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## Lecture Outline

### *Weld Joint Design and Preparation – Welds, Joints, and Positions*

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**HFC Course Code:** CIMWD-100

**Course Topic:** Weld Joint Design and Preparation – Safety and Joint Design

**Lecture:** Welds, Joints, and Positions

#### Lecture Outline:

- I. Groove Weld
  - A. Bevel
  - B. V Groove
  - C. U Groove
  - D. J Groove
- II. Fillet Weld
- III. Slot or Plug Weld
- IV. Spot Weld
- V. Butt Joint
- VI. Lap Joint
- VII. Tee Joint
- VIII. Edge Joint
- IX. Corner Joint
  - A. Inside Corner
  - B. Outside Corner
- X. Flat Position (1)
- XI. Horizontal Position (2)
- XII. Vertical Position (3)
  - A. Vertical Up
  - B. Vertical Down
- XIII. Overhead Position





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