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## Course Outline

### *Tool and Die Welding (GTAW)*

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**HFC Course Code:** CIMWD-221

**Course Topic:** Tool and Die Welding (GTAW)

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

#### **Course Description:**

Introduces safety protocols, proper preparation procedures, and welding techniques used to weld tool steel used in tools and dies. Focuses on using the gas tungsten arc welding (GTAW) process.

#### **Course Topics**

1. GTAW pad build-up.
2. GTAW line build-up.
3. GTAW knife edge.

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

1. Demonstrate proper preparation techniques for the repair of a tool or die.
2. Perform a weld using the proper techniques for the repair of a tool or die using the Gas Tungsten Arc Welding process.

\* See Projects for more details.

#### **Lectures**

1. x





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