

MESABI RANGE COMMUNITY & TECHNICAL COLLEGE

Course Outline

Course Title: Planning and Estimating
Semester Course Prefix and Number: MASN 1222
Old Quarter Course Prefix and Number:

Submitted By:
Approval Date:
Revision Date:

Number of Credits: 1 **Number of Lecture Credits:** 1
Semester(s) Offered: **Number of Lab Credits:** 0 **Number of Lab Hours:**
Class Size: **Number of Studio/Demonstration/Internship Credits:**
Negotiated by AASC on:
(date)

Course Purpose Code:

- 0 – Developmental Courses
- 1 – Non-transferable, General Education
- 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 general education (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 will teach the student application of basic math and to use rule of thumb to estimate materials. Students will plan profitable ways to do jobs. They will be able to estimate a residential building plan and Estimate the amount of masonry units and materials as well as the cost of labor for the project.

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. Curriculum Committee 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:

1. Exhibit professionalism
2. Obtain customer information
3. Record customer information
4. Develop construction plan
5. Draft prints and /or sketches
6. Estimate quantities
7. Develop bill-of-materials
8. Explain material bidding procedures
9. Obtain material bids
10. Explain labor and equipment estimation
11. Explain drawing-up-contract
12. Explain material ordering
13. Explain scheduling labor, material, and equipment delivery scheduling
14. Explain permits acquisition
15. Explain monitoring time schedule

Student Assessment Methods:

The student's performance objectives and exams will be translated to points and the points to grades. Student attendance is a primary employer concern and essential for a successful school year. A full-time student cannot miss more than three days per quarter without an approved excuse. Any additional days must be made up by arrangement with the instructor or student grades will drop one-third of a letter grade per day for class missed. (Approved-Dr's or Instructor's excuse)

Use of Instructional Technology: (includes software, interactive video and other instructional technologies):

Outline or Statement of Major Course Content:

This course covers the planning, coordination, scheduling and estimating needed to make a construction project run efficiently. Attendance in this class is very important. All performance objectives are to be completed in a safe, proper and timely manner. The student is expected to read all assigned portions of the text and complete all assignments and exercises on time. Handwritten notes are encouraged as references.

Additional Special Information: (special fees, directives on hazardous materials, etc.)

Transfer Information: (Please list colleges/majors that accept this course in transfer.)

Approvals:

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

Distribution: Original – Administrative Office

Copies: Curriculum Committee Chair, AASC Chair, Transfer Specialist, Originating Faculty Member, Scheduler, Records, Student Services, Learning Center, Library

Revised: October 2006