



PLBT 1302 SYLLABUS

Course Number Course Name	PLBT 1302 Metallurgy
Credit Value (Breakdown of theory and lab credits)	2.5 (2.5 Theory)
Catalog Course Description	This course first Introduces Metallurgy, a study of the effect of welding on metallurgical structure and properties of weld joints. The study of the influence of crystal and grain structure of metals on the mechanical, physical, and chemical properties of metals. Pre-requisites: None
Student Learning Outcomes/Objectives /Competencies of the Course	Student Learning Outcomes: <ul style="list-style-type: none"> • The student will show knowledge of metallurgical structure and weld regions • The student can identify problems in welding with visual, qualitative and quantitative identification techniques • The student can demonstrate knowledge of the effects of welding on both physical and mechanical properties • The student can identify welding stress and corrosive resistance on welds
College-Wide Student Learning Outcomes	<i>College Wide Student Learning Outcomes: Information Competency Critical Thought</i>