



STARK STATE COLLEGE

GENERAL SYLLABUS

Course Information

Course Name: 6G Welding Certification Exam Preparatory
Course Number: MST137

Required Materials

Textbook(s): None

Required Readings: None

Additional Materials: Welding helmet, safety glasses, chipping hammer, leather apron or fire-resistant cotton jacket, steel-toed work boots, wire brush, pair burning goggles, (shade 5 lens), pair TIG gloves (thin), side cutters or MIG pliers, pair of channel locks, vise grips 4" C jaws, heavy long sleeve shirt, notebook, pen/pencil.

Course Outline/Calendar

The date of coverage and order of coverage may be modified based on the faculty member and events beyond the control of faculty members that interfere with class times and teaching.

16-Week Course Calendar

Week	Chapter/Topic/Lab
1	Demonstrating root opening and grinding procedure
2	Flat position with ½" plate practice
3	Flat position with ½" plate practice
4	Flat position with ½" plate practice
5	Vertical up position with ½" plate practice
6	Vertical up position with ½" plate practice
7	Vertical up position with ½" plate practice
8	Vertical up position with ½" plate practice
9	Overhead position with ½" plate practice
10	Overhead position with ½" plate practice
11	Overhead position with ½" plate practice
12	Start on 6" pipe in the 6G position
13	Practice 6' Pipe
14	Practice 6' Pipe
15	Practice 6' Pipe
16	Exam cut coupons

8-Week Course Calendar

Week	Chapter/Topic/Lab
1-2	Chapters #22, #23, #24 – Selected Materials
3	Safety
4	Safety
5	SMA Welding of 6"-10" diameter steel pipe using single vee groove open root weld joint in various positions
6	SMA Welding of 6"-10" diameter steel pipe using single vee groove open root weld joint in various positions
7	Testing and Inspection of Welds
8	AWS 6G Position Certification