

MESABI RANGE COLLEGE

Course Outline

Course Title: Hand and Power Tools

Semester Course Prefix and Number: CARP 1225

Old Quarter Course Prefix and Number:

Submitted By: Leo Lukas

Approval Date: 3-13-17

Revision Date:

Number of Credits: 2

Number of Lecture Credits: 0

Semester(s) Offered:

Number of Lab Credits: 2

Number of Lab Hours: 4

Class Size: 24

Number of Studio/Demonstration/Internship Credits:

Negotiated by AASC on:
(date)

Course Purpose Code:

_____ 0 – Developmental Courses

_____ 1 – Non-transferable

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 covers the study of the nomenclature and proper use of hand, portable, and stationary power tools. Each student will perform exercises to bring him or her to a level of competency acceptable to the trade.

Prerequisites and/or recommended entry skills/knowledge:

Course Prerequisite(s): None

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. AASC 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:

1. Discuss and describe abilities and characteristics needed by those in the carpentry field
2. Explain housekeeping measures that promote safe working conditions
3. List personal Protection Equipment (PPE) for carpenters to use
4. Cite safety measures related to hand and power tools
5. List, define, and identify building materials
6. Identify the main parts and purpose of each major hand tool and power tool
7. Apply ladder and scaffolding safety rules while assembling and using this equipment
8. Identify elements commonly used in a set of simple house plans
9. Utilize hand and power tools to complete a building project

Student Assessment Methods:

Tests and quizzes, final test, final performance test, competencies, participation

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:

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

Distribution: Original – Instructional Services
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