



PLAP 1127 SYLLABUS

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| Course Number Course Name | PLAP 1127 Plumbing Apprenticeship II |
| 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> |