

SOUTHEAST COMMUNITY COLLEGE
CONSTRUCTION MANUFACTURING AND TECHNOLOGY DIVISION
Manufacturing Engineering Technology Program
Revision Date: August 23, 2021

I. CATALOG DESCRIPTION

Course Number: MFGT2999
Course Title: Special Project
Prerequisite(s): Permission
Catalog Description: This course allows students to pursue the study of a selected topic approved by the program. Credit hours will vary.
Credit Hours: 1-3
Class Hours: 15-45
Lab Hours: 0
Total Contact Hours: 15-45

II. COURSE OBJECTIVES: *Course will:*

- A. Provide student with an opportunity to pursue and study a specific area of manufacturing engineering.
- B. Require a formal written contract to be completed between the sponsoring instructor and the student to identify the requirements, assessments, and completion date.

III. STUDENT LEARNING OUTCOMES AND GENERAL EDUCATION LEARNING OUTCOMES:

- A. Student Learning Outcomes: *Student will be able to:*
 - 1. Complete specified requirements to gain knowledge of a manufacturing engineering area as per contract.
 - 2. Perform hands-on activities to demonstrate skill in a manufacturing engineering area as per contract.
 - 3. Verify knowledge and skills by completing assessments as per contract.
- B. General Education Learning Outcomes (GELOs)
 - 1. GELO 3: Critical Thinking & Problem Solving
 - Outcome 2: Synthesize information to arrive at reasoned solutions to problems.

IV. CONTENT/TOPICAL OUTLINE

- A. Develop a contract to include topic, objectives, procedures of study, and outcomes or expected results.
- B. Monitor student's progress in the completion of the project.
- C. Evaluate the completed project in conjunction with the objectives of the contract.

V. INSTRUCTIONAL MATERIALS

- A. Instruction materials vary with project(s) assigned.
- B. Computer and Internet access

VI. METHODS OF PRESENTATION/INSTRUCTION

- A. Methods of presentation typically include a combination of the following:
 - 1. Directed study

VII. METHODS OF EVALUATION

- A. Assessments vary based on the specifications in the written contract.