

MTLS 2303 METALS I –Spring 2019

COURSE INFORMATION

Course Title – Metals I

Course Prefix, Number – MTLS 2303

CRN#, Course Sec, CRN 21321, 001

Course Location – Fox Fine Arts A154

Course Meeting Times – MW 8:30 - 11:20am



INSTRUCTOR CONTACT INFORMATION

Instructor's Name – Professor David Griffin

Instructor's Office – Fox Fine Arts, Room A350B (Art Dept. Office)

Instructor's Office Hours – By appointment

Instructor's Email (preferred) and Phone – dfgriffin@utep.edu / 747-5941

INSTRUCTOR INTRODUCTION

David Griffin has been active as an artist and university educator for the past 28 years. He has returned home to El Paso, Texas to assume the position of Chair for UTEP's, Department of Art. He holds two degrees in Art, a BFA from Texas Tech University, Metalsmithing and Jewelry Design and a MFA from the University of Illinois, Metalsmithing and Jewelry Design. Griffin has exhibited his hollowware, vessels and jewelry regionally, nationally and internationally and his work has been published in such books as *500 Vessels*.

COURSE DESCRIPTION

Catalog / MTL 2303 Metals I:

Metals I (0-6) An examination of several basic metal techniques-sawing, soldering, forming, cold connections, and surface finishes. Six hours in studio per week.

Expanded:

Metals I is an introduction to the discipline of metalsmithing and jewelry design. This course will provide instruction and practical fabrication experience as it relates to the design and production of small-scale functional and or non-functional fine art contemporary objects of personal adornment. This course will provide students the opportunity to discover and utilize the processes and techniques unique to the field of Metalsmithing. Historic and contemporary precedents of Metalsmithing, as well as other creative work and relevant topics, may serve as inspirational points of departure and are presented and investigated during presentations, critiques, and self-directed research. Students are expected to develop both a competency in basic Metalsmithing skills through hands on problem solving and creative explorations of the technical, aesthetic, and conceptual aspects of wearable art, sculpture, and functional and non-functional objects. This course will utilize and reiterate concepts and terminology previously covered in Art Foundation Design course work.

COURSE PREREQUISITE INFORMATION

Students taking Metals 2303 are required to have completed ARTF 1301, ARTF 1302, ARTF 1303, and ARTF 1304, or instructor approval. Metals 2303 may be taken concurrently with ARTF 1303 and ARTF 1304. A student seeking prerequisite waiver must contact the instructor.

COURSE GOALS AND OBJECTIVES

Goals and objectives targeted in Metals 2303 include:

- Develop technical skills, vocabulary, and competency in working with metal
- Explore metal as a medium of personal aesthetic expression
- Introduce creative and technical experimentation
- Cultivate commitment and professionalism
- Expand awareness of historic and contemporary trends in the field of Metalsmithing
- Explore Metalsmithing's relationship to other art forms



COURSE OUTCOMES

Students who complete this course will have:

- Experience and development of basic Metalsmithing skills
- Distinguish safe and appropriate procedure and practices utilized in the studio
- Expanded technical knowledge of tools, processes, and terminology
- Awareness of historic and contemporary Metalsmithing
- Thoughtful and professional evaluative skills through participation in group critique and discussion
- Experience in pursuing an individual direction in creative problem solving
- Development of time management skills necessary to plan and complete long term projects

COURSE REQUIREMENTS

Metals I is a studio practice course designed primarily to serve the needs of the studio-based art major. Course style can be described as "hands-on" studio/lab with demonstrations, lectures and in-class work time. The in-class work time is structured to provide individualized instruction and assistance with the design/fabrication process. You will gain the most insight and feedback on your work during this time if you challenge yourself outside of class to make progress. Take advantage of your time in and out of class. This course will require significant additional work-time outside of class. Students should anticipate spending 6 hours in class per week and an additional 6-10 hours outside of class per week to satisfactorily complete this class. A serious student will discover that minimum involvement in the class is not sufficient to provide a quality performance. The 6 hours per week in class are to be used at the instructor's discretion with demonstrations, lectures, and in-class work time.

The course will be comprised of major creative assignments, technical assignments, samples, research, and sketching. Technical, formal, and conceptual requirements will be given via project prompts, power point presentations, demonstrations, and discussion. Your responsibilities as a student are to make an honest effort to master the assignments and challenges that are presented to you, to contribute positively to the learning experience of the class by being an active participant in all class activities, and to be respectful of the studio, the tools, and all others around you.

ASSIGNMENTS

The course will consist of three major creative assignments, a series of technical assignments, and samples. Research, designing, and modeling will be requirements for each assignment. These preparatory components are critical to the development of major projects, as they should reveal the breadth and scope of your interests, thought processes, and creative energy; they are also significant toward the evaluation of final assignment grades.

Late & Re-submission policies:

MAJOR CREATIVE ASSIGNMENTS will be introduced via presentation by the instructor and with a detailed assignment sheet. Your major projects are required to be turned in on time at the beginning of the class due date and in a completed condition. No late work will be accepted for major projects.

They will be graded as presented at grading times. After projects are returned they may be re-worked, finished, and/or improved and resubmitted before the end of the semester (see calendar for due date) for re-grading. The resubmitted projects new grade will be averaged with the original assigned grade to equal the final project grade.



IF NO WORK IS TURNED IN ON THE DUE DATE, THE STUDENT RECEIVES AN 'F' FOR THE PROJECT AND FORFEITS THE OPPORTUNITY TO RE-SUBMIT FOR A HIGHER GRADE.

For illness or emergency situations, an email should be sent before the critique (or as soon as possible) indicating the nature of the emergency, in order to turn work in late. No email = F for the assignment.

ALL OTHER TYPES OF ASSIGNMENTS (technical assignments, samples, research, designs, etc.) will be submitted at the beginning of the class for which the assignment is due, unless stated otherwise.

If this work is submitted late, 1/3 of the grade will be deducted for each class session that it is not turned in. After one week, late work will not be accepted.

COURSE EVALUATION/GRADING

1. Grading will be based on the completion of all projects, final exam and class participation.
2. Projects 80% - projects are graded with a total of 10 points. (3 projects)
3. Final Exam 15% - one written examination covering terms and concepts used in Metals I 2303.
4. Samples/Exercises, Class Participation, Studio Maintenance 5% - participation in all art classes is highly encouraged if true learning is going to occur. The free exchange of ideas between students and the instructor are a valuable tool and this interaction or lack thereof will be noted and recorded. Work will be done in class under the instructor's supervision. **Outside class-time will be required to complete projects.** Students will be graded on in-class participation in discussions, critiques, and for full participation in studio maintenance.
5. Due dates will be announced and work will be ready for critique on time! Late work will be marked down as noted above. Make-up work will be granted only with a valid excused absence and should be discussed immediately upon return with the instructor. Accepted reworked projects will be regraded and averaged with original grade.

Grading Scale:

- A = (100 – 90) Clearly Superior - concept, execution, presentation. Goes above and beyond the stated requirements
- B = (89 – 80) Good - Appropriate elements and principles of design, technical skills and materials are being used to render a satisfactory project. Deficiencies remain and have been identified in critiques.
- C = (79 – 70) Average - Meets only the stated requirements.
- D = (69 – 60) Poor - The completed works and the student's attitude both show serious deficiencies with regards to the understanding and application of basic concepts as identified in the class.
- F = (59 – 0) Failing - The student consistently fails to meet deadlines and produces projects that fail to utilize design, techniques or materials.

Basic Grading Criteria:

1. Initial preparation-drawings, models, evidence of thoughtful research
2. Concept-intellectual basis for work / Fulfilling the assignment requirements toward competency
3. Building craft-technical skills of material manipulation / Craftsmanship and Finish

Critiques:

Group critiques are scheduled at the completion of most assignments. Attendance with completed project and participation is mandatory. All assignments will be turned in at the completion of the critiques. Any work turned in after the critique that was not discussed is considered late and will result in a lowered grade. Critiques are used to gauge the student understanding of the core concepts covered for that project and cumulatively throughout the semester.

Late Assignments, Make-up Work and Exams:

Late assignments, make-up work, and make-up exams are only afforded in the case of an excused absence by arrangement and approval of the instructor.

COURSE POLICIES

Attendance Policy:

Attendance, punctuality, participation and appropriate class conduct are considered performance criteria for this class. Failure to perform to required standards will result in strong grade penalties and can cause failure of this course.



- Each student is permitted 3 absences during the semester without penalty. Students with more than 3 absences should consider dropping this course and retaking it at a time when the student can commit the proper attention to the course. After 5 unexcused absences, the student will be dropped from the course.
- Each unexcused absence after 3 will result in the final course grade being lowered by 1 full letter grade. Absences after the first 3 can be excused only if the first 3 absences are excused.
- Excused absences are defined as documented illness, serious illness, death in the immediate family or official UTEP related academic requirement. Court dates are not excused absences. Discuss absence concerns immediately with the instructor.
- Coming to class late or leaving early is regarded and graded as being absent. All students are required to attend class on-time and to remain in the class the entire time. Entering class late and leaving early is disruptive to the learning environment.
- Coming to class unprepared or attending class and not working is regarded as absent.
- Information missed during an absence is the sole responsibility of the student.

Course Participation:

- Participation in all discussions, critiques and class days is required for this course.
- Development and execution of class projects must be done utilizing all class meetings. Projects executed solely out of class will not be accepted.
- Participation in the collaborative group environment of the studio is essential to the successful completion of this course.

Incompletes, Withdrawals, Pass/Fail:

- Incompletes or "I" grades will be considered for students completing satisfactory or better work and having serious legitimate situations beyond their control requiring additional time to complete the course requirements. All "I" grades are at the discretion of the instructor and the approval of the Department Chair.
- Students hold full responsibility for withdrawing from this course if that procedure is elected. Withdrawals must be completed on or before the final date to drop a course with a "W". Students missing this deadline will be issued a grade for the performance in the course.
- MTL5 2303 Metals I is a grade-based course and is not available for audit or pass/fail options.

Class Conduct:

- **Sick Policy** – If you are not feeling well, or if you are sick, then you should not come to this class under any circumstances. You should instead seek medical care, and/or recuperate at home. Email me or call me when you are able and let me know the circumstances, and I will help you to catch up in class when you are feeling better. If you are pregnant, or have other physical issues such as allergies to dust, respiratory issues, anything that I should be aware of, please inform me of this immediately, and we will work to make you safe and comfortable. If a family member is ill, and you need to care for that person, please email me or call and let me know what your situation is.



- **Guests** – Guests are not permitted at any time during class. Please tell your friends, family members, partners, that they may see you before or after class time. You are expected to remain in class at all times, and may not step-out to visit with guests during class. You will be held responsible for adhering to this policy, and I will give you one warning. After that, I will ask you to leave class and you will be counted absent for that class period.

- **Children** – Children are not permitted at any time, ever, to be in the studios. The studios can be very dangerous places and constant supervision requires unfocused course work.

- **Cell Phones** – Please turn off your phones during class time. You will be asked to leave if your phone goes off during class, and be counted absent for that class period.

- **Music** – Music is not allowed during any instruction, lecture or during critiques. Students may listen to music at a low volume with headphones during any other class time as long as it does not disturb other students. It is expected that these devices will be switched off when asking questions of the instructor and or if the instructor is addressing the class as a group for comments or directions.

- **Open Studio** – The studio will be open outside of regular class hours for your general use at times posted within the first week of class.

- **Studio Safety** – All safety procedures will be explained to you throughout the semester, and every consideration has been taken to create a safe environment for you to work in.

- **Cleanliness**

You are required to clean up your work area in the studio every day that you work in the studio. If you leave the studio, you must clean up. Please put all of your tools, materials, etc. away in your lockers, and sweep/wipe down tables and throw trash away once you are finished using the labs. If you have difficulty cleaning up after yourself, you will receive a special tutorial on how to clean up after class. Art Lockers are available for check-out through The DoART Office, #350A.

- **Personal Safety** – If you must work alone, late at night, please be sure to let someone know where you are, and please keep a cell phone with you. If you feel unsafe for any reason, you should call the UTEP police immediately (747-5611). Additionally, if you would like an escort to your car at night, please call the UTEP Police department, and they should accommodate your needs. Please inform me if there is a problem, and I will address it immediately with the proper authorities.

- **Work Removal** – Finished works must be removed by the date set by the instructor of this course. All works left in the studio after this date will be removed and disposed. Any tools and supplies left will be considered orphaned and will become the property of the department.

UNIVERSITY POLICY STATEMENTS

Cheating/Plagiarism: Cheating is unethical and not acceptable. Plagiarism is using information or original wording in a paper without giving credit to the source of that information or wording: it is also not acceptable. Do not submit work under your name that you did not do yourself. You may not submit work for this class that you did for another class. If you are found to be cheating or plagiarizing, you will be subject to disciplinary action, per UTEP catalog policy. Refer to <https://www.utep.edu/student-affairs/osccr/student-conduct/academic-integrity.html> for further information.



Disabilities: All reasonable accommodations for students with limitations due to disabilities, including learning disabilities will be made and or provided. This course does require certain manual dexterity and physical abilities to complete the required projects. Please see me personally before or after class in the first two weeks or make an appointment, to discuss any special needs you might have. If you have a documented disability and require specific accommodations, you will need to contact the Center for Accommodations and Support Services in the East Union Bldg., Room 106 within the first two weeks of classes. The Center for Accommodations and Support Services can also be reached in the following ways:

Web: <https://www.utep.edu/student-affairs/cass/>

Phone: 915-747-5148

Email: cass@utep.edu

(Cut on line – return next class)

MTLS 2303 Syllabus Acknowledgment and Course Contract Acceptance

I have received and reviewed the course syllabus. I have had the opportunity to ask questions for clarification and I understand and agree to the conditions of this syllabus.

Course: MTLS 2303 Semester: Spring 2019

Name (print): _____

Signature: _____

UTEP Student ID #: _____

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Tool and Supply List

UTEP Intro Tool Kit Purchase: \$50.00

Perkins Jewelers Supply
1124 E. Yandell Dr.
El Paso, TX 79902
915-533-6565

Open 9:30-6pm Monday to Friday, closed weekends.
10% student discount with UTEP ID.



Intro Jewelry Kits:

Assorted needle file set

Assorted drill bits: #60, 55, 52

Saw blades: #2/0 (2 dozen), #4/0 (1 dozen)

6" steel tweezers with sharp non-serrated tip

Silver solder: Hard, Medium, and Easy (1ft. each)

Solder Pick

One small jar non-fluoride Flux

T-pins: 1 dozen

Wet/Dry Silica Carbide Sandpaper (black color): #'s 220, 320, 400, 600

20 gauge Copper sheet: 12" x 6"

Steel Wool

NOTE: Metal sheet and wire will be needed for assignments throughout the semester and you will be given advance notice to purchase what is necessary for projects, samples, assignments, etc. Also, be prepared to purchase extra of expendable materials such as but not limited to sawblades, drill bits, solder, sandpaper, etc.

Student Required Supply List:

<u>Safety/Lab Glasses</u>	<u>@ \$3.00 - 10.00</u>
<u>Sketchbook</u>	<u>@ \$7</u>
<u>Combo or Key Lock for Locker (optional)</u>	<u>@ \$2</u>
<u>Roll of masking tape</u>	<u>@ \$2</u>
<u>Pencils and eraser</u>	<u>@ \$2</u>
<u>Fine Point "Sharpie"</u>	<u>@ \$2</u>
<u>X-acto Knife w/ Blades</u>	<u>@ \$5</u>
<u>Small jar of rubber cement</u>	<u>@ \$2</u>
<u>Cheap Bar Soap (doesn't need to be new)</u>	<u>@ \$3</u>
<u>Cheap Small Soft Paint Brush</u>	<u>@ \$2</u>
<u>Small Art Supply / Tool / Tackle Box</u>	<u>@ \$2.00 – 10.00</u>
<u>Old - Dish Rag / Hand Towel / T-shirt (just one)</u>	<u>@ no cost</u>
<u>_____</u>	<u>@ \$25.00 - \$30.00</u>

UTEP Metals + Jewelry Studio Supplied Kit

The Metals Program checks out the following tools to you and one other student for use during the semester. It is the student's responsibility to maintain the good care of these tools, keep track of them, and to return them at the end of the semester in good condition. Any lost/damaged tools will need to be replaced by the last class day at the student's expense. Failure to do so will result in a hold of final grade submission.

- 6" Half-round #2 cut file with handle
- Jewelers saw frame, 4" or 5"
- Plier set: Chain, round, flat nose, side cutter
- 6" metal ruler
- Ring Clamp
- Center Punch



\$30.00 Studio/Lab UTEP Course Fee:

- Sparex / Pickling Solution – post-soldering cleaning acid
- Gases used for soldering
- General studio expendables
- General studio tool wear and replacement

Studio Communal Tools and Supplies

The studio has some of the listed items, as well as others, for communal use. However, that does not mean they are guaranteed to you. If there is a particular tool you like to use and use often, it is beneficial to purchase one for yourself.

Please help maintain the communal access to tools and equipment by ALWAYS putting items back in the appropriate place when you are finished with them. If you see a tool out and not being used, place it back in its spot. Please do not take tools home with you. GOOD STUDIO KARMA!

Local Supplies:

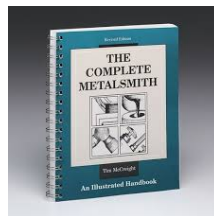
- Perkins Jewelers Supply
- Armor Metals
- Hobby Lobby
- Michael's
- Home Depot
- Lowes

Online Supplies:

- Rio Grande Jewelry Supply
- Contenti Jewelry Supply
- Ottofrei Jewelry Supply
- Metalliferous Jewelry Supply
- Reactive Metals Studio Inc.

Recommended Books:

The Complete Metalsmith by Tim McCreight



The Workbench Guide to Jewelry Techniques by Anatasia Young



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STUDIO HEALTH and SAFETY PROCEDURE POLICIES

Studio Safety

1. Tie back long hair when working.
2. Wear appropriate clothing, i.e. long pants, closed-toed shoes. Avoid loose clothing, ties, or scarves.
3. Wear apron to protect skin and clothing.
4. Wear eye protection when sawing and soldering.
5. Wear impact resistant goggles to protect against flying particles when using power equipment.
6. Wear ear protection during long exposed metalsmithing processes.
7. Wear rubbergloves, respirators, face shields, and specially designed aprons when appropriate.
8. Use equipment and materials with proper instruction and supervision.
9. Use proper ventilation and illumination when appropriate.
10. Turn off power equipment when not in use.
11. Keep benches clear of unnecessary clutter.
12. Use fire bricks, or annealing pans on bench when soldering or annealing.
13. Turn off torches when not in use.
14. Do not allow pickles, acids or any other liquids to boil.
15. Quench metal pieces in water to cool before cleaning in acid.
16. Flush all acid splashes or spills with water and neutralize with baking soda.
17. Clean up spills immediately.
18. Do not smoke or eat in the lab.
19. Never work alone in the studio.
20. The studio must be supervised by the instructor or studio assistant.
21. Report all injuries immediately.

Maintenance

1. Keep all tools away from sink and acid areas
2. Keep tools clean and dry. Water and flux cause rusting of hand tools and hammers.
3. To remove rust and to clean tools, rub with steel wool. Protect finished surfaces with WD-40.
4. Return all equipment and tools to proper storage cabinets.
5. Do not store unassigned tools in lockers or drawers.
6. Use tools properly. Don't use equipment without proper instruction.
7. Do not use pliers for soldering procedures.
8. Hammers are for forming and forging non-ferrous metals. Don't use hammers on steel.
9. Keep all tools out of the acid, except for copper tongs.
10. Leave the studio in a cleaner condition than you found it.

The Department of Art recognizes that possible hazards exist in the materials, processes, and technologies in the various fields of study in the visual arts. The faculty strongly recommend that students carefully study, review, and apply all safety information provided in classes through demonstrations, lectures, or textbook assignments. Students are required to follow all safety guidelines for tool, equipment, and material use so that not only is their safety insured but also the safety of those that work around them. Unsafe practices will not be tolerated and failure to comply with reasonable safety requests will result in disciplinary action. Questions of safety should be directed to the primary instructor or the department chair.

