

## SYLLABUS: INTRO TO METALS

**Class Meets: Tues Thurs**

**Instructor: Sean Miller Owen, [swarp@ufl.edu](mailto:swarp@ufl.edu)**

**GA: Cameron Rowe, [camrowe@ufl.edu](mailto:camrowe@ufl.edu)**

**Office hrs: Tues Thurs 2-3**

**Learning Objectives:** By the end of this course the student should obtain extensive operational and safety knowledge of a variety of metal working tools such as: Oxygen acetylene torch, MIG, and TIG welding, drill press, bench shear, press brake, slip roll, bench and angle grinders. We will be going over a variety of construction techniques such as: blacksmithing, metal casting, sheet metal construction, found objects, brazing etc. The course will also cover different themes that artists explore when working with metal and we will show examples and have discussions on formal and conceptual metal sculpture.

### **Tentative Course Timeline:**

Week 1: Tool and safety demos

Week 2: Welding test

Week 3: Intro to project 1

Week 4: work day

Week 5: work day

Week 6: project 1 due/ intro to project 2

Week 7: work day

Week 8: work day

Week 9: work day

Week 10: project 2 due/ intro to project 3

Week 11: work day

Week 12: work day

Week 13: work day

Week 14: work day

Week 15: project 3 due

Week 16: mandatory clean-up day! / Final Critique

**ALL STUDENTS MUST HAVE:**

1. Pack of dust masks
2. Long sleeve shirt
3. Leather shoes or boots
4. Jeans

**Attendance Policy**

Attendance is mandatory. If you have more than 3 unexcused absences, it will cost you 5 points off of your final grade. Please be on time to class! If you are tardy you could miss out on valuable demonstrations that will not be repeated. There will be no way to get extra points.

**Evaluation**

**Projects will be graded on:**

- A. 4.0 Extremely well presented, excellent execution, great work ethic, a lot of research, all project criteria met.
- B. 3.0 Good work with little room for improvement, most of the project criteria met in a satisfactory manner.
- C. 2.0 Average work with a lot of room for improvement. Missing a portion of the project criteria, little research done.
- D. 1.0 Doesn't satisfy project criteria, work is obviously unfinished, little or no research done.
- F. 0.0 Failure to meet all criteria. Unacceptable studio/research practices

<https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>.

**No Textbooks Required!**

**Materials and Fees:**

Materials for large projects have to be purchased by the student

## **The university's honesty policy regarding cheating, plagiarism, etc.**

"UF students are bound by The Honor Pledge which states, "We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: "On my honor, I have neither given nor received unauthorized aid in doing this assignment." The Honor Code (<http://www.dso.ufl.edu/sccr/process/student-conduct-honorcode/>) specifies a number of behaviors that are in violation of this code and the possible sanctions. Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult with the instructor or TAs in this class."

## **Students with disabilities**

"Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, [www.dso.ufl.edu/drc/](http://www.dso.ufl.edu/drc/)) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodations. Students with disabilities should follow this procedure as early as possible in the semester."

## **Health and Wellness U Matter, We Care:**

If you or a friend is in distress, please contact [umatter@ufl.edu](mailto:umatter@ufl.edu) or 352 392- 1575 so that a team member can reach out to the student.

Counseling and Wellness Center:

<http://www.counseling.ufl.edu/cwc/Default.aspx>, 392-1575; and the University Police Department: 392-1111 or 9-1-1 for emergencies.

Sexual Assault Recovery Services (SARS) Student Health Care Center, 392-1161. University Police Department, 392-1111 (or 9-1-1 for emergencies).  
<http://www.police.ufl.edu/>

## **Course Evaluation**

"Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at <https://evaluations.ufl.edu>. Evaluations are typically open during the last two or three weeks of the semester, but students will be given

specific times when they are open. Summary results of these assessments are available to students at <https://evaluations.ufl.edu/results/>.”

### **Learning Resources:**

[www.youtube.com/user/kevincaron](http://www.youtube.com/user/kevincaron)

[www.millerwelds.com>resources](http://www.millerwelds.com/resources)

[www.weldguru.com](http://www.weldguru.com)

[www.weld.com](http://www.weld.com)

[www.sculpture.org](http://www.sculpture.org)

[www.sculptor.org>category-metal](http://www.sculptor.org/category-metal)

[www.americanbronze.com>resources](http://www.americanbronze.com/resources)

[www.glasstire.com](http://www.glasstire.com)

[www.midsouthsculpture.org>sculpture-resources](http://www.midsouthsculpture.org/sculpture-resources)

[www.artshow.com>sculpture-resources,](http://www.artshow.com/sculpture-resources)