

SOUTHEAST COMMUNITY COLLEGE
CONSTRUCTION MANUFACTURING AND TECHNOLOGY DIVISION
Electronic Systems Technology Program
Revision Date: August 26, 2019

I. CATALOG DESCRIPTION

Course Number: ELEC2999
Course Title: Special Projects
Prerequisite(s): Program Director approval
Catalog Description: Special project as assigned by Program Director.
Credit Hours: 1-3
Class Hours: 15-45
Lab Hours: 0
Total Hours: 15-45

II. COURSE OBJECTIVES: *Course will:*

- A. Provide the student with an opportunity to pursue and study a special area of interest in the electronic field.
- B. Provide student with opportunity to complete a missing class by participating in a different class or part of class that covers the same material
- C. Require a formal written contract to be completed between the sponsoring instructor and the student to identify the project, procedures, and completion date.

III. STUDENT LEARNING OUTCOMES AND GENERAL EDUCATION LEARNING OUTCOMES:

- A. Student Learning Outcomes: *Student will be able to:*
 - 1. Participate in other class to cover material missed to complete educational requirements
 - 2. Conduct research or otherwise pursue a study in an area of interest in the field of electronics as per contract.
 - 3. Develop a written report relative to the research or study.
 - 4. Present the written study and/or sit for oral presentation with sponsoring instructor to evaluate the project relative to objectives included in the 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 the research or 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.

VI. METHODS OF PRESENTATION/INSTRUCTION

- A. Independent/directed study.
- B. Technology enhanced lecture
- C. Classroom discussion
- D. Interactive group activities

- E.** Audio visual materials
- F.** Presentation by experts for the Electronics and Networking industry
- G.** Configuration and setting up network equipping both hardware and/or emulation

VII. METHODS OF EVALUATION

- A.** Attendance and participation
- B.** Daily assignments
- C.** Written exams and/or quizzes
- D.** Performance and observational assessment
- E.** Evaluation is judged by instructor in keeping with the written contract among the student and the instructor, program chair, and/or division dean.

VIII. SPECIFIC COURSE REQUIREMENTS

- A.** Enrollment allowed only by special permission.
- B.** Credit by Examination: Credit for the course CANNOT be earned through Credit by Examination.