ART 4341.621 - Advanced Metals: Fabrication & Jewelry-Specific

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Fall 2020
11-1:40
Art 139/Hybrid

It is the student’s responsibility to meet with the instructor regarding special problems, advising, and class progress. Make sure to schedule your appointment during office hours.

Office hours on Zoom: W: 1:40-3:30; by appointment

Course Description:
Three semester hours, six hours studio, and six hours independent study per week.

This is an advanced course in metalworking and jewelry. This studio course is designed to develop the ability to create, analyze, interpret, and evaluate art. Students learn to express their thoughts in a variety of visual forms utilizing metal as a medium. 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:
1. Undergraduate students will demonstrate proficiency in studio foundation skills as they relate to the elements and principles of design.
2. Undergraduate students will exhibit a high level of proficiency in the use of materials, techniques and media.
3. Undergraduate students will demonstrate understanding of contemporary art issues through exploration of synthesis of content, problem solving and creativity.
4. Undergraduate students will define and state knowledge of Art Historical precedents.

Student Learning Outcomes: (referencing Bloom’s Taxonomy of Learning Domains)

Cognitive Learning Outcomes
☐ Knowledge- Student will define and state knowledge obtained about the history of the metals field, names of tools, historic context, content drivers and conceptual motivations for artists and basic knowledge of the properties of working with metal.
☐ Synthesis- Student will combine his/her knowledge of skills, craftsmanship, content drivers, historic references and design principles to create and invent their own art forms.
☐ Analysis and Evaluation- Through the practice of working critiques and final critiques, student will be able to discuss, share, contrast and comprehend the successes and difficulties in each work. Student will exercise professional practices involved with making, shipping, and exhibiting.

Affective Learning Outcomes
☐ Student contributes to organization and cleanliness of the studio. The practice of tool maintenance and cleanliness is essential to future practice in the field and the world. This participation will allow student to experience personal value and place in the program as a whole.
Psychomotor Learning Outcomes

☐ Student will learn to assemble, construct, fabricate and manipulate multiple materials using hand and machine tools (jewelers saw, sheers, soldering torch, files, chemical finishes, flex shaft, drill press, etc.) using traditional and contemporary techniques with consideration for safety rules.

Recommended Textbook:
The Complete Metalsmith, by Tim McCreight

We also have multiple books in the studio that you can check out and borrow.

Recommended Websites:
http://www.snagmetalsmith.org/
http://www.ganoksin.com
http://crafthaus.ning.com/
http://www.etsy.com/
http://www.enamelistssociety.org/
http://www.artjewelryforum.org/
http://www.klimt02.net/

Attendance:

Hybrid attendance:

*Students will be asked to sign in online and complete a quiz during every class day for their attendance. If a student is at the face-to-face meeting or working online, signing in for attendance is crucial.

*If a student is feeling Covid-19 or flu symptoms or have been in close proximity to a Covid-19 positive case, please do not attend class. Contact the SFA Health Clinic at 936.468.4008 or healthservices@sfasu.edu or your doctor to coordinate a Covid-19 test. Fill out a report on mysfa to report your Covid-19 test. If you are quarantined, you can still work in the online component, so make sure to sign in and maintain contact with me so that I can continue to help you complete your work. If you are missing class for a reason that requires an excuse, please contact the Office of Student Rights and Responsibilities.

• Unexcused absences over 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. If you know you’ll have more than two absences for school/sports, talk to me before the semester begins.

• Arrive on time, with all materials and designs ready prior to class and participate the entire time. Three late arrivals or early departures result in one absence.

• Missing a critique will dramatically affect your grade for that project.

• With a three-credit class, there is a minimum of six to nine hours of work expected outside of class each week. Please learn to set priorities and budget your time. Open studio hours will be posted. We will use signup.com to sign in for shop hours. I will send you an invitation to the calendar. Any problems...let me know. This is your time to get additional work done; take advantage of these hours.

• Lost work is missed work. Student must take care of his/her own work. Make sure that you keep your preparatory sketches.
**Academic Integrity:**
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 polity on penalties for cheating and plagiarism.
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. A full description of university procedures and penalties in response to cheating and plagiarism can be found in the on-line Student Handbook in the Academic Integrity section.

**Accommodation of Disabilities: Rights and Responsibilities of Students:**
To obtain disability related accommodations, alternate formats and/or auxiliary aids, students with disabilities must contact the Office of Disability Services, Human Services Building, Room 325, 468-3004 as early as possible in the semester. Once your information is verified, ODS will notify me and outline the accommodations. If you are pregnant or have any disability, consult a doctor before taking this class.

**Withheld Grades:**
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.

**Course Evaluations:**
Near the conclusion of each semester, students in the School of Art electronically evaluate courses taken within the COFA. As you evaluate this course, please be thoughtful, thorough, and accurate in completing the evaluation. Please know that the COFA faculty is committed to excellence in teaching and continued improvement. Therefore, your response is critical!

**Grading:**
Your grade will be based on your effectiveness to understand and apply the learning outcomes listed above. 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. Late pieces will adversely affect your grade.

**GRADING SCALE:**
Letter grades are assigned according to the following scale for the Final Average
Course Projects:

1. Sample Woven Chain: 70 pts
2. Hollow Construction Ring: 70 pts
3. Hollow Construction Project- 70 pts
4. Link and Chain Project- 100 pts
5. Your own bag of tricks- 100 pts
6. Final Critique and Cleanup- 50 pts
7. Sketchbooks- 90 pts
8. Attendance and participation (based on quizzes)- 135 pts

Your work must be completed and turned in for a grade during the critique. Projects may be re-worked before the end of the semester and returned a second time if the student is unsatisfied with the initial finished work. However, you will not receive points back for being late. Work is based on craftsmanship, content, concept, creativity, complexity, and participation. Last day to re-submit in work is 11/19 by 11:00.

Extra Credit:
There will be an opportunity to write two papers to earn up to ten points each. The paper should be a well-written 2-3 page paper about a contemporary artist in the metals and jewelry field. At least two sources are required and one must be something other than an Internet source. Make sure to include at least one pictorial example of your artist’s work. The paper must be well written and grammatically correct. (Go to the writing center at the library for help.) Last day for extra credit and re-submit work is 11/19 by 11:00.

Sketchbook:
Each student will be required to complete online design “sketches”. Individual prompts will be specified on d2l.

It is suggested that students keep a sketchbook during the semester. You can take notes during demos and catalogue any inspiration you may have along the way.

Lab Supplies:
This studio materials such as acid, pumice, some metal, acetylene gas, natural gas, chemicals for patina, flux, yellow ochre, etching solutions, sanding belts, large drill bits, sample materials for student use (ex. wax), torch tips, torch set-ups, cleaning materials… will be provided to the students as far as our budget will allow. Please conserve material so that you won’t have to buy materials with your own money.

General Art Supplies:
You will be responsible for buying your own metal and materials that moves beyond what I have provided. We’ll discuss this as we proceed; it is a responsibility of an artist to pay for materials. It’s a realistic concern that you will always have. Learn to conserve material now.

Art supplies that you must purchase on your own:

Masks (You are required to wear a mask the entire time you are in the metals studio)
Safety Glasses
Sandpaper (220,320,400)
Sharpie marker extra fine
**White-out**
Supplies that you may want to have:

- Lock (your preference and responsibility)
- Apron
- Rubber, latex or disposable gloves
- Flux brush
- Hand sanitizer
- Small box for soldering supplies

**Suppliers**
Rio Grande- tools and materials  
[http://www.riogrande.com](http://www.riogrande.com)
Otto Frei  
[http://www.ottofrei.com](http://www.ottofrei.com)

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**HEALTH AND SAFETY IN THE STUDIO**
The three routes through which toxic substances can enter the body are inhalation, ingestion, and absorption (skin contact).

- **INHALATION** of airborne chemicals can affect the nose, upper respiratory tract, and lungs. Upon entering the bloodstream, 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 skin 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, mental 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 system damage. We will discuss materials throughout the semester so that you are safe from these issues.

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**Covid-19 Rules:**

Procedure for entering the studio.

1. Make sure that you are **wearing a mask** before entering the studio and during your entire time in the studio. If you are working during open shop, make sure that you arrive during the time that you signed up for. Wearing safety glasses the entire time will add to our protection.
2. Unlock the door, place the key back and shuffle the numbers. Turn on the light.
3. Immediately wash your hands for 20 seconds.
4. **Turn on the ventilation for your entire time in the studio.**
5. Turn on gas and torch lines.
6. Turn on pickles.
7. Wash your hands for 20 seconds one more time and get to work.
8. When we use tools, we will need to leave them out during class in order to sanitize them before returning them to their proper storage space. Any tool that you use for
an extended time, leave it on your desk and clean it when you are finished working.
9. Avoid touching your face. We have to be very careful because we share so many tools.
10. Do NOT come to class if you are sick or have any symptoms of Covid-19 or the flu. Please email your professor immediately, so an online equivalent can be arranged.
11. No eating or drinking in the studio! We will take breaks often so you can go outside.
12. Make sure that all tools are dry and put away before leaving the classroom.
13. Get a locker to put your backpack and phone (unless you must have it during class). Having personal items outside of the studio space will make it easier for you to avoid taking germs home.

Procedure for leaving the studio.

1. The last 25 minutes of class will be saved for cleaning our desks, drawers, and tools.
2. Sanitize all tools that are on your desk. Place them back in the appropriate location.
3. Clean and sanitize the designated areas of the studio that you are assigned.
4. Put all of your work in your top three drawers of your desk. Do not leave anything in the dustbin.
5. Clean and sanitize your desk and chair.
6. If shutting down the studio: Wash hands again. Turn off the pickle pots. Turn of the gas with the silver knobs. Push the gas-line emergency stop. Turn off the ventilation. Wash hands one last time. Turn off the light. Close the door.
7. It is suggested to shower and wash your clothes when you get home. If you use an apron, wash it often.

* Masks (cloth face coverings) must be worn over the nose and mouth at all times in this class and appropriate physical distancing must be observed. Students not wearing a mask and/or not observing appropriate physical distancing will be asked to leave the class. All incidents of not wearing a mask and/or not observing appropriate physical distancing will be reported to the Office of Student Rights and Responsibilities. Students who are reported for multiple infractions of not wearing a mask and/or not observing appropriate physical distancing may be subject to disciplinary actions.

General Safety Rules:

1. Use common sense. Be aware of your surroundings. Always have 2 people in the room.
2. Only students enrolled in metals classes are allowed in the studio. An outside person is never allowed to use tools unless otherwise instructed by the professor.
3. 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.
4. No open toed shoes! I will ask you to leave if you have sandals.
5. You must have current TETANUS INOCULATIONS. Make sure to call Environmental Health and Safety on campus if blood gets on anything.
6. Know the location of the eyewash, med kit, fire extinguisher, showers, baking soda, and telephone. If anything happens and you can reach the gas safely, turn it off.
7. 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. Use proper filter cartridges on your respirator depending on the materials you are working with. When using chemicals, such as patinas, proper ventilation, goggles and rubber gloves will be used.

8. Keep hair tied back at all times. 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. (Synthetics catch fire easily)

9. If you get pickle (a cleaning solution for metal) on you or it spills, neutralize it with baking soda and then rinse with water. Don’t put hot metal in the pickle; this causes dangerous fumes and the acid could splash on you.

10. Don’t come to class under the influence of drugs or alcohol, you will be asked to leave and will be responsible for any material that you have missed.

11. Dull tools or broken tools are dangerous. Show the instructor immediately.

12. No smoking (or smokeless tobacco) in the studio. No smoking on back porch. There are highly flammable materials outside.


14. You may not bring chemicals, tools or other metals into the studio without the professor’s approval.

16. Only use headphones at your workbench. Always keep the level of music at a volume where you can hear someone. However, you must remove headphones when the professor is speaking, presentations are given and ANY time you are using your flex shaft, rotary tool or torch.

17. Do not use hammers on steel.

18. Keep iron-based tools out of the acid. If you contaminate pickle accidentally, you will be asked to help with clean up. Mistakes happen, but this extra work will remind you not to let it happen again. Do not let tools get wet.

19. Leave the studio cleaner than when you came in.

Consideration Rules:

1. If you are interrupting or disruptive during the class, I will ask you to leave and not return until you have met with me during my office hours to explain why I've asked you to leave.

2. Do not be late as it wastes everyone’s time and time is precious for artists.

3. Do not cut directly on the tables. Use a chipboard mat or cutting mat. And do not drill directly into desk of drill press plate. Use wood scraps. Do not form on the tables; use a stump.

4. Do not hammer on your desktop; go to the stump to do forming.

5. Do not tape sandpaper on the desktops. I will provide a sanding board for this type of work.

6. Keep desks clear of unnecessary clutter. You are not allowed to store your materials on top of the desk, in the dustbin, or anywhere in the studio. Please discuss with the professor if your work is too large. Make sure to get a locker for your materials.

7. Don’t talk to people while they are using machinery. Maintain your distance when a student is on a machine or using a torch.

8. No cell-phone usage in the studio. Take it outside. Turn your cell-phone off the moment you come into the classroom. See me if you have an emergency call that you are waiting for.

9. If we listen to community music, everyone needs to agree on the selection.
10. If I offer more studio hours that I am hosting, please be considerate that this is my only time to make artwork and I’m allowing you to work during the same hours. If you have questions, ask a studio monitor, use common sense or look it up in a book before you ask. Set up an appointment so I have total focus on your needs.

11. I’d like to have the studio open as much as possible. Let’s work together to make this happen. If we have safety issues, I will have to close the studio at specific hours.

12. THE COMPUTER IS FOR RESEARCH AND DESIGN ONLY. THIS IS NOT THE COMPUTER FOR CHECKING EMAIL, FACEBOOK, INSTAGRAM... THERE ARE LABS ON CAMPUS FOR THESE THINGS. Sanitize before and after you use it.

13. Zoom consideration: Make sure that you are sitting in a professional manner during our Zoom discussions. We hope that you can use your video if you are comfortable in order to participate with the class. This professionalism will carry over after graduation.

Course Calendar:
Provided on Brightspace.

October 15: Critique
Dec 1: All Final Work due on d2l
Dec 8: Final Critique

The instructor reserves the rights to change, delete, or add to the course requirements and schedule at any time.