

Course Syllabus

**California State University, Bakersfield (CSUB)
Department of Electrical & Computer Engineering & Computer Science
ECE 4928: Senior Project II**

Instructor

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Office hours: Friday, 12:00PM – 1:00PM

Lecture time

Friday 1:00PM - 2:40PM, Science III, Room 240

Prerequisite:

ECE 4910 and completion of at least 90 units.

Course Description:

This is the completion phase of the project. Students will present a project report to the entire class, explaining the nature of the work, the finished product, and its relationship to the field. Students will demonstrate proficiency in critical thinking, information literacy, written communication, and quantitative reasoning in their written project report. Additionally, students will demonstrate an understanding of their academic pursuits by reflecting on their studies of the arts, humanities, natural sciences, behavioral sciences, and social sciences.

Course Objectives:

Senior Project is intended to provide a problem analysis and system design experience, and an opportunity to practice and perfect the skills of technical writing and oral presentation. By the time you complete this course, you should have improved your skills significantly in:

1. Systems Analysis and Design:

This includes the ability to:

- Define a problem
- Identify and analyze relevant factors
- Develop a model of the system under study
- Choose and apply appropriate methodologies
- Evaluate alternative solutions
- Design the proposed system

2. Technical Writing

You have chosen a field that demands effective written communication. Your skill in documenting the results of your work will determine to a large extent the value of that work.

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3. Public Speaking

Your skill in clear, concise, and convincing presentation may make the difference between a successful project and fruitless effort.

4. Team Work

You will learn to cooperate with a diverse group of individuals and coordinate your activities with others in your group, even when there are conflicting priorities. Successful groups learn to work harmoniously, complete the work on time, and prepare effective and professional reports and presentations.

5. Project and Time Management

Interacting with a diverse group of individuals, completing your tasks satisfactorily and on time even as problems develop, and preparing various reports and presentations will sharpen your project and time management skills.

This course provides an opportunity for you to learn about the business world. Keep your eyes and ears open to your company's culture. Find out how the company has distinguished itself from its competitors, how it projects itself externally and how it views itself internally.

Attendance:

Attendance is mandatory for all class presentations including presentations of groups other than your own.

Grading:

Your grade for the course will be determined by your performance in individual as well as group activities. Here are the relative weights for each component:

Classroom attendance and participation	10%
Presentations and reports	20%
Final Presentation	30%
Final Report	40%

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Accessibility:

California State University, Bakersfield attempts to guarantee access to all classes by all students. Students can find CSUB's accessibility policies and services by going to the website for the Office of [Services for Students with Disabilities](#). In addition, E-Learning Services at CSUB has its own policy for guaranteeing access to students in online classes:

"California State University, Bakersfield is committed to providing equal access to Web-based information for people with disabilities. This is in accordance with Section 504 of the 1973 Rehabilitation Act, Section 508 of the Rehabilitation Act Amendment of 1998 and the 1990 Americans with Disabilities Act, and Executive Order 926 of California State University."

To achieve the goal of universal accessibility, CSUB uses Blackboard as its Learning Management System (LMS), the first LMS to receive the Nonvisual Accessibility Gold Certification by The National Federation of the Blind. Students can read more about [Blackboard's guarantee of accessibility](#) and its accessibility programs at its website.

Technical Requirements and Support:

All of the lectures in this class were given in PDF. Adobe Acrobat Reader is available on every computer on the CSUB campus. If students have difficulty with the content of the class, they need to contact the instructor. If students are having any technical problems with Blackboard, or loading the IPA fonts from Blackboard to their own computers, then students need to contact the Blackboard Help Desk, either by telephone (661) 654-2315 or by email lmssupport@csub.edu. Students may also go to the E-Learning Services Building on the east side of the Walter Stiern Library.