

CSCI 4260 – SENIOR DESIGN I

CREDIT and CONTACT 2

HOURS: PREREQUISITES: CSCI 3323; CSCI 3321 or CSCI 3331; department chair approval.

GRADE REMINDER: Must have a grade of C or better in each prerequisite course.

CATALOG DESCRIPTION

Design and fully realized software system for a customer. Requirements elicitation, project management, software design, and professional development.

PURPOSE OF COURSE

The purpose of this course is to familiarize the students with the experience of building full software systems. The students will start with a need from a customer and begin the process to build the system. Students will become familiar with gathering requirements for a system, planning the project from beginning to end, and documenting the design of the system. The students will learn professional skills through interacting directly with a customer.

EDUCATIONAL OBJECTIVES

Upon successful completion of the course, students should be able to:

1. Interact with a real customer working on a real project.
2. Write an SRS describing the requirements of the system.
3. Write a project outline for the entire process.
4. Write a Design document detailing the design of the system.

COURSE CALENDAR

This course meets for a minimum of 30 contact hours during the semester. Students have significant weekly assignments. Students are expected to conduct customer meetings, complete design assignments, and make a presentation of the completed design. Successful completion of these activities requires at a minimum four additional hours of outside of classroom work each week.

CONTENT	Hours
Interaction with the customer(s)	5
Project timeline and schedule	5
System Requirements Specification (SRS).....	10
Requirements elicitation and refinement	
System Design	10
Architectural Design	
Interface Design	

Backend Design

TOTAL 30

Attendance Policy:

Attendance will be taken at the beginning of each class. If you have 3 unexcused absences, then your final grade will be reduced by one letter grade. If you have 4 unexcused absences, you will receive an "F" in the course. To receive an excused absence a written and signed notice is required within three class days of the absence. If you miss class without approval of your instructor, you will receive a grade of zero on the missed assignment. Authorized absences must be approved by your instructor in advance of the absence unless you have an emergency or illness. Make-up work must be completed outside of normal class hours and within one week following an excused absence. It is your responsibility to see your instructor and make arrangements for make-up work.

Academic Integrity (A-9.1)

Academic integrity is a responsibility of all university faculty and students. Faculty members promote academic integrity in multiple ways including instruction on the components of academic honesty, as well as abiding by university policy on penalties for cheating and plagiarism.

Definition of Academic Dishonesty

Academic dishonesty includes both cheating and plagiarism. Cheating includes but is not limited to (1) using or attempting to use unauthorized materials to aid in achieving a better grade on a component of a class; (2) the falsification or invention of any information, including citations, on an assigned exercise; and/or (3) helping or attempting to help another in an act of cheating or plagiarism. Plagiarism is presenting the words or ideas of another person as if they were your own. Examples of plagiarism are (1) submitting an assignment as if it were one's own work when, in fact, it is at least partly the work of another; (2) submitting a work that has been purchased or otherwise obtained from an Internet source or another source; and (3) incorporating the words or ideas of an author into one's paper without giving the author due credit.

Please read the complete policy at http://www.sfasu.edu/policies/academic_integrity.asp

Withheld Grades - Semester Grades Policy (A-54)

Ordinarily, at the discretion of the instructor of record and with the approval of the academic chair/director, a grade of WH will be assigned only if the student cannot complete the course work because of unavoidable circumstances. Students must complete the work within one calendar year from the end of the semester in which they receive a WH, or the grade automatically becomes an F. If students register for the same course in future terms the WH will automatically become an F and will be counted as a repeated course for the purpose of computing the grade point average.

Students with Disabilities

To obtain disability related accommodations, alternate formats and/or auxiliary aids, students with disabilities must contact the Office of Disability Services (ODS), Human Services Building, and Room 325, 468-3004 / 468-1004 (TDD) as early as possible in the semester. Once verified, ODS will notify the course instructor and outline the accommodation and/or auxiliary aids to be provided. Failure to request services in a timely manner may delay your accommodations. For additional information, go to <http://www.sfasu.edu/disabilityservices/>.

Mental Health Statement

SFASU values students' mental health and the role it plays in academic and overall student success. SFA provides a variety of resources to support students' mental health and wellness. Many of these resources are free, and all of them are confidential.

On-campus Resources:

SFASU Counseling Services
www.sfasu.edu/counselingservices
3rd Floor Rusk Building
936-468-2401

SFASU Human Services Counseling Clinic
www.sfasu.edu/humanservices/139.asp
Human Services Room 202
936-468-1041

Crisis Resources:

Burke 24-hour crisis line 1(800) 392-8343
Suicide Prevention Lifeline 1(800) 273-TALK (8255)
Crisis Text Line: Text HELLO to 741-741