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## Course Outline

### *Shielded Metal Arc Welding (Overhead Welding)*

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**HFC Course Code:** CIMWD-112

**Course Topic:** Shielded Metal Arc Welding (Overhead Welding)

**Recommended Textbook:** Welding: Principles and Applications 7<sup>th</sup> Edition

#### **Course Description:**

Discusses theory and operation of shielded metal arc welding. Emphasizes safety protocols and working specifically in the overhead welding position.

#### **Course Topics**

1. Safety
2. Overhead Welding Position
3. Final weldment assembly

#### **Course Objectives\***

1. Demonstrate proper safety practices for Shielded Metal Arc Welding.
2. Apply the proper welding machine settings for a given competency using the Shielded Metal Arc Welding process.
3. Demonstrate proper welding technique in overhead position using the Shielded Metal Arc Welding process.
4. Perform welds using proper preparation and welding technique for a given weldment.

\* See Projects for more details.

#### **Lectures**

1. Shielded Metal Arc Welding for Overhead Position





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