

MESABI RANGE COMMUNITY & TECHNICAL COLLEGE

Course Outline

Course Title: Rigging

Submitted By: Waldorf,
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Semester Course Prefix and Number: IMT 1238

Approval Date:

Old Quarter Course Prefix and Number:

Revision Date:

Number of Credits: 2

Number of Lecture Credits: 1

Semester(s) Offered:

Number of Lab Credits: 1 Number of Lab Hours:

Class Size: 35

Number of Studio/Demonstration/Internship Credits:

Negotiated by AASC on:
(date)

Course Purpose Code:

- 0 – Developmental Courses
- 1 – Non-transferable, General Education
- 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 general education (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:

The main purpose of this course is to introduce the student to simple machines, how they operate, and how they are used in combination to become compound machines that are used in industry. The student will also learn the math and measuring skills required when dealing with the elements of the mechanics and learn some of the equipment repair procedures as in found in industry. (This portion of the course is dependent upon equipment availability).

Prerequisites and/or recommended entry skills/knowledge:

Course Prerequisite(s):

Reading Prerequisite:

Composition Prerequisite:

Mathematics Prerequisite:

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. Curriculum Committee review and the Chief Academic Officer's approval are required.)

- 0. None
- 1. Communications
- 2. Critical Thinking
- 3. Natural Sciences
- 4. Mathematical/Logical Reasoning
- 5. History and the Social and Behavioral Sciences
- 6. The Humanities and Fine Arts
- 7. Human Diversity
- 8. Global Perspectives
- 9. Ethical and Civic Responsibility
- 10. People and the Environment

Learning Outcomes: (including any relevant competencies listed in the Minnesota Transfer Curriculum)

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

- Explain and perform necessary math functions
- Define hitch types and rated capacities
- Determine load weights
- Inspect and operate a forklift
- Inspect and operate other cranes
- Identify crane hand signals
- Demonstrate general OSHA/MSHA lifting standards

Student Assessment Methods:

Tests , hands-on projects

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

Manual, software, video

Outline or Statement of Major Course Content:

The purpose of this course is to give students knowledge of rigging equipment and procedures.

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

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

Approvals:

Body	Representative Signatures	Date
Curriculum Committee		
Faculty Association		
Academic Affairs Standards Committee		
Chief Academic Officer		

Distribution: Original – Administrative Office

Copies: Curriculum Committee Chair, AASC Chair, Transfer Specialist, Originating Faculty Member, Scheduler, Records, Student Services, Learning Center, Library

Revised: October 2006