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| **WLD-115\_2013FA** | **SMAW (Stick) Plate** | **WLD-115** |

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| CIS Course ID | S23304 |
| Effective Term | Fall 2013 |
| End Term |  |

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| Class | 2 | Lab | 9 | Clinical | 0 | Work | 0 | Credit | 5 |

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| This course introduces the shielded metal arc (stick) welding process. Emphasis is placed on padding, fillet, and groove welds in various positions with SMAW electrodes. Upon completion, students should be able to perform SMAW fillet and groove welds on carbon plate with prescribed electrodes. |

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| Competencies |
| Student Learning Outcomes 1.Demonstrate SMAW electrode classification in compliance with AWS codes. 2.Perform a groove weld according to AWS D1.1.  3.Demonstrate safe and proper SMAW equipment setup, operation, and shut-down practices in accordance to manufacturer's recommendations. |

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| State Prerequisites | None |

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| State Corequisites | None |

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| **WLD-116\_1997SU** | **SMAW (stick) Plate/Pipe** | **WLD-116** |

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| CIS Course ID | S10935 |
| Effective Term | Summer 1997 |
| End Term |  |

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| Class | 1 | Lab | 9 | Clinical | 0 | Work | 0 | Credit | 4 |

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| This course is designed to enhance skills with the shielded metal arc (stick) welding process. Emphasis is placed on advancing manipulative skills with SMAW electrodes on varying joint geometry. Upon completion, students should be able to perform groove welds on carbon steel with prescribed electrodes in the flat, horizontal, vertical, and overhead positions. |

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| State Prerequisites | Take WLD-115 |

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| State Corequisites | None |

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| **WLD-151\_2009FA** | **Fabrication I** | **WLD-151** |

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| CIS Course ID | S22456 |
| Effective Term | Fall 2009 |
| End Term |  |

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| Class | 2 | Lab | 6 | Clinical | 0 | Work | 0 | Credit | 4 |

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| This course introduces the basic principles of fabrication. Emphasis is placed on safety, measurement, layout techniques, cutting, joining techniques, and the use of fabrication tools and equipment. Upon completion, students should be able to perform layout activities and operate various fabrication and material handling equipment. |

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| State Prerequisites | None |

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| State Corequisites | None |