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

Number of Credits: 2
Number of Lecture Credits: 2
Number of Lab Credits: 
Number of Lab Hours: 
Number of Studio/Demonstration/Internship Credits:

Class Size: 24
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.)

- 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 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:

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<td>Faculty Association</td>
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<td>Academic Affairs Standards Committee</td>
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Distribution: Original – Instructional Services
Copies: Transfer Specialist, Originating Faculty Member, Records
Revised: December 2012