COURSE INFORMATION FORM

DISCIPLINE       CIMM
COURSE TITLE     Mill Internship & Co-Op

CR.HR            3  LECT HR.    1  LAB HR.  CLIN/INTERN HR.  6  CLOCK HR.  

CATALOG DESCRIPTION

The student will get on-the-job work experience as a manual and/or CNC mill machinist. The student will attend class and work on specific skill development related to manual and/or CNC mill operation.

PREREQUISITES

COLL 100, CSIS 100, CIMM 100/105/115/122, or concurrent enrollment and a “C” or higher in the prerequisite classes.

EXPECTED STUDENT OUTCOMES IN THE COURSE (ESO)

Upon completion of this course, the student will be able to:

1. Perform job tasks that involve skills/knowledge directly related to operation of a manual and/or CNC mill.
2. Perform manufacturing job responsibilities as outlined in the learning goals worksheet.
3. Allocate resources per job duties and responsibilities.
4. Communicate in the work environment as required per job duties and responsibilities.
5. Acquire and interpret necessary information per job duties and responsibilities.
6. Monitor and correct performance per job duties and responsibilities.
7. Select and use appropriate technology to complete job duties and responsibilities.
8. Calculate necessary mathematics per job duties and responsibilities.
9. Demonstrates effective written communication per worksite learning log, job duties and responsibilities.
10. Apply problem-solving techniques per job duties and responsibilities.
11. Exhibit appropriate personal qualities per job requirements.
12. Develop additional skills related to manual or CNC mill operation.
13. Create a resume per industry standards.
14. Demonstrate appropriate interview skills.
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.

Outcomes        ESO

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 demonstrate the ability to apply foundational skills in an industrial setting, safely and to industry guidelines.

2. Students will think critically and apply problem-solving skills.

3. The program will graduate individuals who exhibit competence in CNC programming, setup and operation.

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.)

Student Evaluation: (1-13)

Employer Evaluations: (1-13)

Instructor Assessment & Evaluation: (1, 13 & 14)
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. Manufacturing Mill Internship & Co-Op Orientation
   A. Internship/Co-Op Training Plan
   B. Internship Training Agreement
   C. Internship Wage and Hour Form
   D. Internship Evaluation Form

II. Review of Evaluation Process

III. Advanced Mill Operation

IV. Resume Writing

V. Interviewing Skills