## Course Outline

<table>
<thead>
<tr>
<th>Course Title:</th>
<th>Advanced Blueprint Reading</th>
<th>Submitted By:</th>
<th>Waldorf, Parker, Hill</th>
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<tbody>
<tr>
<td>Semester Course Prefix and Number:</td>
<td>IMT 2242</td>
<td>Approval Date:</td>
<td></td>
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<tr>
<td>Old Quarter Course Prefix and Number:</td>
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<td>Revision Date:</td>
<td>11-30-11</td>
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<tr>
<td>Number of Credits:</td>
<td>3</td>
<td>Number of Lecture Credits:</td>
<td>1</td>
</tr>
<tr>
<td>Semester(s) Offered:</td>
<td></td>
<td>Number of Lab Credits:</td>
<td>2</td>
</tr>
<tr>
<td>Class Size:</td>
<td>35</td>
<td>Number of Lab Hours:</td>
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<tr>
<td>Negotiated by AASC on:</td>
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### 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:
This course will acquaint the student with advanced drawing of equipment and machinery from and as used in industry.

### Prerequisites and/or recommended entry skills/knowledge:
- Course Prerequisite(s): IMT 1241, IMT 1242
- 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:
(Note: No more than two goals may be met by any one course. Curriculum Committee review and the Chief Academic Officer’s approval are required.)

- 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:

- Explain and perform necessary math functions
- **Understand and exhibit competence in Drafting and Print Reading Procedures including:**
  - Prints: The Language of Industry
  - Reading and Steel Rule
  - Applied Mathematics
  - Measurement Tools
  - The Alphabet of Lines
  - Basic Technical Sketching, Lettering, and Dimensioning
- **Understand and exhibit competence in Fundamentals of Size Descriptions:**
  - Dimensioning
  - Tolerancing
  - Machining Specifications and Surface Quality
  - Geometric Dimensioning and Tolerancing

Student Assessment Methods:
Tests

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

### Approvals:

<table>
<thead>
<tr>
<th>Body</th>
<th>Representative Signatures</th>
<th>Date</th>
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<tbody>
<tr>
<td>Curriculum Committee</td>
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<td>Faculty Association</td>
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<td>Academic Affairs Standards Committee</td>
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<td>Chief Academic Officer</td>
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Copies: Curriculum Committee Chair, AASC Chair, Transfer Specialist, Originating Faculty Member, Scheduler, Records, Student Services, Learning Center, Library
Revised: