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## Course Outline

### *Gas Metal Arc Welding (Vertical and Overhead Welding)*

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**HFC Course Code:** CIMWD-131

**Course Topic:** Gas Metal Arc Welding (Vertical and Overhead Welding)

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

#### **Course Description:**

Presents the theory and operation of gas metal arc welding. Emphasizes safety protocols, and proper vertical welding and overhead welding positions using mild steel and aluminum.

#### **Course Topics**

1. Vertical welding position
2. Overhead welding position

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

1. Demonstrate the proper welding technique in vertical position.
2. Demonstrate the proper welding technique in overhead position.
3. \*Perform welds using proper preparation and welding technique for a given weldment.

\* See Projects for more details.

#### **Lectures/Demonstrations:**





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