

# MESABI RANGE COMMUNITY & TECHNICAL COLLEGE

## Course Outline

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<b>Course Title:</b>	<b>Basic Blueprint Reading &amp; Sketching I</b>	<b>Submitted By:</b>	<b>Waldorf, Parker, Hill</b>
<b>Semester Course Prefix and Number:</b>	<b>IMT 1241</b>	<b>Approval Date:</b>	
<b>Old Quarter Course Prefix and Number:</b>		<b>Revision Date:</b>	<b>11-30-11</b>
<b>Number of Credits:</b>	<b>3</b>	<b>Number of Lecture Credits:</b>	<b>1</b>
<b>Semester(s) Offered:</b>		<b>Number of Lab Credits:</b>	<b>2</b>
<b>Class Size:</b>	<b>35</b>	<b>Number of Lab Hours:</b>	
<b>Class Size:</b>	<b>35</b>	<b>Number of Studio/Demonstration/Internship Credits:</b>	
<b>Negotiated by AASC on:</b>			
<b>(date)</b>			

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### 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:

The main purpose of this course is to introduce the student to blueprints and sketches. The student will learn how and why blueprints are developed as well as their use in industry. The student will also learn math and measuring required to do blueprint reading.

### 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:

- Explain and perform necessary math functions
- Identify alphabet of lines
- Identify 3-view drawings
- Identify two-view drawing
- Demonstrate metric system dimensioning

**Student Assessment Methods:**

Drawings, interpretation of schematics and drawings, tests, quizzes

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

Home CADD program

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

This course will introduce students to basics of blueprints and sketches as found in industry.

**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