

# MESABI RANGE COLLEGE

## Course Outline

**Course Title:** Principles of Carpentry I-A - Lab  
**Semester Course Prefix and Number:** CARP 1241  
**Old Quarter Course Prefix and Number:**

**Submitted By:** Leo Lukas  
**Approval Date:** 3-13-17  
**Revision Date:**

**Number of Credits:** 5      **Number of Lecture Credits:**  
**Semester(s) Offered:**      **Number of Lab Credits:** 5      **Number of Lab Hours:** 10  
**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 lab portion of preparation of a job site for the construction of a building and teaches the fundamentals of carpentry.

### Prerequisites and/or recommended entry skills/knowledge:

Course Prerequisite(s): Previously completed or concurrently enrolled in CARP 1221 and CARP 1225

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:

- Implement OSHA Safety Standards and methods
- Safely use scaffolding and ladders
- Calculate lumber sizes and identify lumber and plywood grades according to industry standards
- Measure and layout building using batter boards and leveling equipment
- Layout, build, and install floor, wall and roof framing
- Demonstrate the correct installation and selection of roofing material for various slopes and conditions

**Student Assessment Methods:**

- Tests
- Quizzes
- Final performance test
- 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  
**Copies:** Transfer Specialist, Originating Faculty Member, Records  
**Revised:** December 2012