A. Protocol

Course Name: Senior Project II
Course Number: CET 492/CSC 492 (Dual Listing)
Credits: 3
Prerequisites: CET 490 or CSC 490 Sen. Project I: Software Engineering with C- or better
Maximum Class Size (face-to-face): 24
Maximum Class Size (online): N.A.

B. Objectives of the Course:

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

1) Justify academic program proficiency through successful completion of the proposed project
2) Write individual weekly progress reports and a project users’ manual
3) Demonstrate oral communications skills through a presentation of the project
4) Apply project planning and teamwork skills.

C. Catalog Description:
This course is a continuation of the Senior Project I: Software Engineering course and the capstone course of the program. The project proposal developed and designed in the first Senior Project class will be implemented in this course. The student will produce a project users’ manual and will demonstrate proficiency in the academic program through the development of the project. Prerequisite: CSC 490 or CET 490 Senior Project I: Software Engineering with C- or better. Spring. Three credits.

D. Outline of the Course:

1) Implementation of the project proposal developed and designed in the first Senior Project Class:

The team of instructors will meet with the students in the assigned class time. Teams will be assigned to an instructor based on the topic of the project and the expertise of the instructor. During the scheduled class time, the students will work on their projects. One team at a time will meet with their assigned project director, instructor. They will provide the instructor with the individual weekly written project progress reports. These project reports will be discussed with the instructor. The instructor will consult with the students and oversee the projects. The individual weekly progress reports will be at least two double spaced pages in length detailing the activities of the individual and the team. There will be at least 30 double spaced word processed pages for the individual weekly reports over the course of the semester per student. These individual reports will be reviewed by the instructor and returned to the students for possible revisions. The students will complete the project that was proposed in the Senior Project I: Software Engineering course. Class time will also be used so that the instructor can assist the students with the development and debugging of the project. Half way through the course each team will present a preliminary users’ manual for their project. This manual is to detail the installation, use, and maintenance of the project. This document should be at least 30 double spaced pages in length. This document will be reviewed by the instructor and returned to the team for possible revisions. At the completion of the course, the students
will deliver the working project along with the revised users’ manual to the assigned project director for assessment

E. Teaching Methodology:

1) Portions of the course will be taught using the lecture/discussion method and portions of the course are student-project oriented. Students will work in teams as in a real-world software engineering environment. Students will implement the project proposed and specified in Senior Project I. Additionally, the students will produce several documents including weekly reports and the project users’ manual.

During each phase of the project (CSC 490 and CSC 492), a student will be responsible for leading their team. Each student will lead at least once. The phases are:

- Specification
- Design
- Implementation
- Requirements & User Manual

2) Online Methodology:
This course will not be taught online.

F. Text:

G. Assessment Activities:

1) Traditional Classroom Assessment

Students are required to write a 1 to 2 page paper documenting the new technology that they learned during Senior Project I and Senior Project II.

The final grade will be determined as a percentage from the following evaluation methods with varying weights at the discretion of the instructor:

- a. Weekly progress reports
- b. Project
- c. Assignments
- d. Users Manual
- e. Examinations
- f. Attendance
- g. Performance

2) Online Assessment
No online assessments will be given.

H. Accommodations for Students with Disabilities:

**Accommodations for Students with Disabilities**

Students with disabilities:
- Reserve the right to decide when to self-identify and when to request accommodations.
- Will register with the Office for Students with Disabilities (OSD) each semester to receive accommodations.
- Might be required to communicate with faculty for accommodations, which specifically involve the faculty.
- Will present the OSD Accommodation Approval Notice to faculty when requesting accommodations that involve the faculty.
Requests for approval for reasonable accommodations should be directed to the Office for Students with Disabilities (OSD). Approved accommodations will be recorded on the OSD Accommodation Approval notice and provided to the student. Students are expected to adhere to OSD procedures for self-identifying, providing documentation and requesting accommodations in a timely manner.

Contact Information:
- Location: Azorsky Hall – Room 105
- Phone: (724) 938-5781
- Fax: (724) 938-4599
- Email: osdmail@calu.edu
- Web Site: [http://www.calu.edu/current-students/studentservices/disability/index.htm](http://www.calu.edu/current-students/studentservices/disability/index.htm)