

JAMESTOWN COMMUNITY COLLEGE
State University of New York

INSTITUTIONAL COURSE SYLLABUS

Course Title: Fabrication

Course Abbreviation and Number: WLD 2350

Credit Hours: 3

Course Type: Lecture/Lab

Course Description: Students will learn how to read blueprints with an emphasis on weld symbols, joint design, and layout techniques. Students will be introduced to equipment such as the iron worker, hand tools, press brake, and shear. The principles behind bending, punching, and fastening technologies will be discussed.

Prerequisites: WLD 2260; Corequisite: WLD 2450.

Student Learning Outcomes:

Students who demonstrate understanding can:

1. Design a project from nothing more than an idea.
 2. Set up procedures to begin to fabricate this idea.
 3. Build the project successfully.
 4. Recognize the importance of ethical behavior in fostering a community of mutual respect and dignity.
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Topics Covered:

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|-----------------------|---------------------------|
| 1.) Blueprints | - Tack welding |
| - Weld symbols | - Welding |
| - Weld joint design | - Finishing |
| - Mechanical drawings | |
| - Blueprint reading | |
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| 2.) Fabrication | 3.) Inspection |
| - Material shapes | - Non-destructive Testing |
| - Layout | - Dye penetrant |
| - Fitting | - Mag particle |
| | - Visual Examination |
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Information for Students

- Expectations of Students
 - [Civility Statement](#)
 - [Student Responsibility Statement](#)
 - [Academic Integrity Statement](#)
 - [Accessibility Services](#)
Students who require accommodations to complete the requirements and expectations of this course because of a disability must make their accommodation requests to the Accessibility Services Coordinator.
 - [Get Help: JCC & Community Resources](#)
 - [Emergency Closing Procedures](#)
 - Course grade is determined by the instructor based on a combination of factors, including but not limited to, homework, quizzes, exams, projects, and participation. Final course grade can be translated into a grade point value according to the following:

A=4.0	B+=3.5	B=3	C+=2.5	C=2	D+=1.5	D=1	F=0
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 - Veterans and active duty military personnel with special circumstances (e.g., upcoming deployments, drill requirements, VA appointments) are welcome and encouraged to communicate these to the instructor.
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Effective Date: Fall 2021