

WELD 175 – ARC WELDING I

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Office Hours: 8am to 4pm M-F

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Course web site can be accessed through,

UAS ONLINE: <https://uascentral.uas.alaska.edu/online>

Syllabus:

This course is designed to advance the skill level and practical knowledge of students that have completed WELD 120 (Basic Welding) or have previous welding experience. The primary emphasis of this course will be to develop the skills needed to produce "code quality" fillet welds in all positions, using Shielded Metal Arc Welding and Gas Metal Arc Welding. In addition, you will get experience with various joint configurations, welding techniques and other metal working processes.

The secondary emphasis of this course will be to continue development of safe work habits and to further your knowledge of welding theory as it applies to welding equipment, filler metals, joint design, fabrication practices, and welding using written codes and drawings.

Grading in most cases will be a letter grade, based on the following:

1. Attendance and Participation 10% - This represents your effort.
2. Lab exercises and assignments 90% - This represents, a) Ability to follow verbal and written instructions. b) Comprehension of exercises. c) Degree of improvement. d) workmanship and safe work habits.

Text Books:

A copy of Hobart Welding Institutes, Shielded Metal Arc Welding – Basic will be helpful although not required. You will be given supplementary text and information though out the course.

INSTRUCTORS POLICIES:

1. You are required to provide suitable welding gloves and safety glasses for lab work.
2. You are responsible for cleaning up after yourself at the end of class.
3. Do not eat, drink, or smoke at the welding stations.
4. Do not waste metal or welding rod. Ask if you're not sure!
5. Personal projects on a limited basis and not without approval from the instructor.