COURSE INFORMATION FORM

DISCIPLINE  CIMM
COURSE TITLE  Introduction to Blueprint Reading

CR.HR  2  LECT HR.  1.5  LAB HR.  1  CLIN/INTERN HR.  _______  CLOCK HR.  _______

CATALOG DESCRIPTION
The student will learn to read and interpret basic blueprints commonly found in manufacturing. This course is designed for students in the machining and manufacturing careers.

PREREQUISITES
None

EXPECTED STUDENT OUTCOMES IN THE COURSE (ESO)
Upon completion of this course, the student will be able to:

1. Interpret manufacturing prints and drawings.
2. Identify the components of a drawing.
3. Identify orthographic projections.
4. Identify the alphabet of lines.
5. Identify section and auxiliary views.
6. Identify basic geometric dimensioning and tolerancing (GD&T) symbols.
GENERAL EDUCATION OUTCOMES (ESO)
Specify which general education outcomes, if any, are substantially addressed by the course. Numbers in parentheses identify the Expected Student Outcomes linked to the specific General Education Outcome.

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<tr>
<th>Outcomes</th>
<th>ESO</th>
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PROGRAM-LEVEL OUTCOMES

CAREER AND TECHNICAL EDUCATION PROGRAM OUTCOMES
Specify which Career and Technical program outcomes, if any, are substantially addressed by the course by completing the “Career and Technical Education template” to show the relationship between course and program outcomes to assessment measures.

1. Students will think critically and apply problem-solving skills.
2. The program will graduate individuals who exhibit competence in the entry-level skills of technical profession manufacturing technology.

CLASS-LEVEL ASSESSMENT MEASURES
Student accomplishment of expected student outcomes may be assessed using the following measures. (Identify which measures are used to assess which outcomes.)

1. Classroom discussion/Participation: (1 – 6)
2. Assignments/Labs: (1 – 6)
3. Written Exam: (1 – 6)
Individual instructors may order this outline as fits the needs of their individual courses. In addition, they may place more emphasis on some areas than on others. What is assured is that this particular list is covered in the course. Other topics may be added to a course as the instructor sees fit, and as time and interest allow. An *asterisk can be used to mark an item as optional.

I. Components of drawings
II. Alphabet of lines
III. Basic drawing symbols
IV. Understanding view and projections
   a. Isometric
   b. Orthographic
   c. Auxiliary
   d. Section
V. Tolerance and allowances
   a. Dimensions and tolerances
   b. Geometric dimensioning and tolerancing