

Course Objectives/Course Outline
Spokane Community College

Course Title: Sheet Metal Shaping Lab
Prefix and Course Number: ABF 271

Course Learning Outcomes:

By the end of this course, a student should be able to:

- Demonstrate understanding of mild steel properties by creating basic shapes from flat mild steel sheet using hand tools
- Demonstrate operation and application of hand and power tools by creating basic shapes

Course Outline:

I. Safety

- A. Personal safety equipment
- B. Identification of hazardous conditions, and materials
- C. Power and hand equipment safety

II. Equipment

- A. Identification of sheet metal shaping tools and their uses
- B. Design and construction of basic metal working tools

III. Metal Shaping

- A. Metal shaping and forming techniques
- B. Shrinking, stretching and forming techniques