



PLBT 1200 SYLLABUS

Course Number Course Name	PLBT 1200 Rigging and Signaling
Credit Value (Breakdown of theory and lab credits)	2.5 (1 Theory and 1.5 Lab)
Catalog Course Description	This course delves deeper into heavy commercial and industrial rigging and culminate in an Industrial Rigging Certification. Areas to be covered are Inspections of various wire and synthetic slings; Safe working load limits; Sling lifting angles; Inspection of all rigging hardware; Eyebolts; Spreader beams; Man baskets; Mechanical advantage; Critical lift design; Lift calculation form; Rigging hook-up; Crane set-up; Site preparation; Boom truck operations; Ariel platforms; Tower cranes; and crane signaling. Pre-requisites: None
Student Learning Outcomes/Objectives /Competencies of the Course	<p>Student Learning Outcomes:</p> <ul style="list-style-type: none"> • Demonstrate correct preparation of a heavy lift plan. • Demonstrate correct inspection of slings for use in a lift. • Demonstrate correct inspection of lifting hardware. • Demonstrate correct use of slings, chain hoists and come-a-longs on an assigned lift. • Demonstrate correct crane signals to crane operator. • Pass written and hands-on exam for certification.
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>

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