

# WELD 363 Syllabus

## Welding Certification Preparation

Summer 2022 – Code: 54332

### Arranged Time Lab Class

**Instructors:** Andrew Mancini

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**Office Hours:** By appointment, schedule via email

**Co-requisite:** WELD 361 or MFGT 61

**Advisories:** Math 45 & English 1A or 1AH

### Course Description

### Non-Credit Course

This course provides continued practice on out-of-position welding leading to AWS certification exam procedures. Students will develop, improve, and refine welding skills through guided practice in a lab setting. For credit version of this course see MFGT 63. Weekly hours range from .5 hours to 6 hours. COREQUISITE: Welding Technology 361 or Manufacturing Technology 61. PREREQUISITE: Coursework equivalent to Welding Technology 361 or Manufacturing Technology 61 or verified work experience in the field.

**Required Text/Materials:** None

### Student Learning Outcomes

**Upon completion of this course, the student will be able to:**

- WELD-363 SLO1: Produce certified weldments.
- WELD-363 SLO2: Integrate code standards and procedures into welding.

### Course Objectives

- Review and use correct safety procedures for welding related equipment.
- Demonstrate certification level skills in out-of-position plate. Processes will include SMAW, GMAW, GTAW, and FCAW.
- Explain certification procedures for welding.
- Record data necessary to complete welding procedure specifications.

### Grading

**Point Distribution:** (Pass/No Pass Grading) Pass = 100% - 70%; No Pass = 69% or below

### Assignments & Grades:

Project(s)	50%
Skill Demonstration(s)	25%
<u>Class Participation</u>	<u>25%</u>
<b>Total</b>	<b>= 100%</b>

### Important Dates

- Orientation May 19
- Last Day to drop class for full refund June 5
- Last Day to drop class with a “W” June 25
  - letter grade will be assigned after this date
- Certification Days (5-6 days) Arranged Dates
- Class ends July 28