# PLBT 1200 SYLLABUS

<table>
<thead>
<tr>
<th>Course Number Course Name</th>
<th>PLBT 1200 Rigging and Signaling</th>
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<tbody>
<tr>
<td>Credit Value (Breakdown of theory and lab credits)</td>
<td>2.5 (1 Theory and 1.5 Lab)</td>
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<td>Catalog Course Description</td>
<td>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</td>
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| Student Learning Outcomes/Objectives /Competencies of the Course | Student Learning Outcomes:  
- 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 | College Wide Student Learning Outcomes:  
  Communication  
  Critical Thought |