COURSE DESCRIPTION

Special Topics in Computer and Information Sciences, General

This is a WECM Course Number.

Course Description: Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course may be repeated if topics and learning outcomes vary. (2 Lec., 2 Lab.)

WECM END-OF-COURSE OUTCOMES: Use project management software to plan and manage a project; organize and evaluate project phases; produce reports and charts; distinguish task relationships; and demonstrate teamwork.

STUDENT LEARNING OUTCOMES:

Upon the successful completion of ITSC 1391, students will be able to:

- Identify industry accepted principles of Project Management.

- Produce personal journals to demonstrate various writing skills used by Project Management Professionals for communication.

- Reinforce project management software skills and knowledge of the Project Management Body of Knowledge (PMBOK) set of standards for effective project managers and project teams through class participation and completion of required assignments.

- Demonstrate proficiency in the use of Traditional and Agile Project Management.

COURSE MATERIALS

Textbook: None.

Required Software: Access to the full installation of Microsoft Project 2016.

A student of this institution (El Centro College) is not under any obligation to purchase a textbook from a university-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer.
Major Course Requirements

Students will plan and manage a small project
Students will create a complex Project Management Plan
Students will write personal journals to demonstrate writing skills used for professional communication
Students will complete lab exercises which include:

- Current Project Management theory & concepts
- Review of timelines, milestones, scheduling, lifecycle phases, management frameworks, skills, processes and tools
- Standards used by Project Management (PMBOK) Project Management Body of Knowledge

A Final Projects will be used to evaluate the student’s understanding of Project Management and knowledge presented in each chapter.

Subject Matter

Topics covered in the lecture portion of the course include:

Topic #1: Introduction to Project Management.

Topic #2: Waterfall Methodology Topic

Topic #3: Using MS Project for Traditional Project Management

Topic #4: Case Study #1: Brick and Mortar

Topic #5: Agile Project Management

Topic #6: Agile Project Management using Trello

Topic #7: Case Study #2: Mobile Banking Application

Topic #8: Sprints and Scrum Topic #8: Sprints and Scrum item options

Topic #9: Case Study #3: World Health Club System

Topic #10: Final Exam and Final Project

Disclaimer

The provisions contained in this syllabus do not constitute a contract between the student and El Centro College. These provisions may be changed at the discretion of the Coordinator/Instructor. When necessary, appropriate notice of such changes will be given to the student.

The instructor-of-record may provide additional information to enhance the course to meet the needs of the enrolled students, provided that the enhancements do not conflict with the official course syllabus.

Institutional Policies

Institutional Policies relating to this course can be accessed from the following link [www.elcentrocollege.edu/syllabipolicies](http://www.elcentrocollege.edu/syllabipolicies)