

Print Date: 7/31/14

**Course Objectives/Course Outline**  
**Spokane Community College**

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**Course Title:** Advanced Shielded Metal Arc Welding Theory Applications

**Prefix and Course Number:** WELD 125

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**Course Learning Outcomes:**

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

- Understand Shielded Metal Arc Welding Theory Applications

**Course Outline:**

- I. Advanced Applications Lab Experience
  - A. Shielded Metal Arc welding theory
  - B. Safety and positions
  - C. Equipment setup
  - D. Striking an arc
  - E. Cutting operations
  - F. Welding
  - G. Metallurgy
  - H. Electrode classifications
  - I. Uses of Carbon and Alloy steels
  - J. Welding practices