

MESABI RANGE COLLEGE

Course Outline

Course Title: Blueprint Reading and Estimating II
Semester Course Prefix and Number: CARP 1222
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:** 2
Semester(s) Offered: **Number of Lab Credits:** **Number of Lab Hours:**
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 advanced approaches to identifying and understanding blueprint drawing and details of residential and commercial construction.

Prerequisites and/or recommended entry skills/knowledge:

Course Prerequisite(s): CARP 1221
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.)

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

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

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

- Identify basic materials used in construction and their symbols
- Recognize common features of site plans
- Identify property line descriptions
- List different types of floorplans used in constructions
- Describe purpose of elevations, sections, and details
- Classify different foundations and their uses
- Identify and understand the different concrete floor systems
- Calculate the approximate cost of a building and present

Student Assessment Methods:

- Test, quizzes, final test, participation, drawing preliminary blueprint

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