

Course Objectives/Course Outline

Spokane Community College

Course Title: Introduction to Precision Metal Fabrication

Prefix and Course Number: PMF 101

Course Learning Outcomes:

By the end of this course, a student should:

- Operate basic hand tools, including: hand punch, box/leaf brake, clecos and rivets
- Describe the theories of certain sheet metal working tools which allow for the use of the above tools
- Follow Basic Written Instructions
- Utilize soft skills in a work environment
- Follow and create job plans
- Follow technical drawings
- Demonstrate Safe Work
- Demonstrate Precision Work

Course Outline:

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

- I. **Week 1**
 - A. Introduction to PMF
 - B. Shop Safety
- II. **Week 2**
 - A. LEAN
 - B. 5S
- III. **Week 3**
 - A. Math
 - B. Measuring
 - C. First Article Inspection
- IV. **Week 4**
 - A. Drawings
 - B. Job Plans
- V. **Week 5**
 - A. PMF Hand Tools
 - B. Shearing
- VI. **Week 6**
 - C. Review and Midterm
- VII. **Week 7**
 - A. Hole Punch Setup and Use
- VIII. **Week 8**
 - A. Box/Leaf Brake Setup and Use
- IX. **Week 9**
 - A. Hole Preparation
 - B. Clecos and Rivets
- X. **Week 10**
 - A. Lab Time (Toolbox)
- XI. **Week 11**
 - A. Lab Time (Toolbox)

Print Date: 3/19/18

XII. **Week 12**

A. Review and Final