



Course Outline

Gas Tungsten Arc Welding (Steel and Stainless Steel-Flat and Horizontal)



HFC Course Code: CIMWD-121

Course Topic: Gas Tungsten Arc Welding (Steel and Stainless Steel-Flat and Horizontal)

Recommended Textbook: Welding: Principles and Applications 7th Edition

Course Description:

Discusses theory and operation of gas tungsten arc welding. Emphasizes safety protocols, and flat and horizontal welding positions while using mild and stainless steel.

Course Topics

1. Flat weld position on steel
2. Flat weld position on stainless steel
3. Horizontal weld position on steel
4. Horizontal weld position on stainless steel

Course Objectives*

1. Demonstrate the proper welding technique in flat position with steel.
2. Demonstrate the proper welding technique in horizontal position with steel.
3. Demonstrate the proper welding technique in flat position with stainless steel.
4. Demonstrate the proper welding technique in horizontal position with stainless steel.
5. Perform welds using proper preparation and welding technique for a given weldment.

* See Projects for more details.

Lectures

1. Steel
2. Stainless Steel





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