### Course Outline

**Course Title:** Safe Operation of Power Industrial Lift Trucks & Material Handling  
**Semester Course Prefix and Number:** CARP 1234  
**Submitted By:** Leo Lukas  
**Approval Date:** 6/18/18  
**Old Quarter Course Prefix and Number:**  
**Number of Credits:** 2  
**Number of Lecture Credits:** 1  
**Number of Lab Credits:** 1  
**Number of Lab Hours:** 2  
**Class Size:** 24  
**Revision Date:**  
**Negotiated by AASC on:** (6/18/18)

#### Course Purpose Code:
- 0 – Developmental Courses
- 1 – Non-transferable
- **X** 2 – Technical course related to career programs
- 3 – College course which has the primary goal of applying certain concepts (e.g. vocal ensemble)
- 4 – Other college course not considered a part of MNTC (e.g. computer science, health, physical education)
- 5 – Course which is intended to fulfill the Minnesota Transfer Curriculum (MNTC) requirements or intended for transfer.
- 9 – Continuing Education/Customized Training specialized credit course (not occurring in 0-5)

#### Catalog Description:
This course is designed to provide students with an opportunity to develop and demonstrate an understanding of the safe operation of Powered Industrial Lift Trucks as required under the Occupational Safety and Health Administration (OSHA) 29 CFR 1910.178 training requirement. Students will also be introduced to the safe use and identification of rigging materials as required under the Occupational Safety and Health Administration (OSHA) 29 CFR 1910.184. Materials Handling Standard.

#### Prerequisites and/or recommended entry skills/knowledge:
- **Course Prerequisite(s):** None
- **Reading Prerequisite:** None
- **Composition Prerequisite:** None
- **Mathematics Prerequisite:** None

#### Career Programs and Transfer Majors Accessing this Course:

#### Minnesota Transfer Curriculum Goal(s) partially met by this course if applicable:
(Notes: No more than two goals may be met by any one course. AASC review and the Chief Academic Officer’s approval are required.)

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<tr>
<th>No.</th>
<th>Goal</th>
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<tr>
<td>0.</td>
<td><strong>X</strong> None</td>
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<td>1.</td>
<td>Communications</td>
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<td>2.</td>
<td>Critical Thinking</td>
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<td>3.</td>
<td>Natural Sciences</td>
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<td>4.</td>
<td>Mathematical/Logical Reasoning</td>
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<td>5.</td>
<td>History and the Social and Behavioral Sciences</td>
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<td>6.</td>
<td>The Humanities and Fine Arts</td>
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<td>7.</td>
<td>Human Diversity</td>
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<td>Global Perspectives</td>
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<td>9.</td>
<td>Ethical and Civic Responsibility</td>
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<td>10.</td>
<td>People and the Environment</td>
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Learning Outcomes: (including any relevant competencies listed in the Minnesota Transfer Curriculum)

Upon completion of this course, the student will be able to:

- Articulate truck classifications, truck components, lifting capacities, maintenance, inspection, truck controls and instrumentation, visibility, hazard identification, operator responsibilities, and operating limitations
- Demonstrate safe operation of multiple types of Power Industrial Lift Trucks
- Define rigging materials, types of slings to include alloy steel chain, wire rope, metal mesh, natural or synthetic fiber rope, and synthetic web
- Demonstrate how to conduct safety inspections
- Describe safe operating temperatures, rigging attachments, and proof testing
- Practice accurate recordkeeping

Student Assessment Methods:
May include:
Tests, quizzes, hands-on participation and final exam

Use of Instructional Technology: (includes software, interactive video and other instructional technologies):

Additional Special Information: (special fees, directives on hazardous materials, etc.)

Transfer Information: (Please list colleges/majors that accept this course in transfer.)

Affiliated Mesabi Range College Courses and Programs:

Approvals:

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<th>Body</th>
<th>Representative Signatures</th>
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<tbody>
<tr>
<td>Faculty Association</td>
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<td>Academic Affairs Standards Committee</td>
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<td>Chief Academic Officer</td>
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Distribution: Original – Instructional Services
Copies: Transfer Specialist, Originating Faculty Member, Records
Revised: December 2012