



PLBT 1305 SYLLABUS

Course Number Course Name	PLBT 1305 Shielded Metal Arc Welding (SMAW)
Credit Value (Breakdown of theory and lab credits)	2.0 (2.0. Lab)
Catalog Course Description	<p>This course explores fundamental theory and application of Shielded Metal Arc Welding (SMAW) process and proper welding equipment setup. Introductory skills for pipe and plate welding are covered leading to skillfulness in equipment setup, pre-weld fit up, filler metal alloys, and welding in various positions.</p> <p>Prerequisite: PLAP 1302 Metallurgy</p>
Student Learning Outcomes/Objectives /Competencies of the Course	<p>Student Learning Outcomes:</p> <ul style="list-style-type: none"> • The student will show knowledge and competency in the SMAW process • The student can complete plate welding in horizontal, vertical and overhead positions to competency as measured by visual pass by CWI. • The student has ability to demonstrate knowledge of pipe welding and positions • The student has the ability to demonstrate knowledge of filler alloys.
College-Wide Student Learning Outcomes	<p><i>College Wide Student Learning Outcomes:</i></p> <p><i>Communication</i></p> <p><i>Critical Thought</i></p>