders, and reproductive systems damage. We will discuss materials throughout the semester so that you are safe from these issues.

Lab Material Fee:
The lab fee is billed to the student account. This fee covers studio materials such as acids, pumice, some metal, acetylene gas, natural gas, chemicals for patina, flux, yello ochre, etching solutions, sanding belts, large drill bits, sample materials for student use, torch tips, torch set-ups, cleaning materials.

General Art supplies:

You will be responsible for buying your own metal and materials that moves beyond what I have provided. Lean to conserve materials now.
**Arts Supplies you need:**
- Safety Glasses
- Lock (your preference)
- Sharpie marker extra fine
- Sandpaper (220,320,400)
- Whiteout

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**Academic Integrity (A-9.1)**

Academic integrity is a responsibility of all university faculty and students. Faculty members promote academic integrity in multiple ways including instruction on the components of academic honesty, as well as abiding by university policy on penalties for cheating and plagiarism.

**Definition of Academic Dishonesty**

Academic dishonesty includes both cheating and plagiarism. Cheating includes but is not limited to (1) using or attempting to use unauthorized materials to aid in achieving a better grade on a component of a class; (2) the falsification or invention of any information, including citations, on an assigned exercise; and/or (3) helping or attempting to help another in an act of cheating or plagiarism. Plagiarism is presenting the words or ideas of another person as if they were your own. Examples of plagiarism are (1) submitting an assignment as if it were one's own work when, in fact, it is at least partly the work of another; (2) submitting a work that has been purchased or otherwise obtained from an Internet source or another source; and (3) incorporating the words or ideas of an author into one's paper without giving the author due credit.

Please read the complete policy at [http://www.sfasu.edu/policies/academic_integrity.asp](http://www.sfasu.edu/policies/academic_integrity.asp)

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**Withheld Grades Semester Grades Policy (A-54)**

Ordinarily, at the discretion of the instructor of record and with the approval of the academic chair/director, a grade of WH will be assigned only if the student cannot complete the course work because of unavoidable circumstances. Students must complete the work within one calendar year from the end of the semester in which they receive a WH, or the grade automatically becomes an F. If students register for the same course in future terms the WH will automatically become an F and will be counted as a repeated course for the purpose of computing the grade point average.

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**Students with Disabilities**

To obtain disability related accommodations, alternate formats and/or auxiliary aids, students with disabilities must contact the Office of Disability Services (ODS), Human Services Building, and Room 325, 468-3004 / 468-1004 (TDD) as early as possible in the semester. Once verified, ODS will notify the course instructor and outline the
accommodation and/or auxiliary aids to be provided. Failure to request services in a timely manner may delay your accommodations. For additional information, go to http://www.sfasu.edu/disabilityservices/.

**Student Code of Conduct: Policy 10.4**

Classroom behavior should not interfere with the instructor’s ability to conduct the class or the ability of other students to learn from the instructional program. Unacceptable or disruptive behavior will not be tolerated. Students who disrupt the learning environment may be asked to leave class and may be subject to judicial, academic or other penalties. This policy applies to all instructional forums, including electronic, classroom, labs, discussion groups, field trips, etc. The instructor shall have full discretion over what behavior is appropriate/inappropriate in the classroom. Students who do not attend class regularly or who perform poorly on class projects/exams may be referred to the iCare: Early Alert Program at SFA. Information regarding the iCare program is found at https://www.sfasu.edu/judicial/earlyalert.asp or call the office at 936-468-2703.

**Course Calendar:**

**Week 1**

January 17<sup>th</sup>  
1. Review Syllabus - intro  
   Receive tools  
   Shop safety

**Week 2**

January 22<sup>nd</sup>  
1. Piecing Demo, File and sanding demo,  
   Sample Tags  
   Project 1 introduction  
January 24<sup>th</sup>  
2. Demo on rolling mill, textures, sheer cutters, layout design,  
   Finish solders tags

**Week 3**

January 29<sup>th</sup>  
1. Demo on cold connections, spacers, hidden rivets  
   Work on designs and rivet samples  
January 31<sup>st</sup>  
2. Liver of sulfur, torch fire patina, and burnishing demo  
   Work day

**Week 4**

February 5<sup>th</sup>  
1. Work day  
February 7<sup>th</sup>  
2. Work day

**Week 5**

February 12<sup>th</sup>  
1. **Project 1 rivet and piecing due**  
February 14<sup>th</sup>  
2. Band Ring Workshop

**Week 6**

February 19<sup>th</sup>  
1. Project 2 intro- Band on band demo  
February 21<sup>st</sup>  
2. Band on band demo – filing and sanding  
   Review ideas - Work day
<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Events</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week 7</td>
<td>February 26th</td>
<td>1. Work day - demo on buffing, review tumbling</td>
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<td>February 28th</td>
<td>2. Work day – quiz review</td>
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<td>March 5th</td>
<td>1. Quiz review – work day</td>
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<td>March 7th</td>
<td>2. <strong>Project 2 due</strong> - Project 3 Introduction</td>
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<td>Week 8</td>
<td>March 12th</td>
<td>1. Spring Break – no class</td>
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<td>March 14th</td>
<td>2. Spring Break - no class</td>
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<td>Week 9</td>
<td>March 19th</td>
<td>1 Demo on bending, scoring and folding, shaping frame, and soldering joints. Work on samples</td>
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<td>March 21st</td>
<td>2. Demo on dapping, circle punches, wire solder, tube fitting. Work on designs</td>
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<td>Week 10</td>
<td>March 26th</td>
<td>1. Finishing demos, Work day</td>
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<td>March 28th</td>
<td>2. Work day</td>
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<td>Week 11</td>
<td>April 2nd</td>
<td>1. Work day</td>
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<td>April 4th</td>
<td>2. Work day</td>
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<tr>
<td>Week 12</td>
<td>April 9th</td>
<td>1. Work day</td>
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<td></td>
<td>April 11th</td>
<td>2. <strong>Project 3 Due</strong> – intro to final</td>
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<td>Week 13</td>
<td>April 16th</td>
<td>1. forgings and bezel demo – design ideas</td>
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<td>April 18th</td>
<td>2. Work day</td>
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<tr>
<td>Week 14</td>
<td>April 23rd</td>
<td>1. Work day</td>
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<td>April 25th</td>
<td>2. Work day</td>
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<td>Week 15</td>
<td>April 30th</td>
<td>1. Work day</td>
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<td></td>
<td>May 2nd</td>
<td>2. Work day</td>
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<td>Week 16</td>
<td>MAY 10th</td>
<td><strong>FINAL 5-7pm</strong></td>
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