

Course Objectives/Course Outline

Spokane Community College

Course Title: Precision Metal Fabrication Technology 2
Prefix and Course Number: PMF 103

Course Learning Outcomes:

By the end of this course, a student should:

- Operate Press Brake using Depth Mode (manual programming)
- Operate Press Brake safely
- Calculate the appropriate Bend Functions depending on the operation
- Complete Press Brake operations to the specification of the drawings
- Communicate with classmates effectively
- Operate the Forklift safely
- Troubleshoot Press Brake and bending problems
- Perform First Article Inspection on the Press Brake

Course Outline:

A. *NOTE:* This course schedule is subject to change at the discretion of the instructor.

<p>Week 1: Introductions Introduction to PMF 103 Shop Safety</p>	<p>Week 7: Angle Mode & Troubleshooting Angle Mode Troubleshooting</p>
<p>Week 2: Press Brake Start Press Brake Safety Press Brake Tooling Press Brake Types</p>	<p>Week 8: Metal Cutting & Projects Metal Cutting Overview</p>
<p>Week 3: Press Brake Functions Bend Functions Tooling, continued</p>	<p>Week 9: Step Bending & Maintenance Press Brake Maintenance Step Bending</p>
<p>Week 4: Depth Mode & Monitoring Depth Mode Program Monitoring First Article Inspection</p>	<p>Week 10: Open Lab Open lab for project and skills</p>
<p>Week 5: Forklift & Projects Forklift Training Press Brake Projects</p>	<p>Week 11: Open Lab Open lab for project and skills</p>
<p>Week 6: Midterm Review Midterm</p>	<p>Week 12: Final Review Final Exam</p>