



STARK STATE COLLEGE

GENERAL SYLLABUS

Course Information

Course Name: Gas Tungsten Arc Welding

Course Number: PIP225

Required Materials

Textbook(s): Custom

Required Readings:

Additional Materials:

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.

Week	Chapter/Topic/Lab
1	Course Orientation and safety
2	GTAW Equipment familiarization
3	Basic GTAW Techniques on carbon steel Lab
4	Joint Preparation and Fit-Up Lab
5	Welding thin materials
6	Stainless Steel GTAW Lab
7	Aluminum GTAW Lab
8	Pipe welding basics, Mid-term/Weld test
9	Multi-Pass Welding Lab
10	Welding Positions Lab
11	Weld Quality and Testing
12	Advanced GTAW Techniques Lab
13	Project Fabrication
14	Certification Preparation
15	Final Certification Practice and Review
16	Final Weld Test