Course Title: Core Construction Trade Skills
Semester Course Prefix and Number: CARP 1235
Old Quarter Course Prefix and Number:
Submitted By: Leo Lukas
Approval Date: 1-10-19
Revision Date:

Number of Credits: 4
Number of Lecture Credits: 3
Number of Lab Credits: 1
Number of Lab Hours: 2
Class Size: 24

Catalog Description:
Core Construction Trade Skills provides the essential framework for individuals desiring to become proficient in the skilled trade of construction. This course provides a thorough study of the safe and proper use of hand and power tools, safety training based on OSHA 29 CFR 1926, and mathematics commonly used in construction trades.

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. AASC review and the Chief Academic Officer’s approval are required.)
0. x 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:
- Identify the skills, characteristics and responsibilities required to become successful in the construction trades
- Explain OSHA's policies, standards and requirements in the construction field
- Identify appropriate building materials and employ proper handling and storage
- Differentiate between various hand and power tools and demonstrate their safe use
- Analyze drawings found in a set of plans and explain the information conveyed by the drawings
- Explain construction specifications and the intent
- Describe and demonstrate the methods used in building layout
- Understand how to solve problems in the construction field using mathematics

Student Assessment Methods:
Assessment methods will be determined by the instructor.

Use of Instructional Technology: (includes software, interactive video and other instructional technologies):
May include:
- Bright Space Desire to Learn
- PowerPoint presentations
- Internet web search

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
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