



STARK STATE COLLEGE

GENERAL SYLLABUS

Course Information

Course Name: Soldering, Brazing, and Tube Bending

Course Number: PIP169

Required Materials

Textbook(s): Custom U.A. Soldering Brazing, Tube Bending Manual

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	Introduction and Safety
2	Fundamentals of Tube Bending
3	Tube Bending Lab I
4	Tube Bending Lab II
5	Tube Bending Lab III
6	Tube Bending Assessment/Quiz
7	Introduction to Soldering and Brazing Chapter 1 and 2 Lecture
8	Soldering Lab I Chapter 1 and 2 Quiz
9	Brazing Theory and Demonstration Chapter 3 - Chapter 5 Lecture
10	Brazing Lab I Chapters 3-5 Quiz – Chapters 7-9 Lecture
11	Brazing Lab II Chapters 7-9 Quiz
12	Applied Solder/Braze Lab I
13	Applied Solder/Braze Lab II
14	Troubleshooting and Repair Techniques
15	Final Project Lab – Soldering and Brazing
16	Final Exam and Skill Assessment