COURSE INFORMATION FORM

DISCIPLINE  CIMIT
COURSE TITLE Special Problems and Projects
CR.HR. 1 - 3 LECT HR. ------- LAB HR. 2 - 6 CLIN/INTERN HR. ------- CLOCK HR. -------

CATALOG DESCRIPTION

Independent study in machining and manufacturing areas under the supervision of a faculty member.

PREREQUISITES

Instructor Approval

EXPECTED STUDENT OUTCOMES IN THE COURSE (ESO)

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

1. Demonstrate appropriate machine shop safety.
2. Perform tasks as outlined by the student and faculty to solve the problem and/or complete the project.
3. Calculate necessary mathematics per problem and/or project.
4. Allocate resources per problem and/or project.
5. Demonstrate problem-solving techniques per problem and/or project.
6. Communicate in a written report all the steps taken during this project.
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.)

1. Instructor Evaluation (1-6)
2. Student Evaluation: (2)
3. Student-Teacher Discussion: (1-6)
4. Report: (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.

This variable 1-3 credit course will, by its very design, differ by instructor and semester. The topics, content and projects will be determined by the instructor to best meet the needs of the student/s involved.