

MESABI RANGE COMMUNITY & TECHNICAL COLLEGE

Course Outline

Course Title: Principles for Block Laying
Semester Course Prefix and Number: MASN 1223
Old Quarter Course Prefix and Number:

Submitted By:
Approval Date:
Revision Date:

Number of Credits: 5
Semester(s) Offered: 1
Class Size:
Negotiated by AASC on: (date)
Number of Lecture Credits: 1
Number of Lab Credits: 4
Number of Studio/Demonstration/Internship Credits:

Course Purpose Code:

- 0 - Developmental Courses
1 - Non-transferable, General Education
X 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:

The purpose of this course is to introduce the student to pre-cast block laying. Students will learn block layout, block types, mortar recipes, window and door placement in masonry construction, reinforcement, anchor systems, core filling, header systems and linear measure. Students will learn the use of tools in the block laying trade.

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.)

- 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:

Student will learn block types, block layout, mortar recipes, window and door placement in masonry construction, block reinforcement, anchor systems, header systems, the types and uses of various tools and equipment used in the block laying trade and any safety issues involved in block laying.

**Student Assessment Methods:**

Performance objectives and exams will be translated to points; and the points translated to grades.

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

Student hand written notes, hand outs

Richard T. Kreh, Sr. – Masonry Skills – Fourth Addition

**Outline or Statement of Major Course Content:**

The student will be working primarily hands-on with placing, positioning, and mortaring together blocks to meet specific situations used in the block laying trade.

**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