

**CSC/CTC 492 01 – Senior Design/Research Project  
Fall 2010**

<b>Instructor</b>	<i>Mohsen Beheshti</i>	<b>E-Mail</b>	<a href="mailto:MBeheshti@csudh.edu">MBeheshti@csudh.edu</a>
<b>Classroom</b>	SAC 2102	<b>Class Time</b>	5:30 – 6:45 MW
<b>Office</b>	NSM A – A32	<b>Office Hours</b>	Monday 03:00 – 05:00 PM Wednesday 10:00 – 12:00 PM AND/OR by Appointments
<b>Phone</b>	(310) 243-3398	<b>URL</b>	<a href="http://csc.csudh.edu">http://csc.csudh.edu</a>

**CATALOG DESCRIPTION:** Selected Topics (3) – Advanced topics in computer science not covered by current course offering.

This is a senior design course for computer science majors. Students will do the following: computer system design; conceptual design methodology, design evaluation, total project planning and management techniques, design optimization, and system manufacturing cost considerations; Students will also work in group project; emphasis is placed upon students' activities as design professionals.

Students will be introduced to proposal writing, and literature searches and must complete an individual design project in this course, give a formal presentation and submit a bound research paper..

**PRE-REQUISITE:** Senior Standing and/or Consent of Instructor

**PREREQUISITES BY TOPIC:**

**TEXTBOOK:** none

**REFERENCE:** Articles

**COURSE GOALS** How to research, write a proposal, set milestones, present the work, deliver written report for the project, and learn to meet the deadlines.

**SPECIFIC INSTRUCTIONAL GOALS:**

- Writing reports
- Writing summaries
- Giving presentations
- Conducting research

## **COURSE OUTCOMES:**

Upon completion of this course, students should be able to do research regarding any computer science topics, create summaries of articles, make presentations, learn how to communicate with other team members, and complete the design, implementation, and the written report for the project..

## **COURSE POLICIES:**

There will be many mini (10 minutes) presentations for the proposal, progress report, etc., and a final presentation given by students reflecting his/her work during the semester. The student needs to ask a faculty to become his/her advisor and two other faculty members as the committee members for his/her senior project. The student will meet with the advisor each week to update the advisor regarding his/her progress and to get feed backs from the advisor or the committee members. There will be a 25 to 30 page written report due by the end of the semester. The report will include the cover page, table of contents, introduction, background, the work, future work/conclusion, references, and glossaries as needed **make sure the final report is not in loose sheets**. The project should include an implementation part to support the project done by the student. The final presentation (30 minutes) will include the work and a demo of the program implemented by the student.

**Attendance: is expected and required.** The student is responsible for materials missed during an absence, whether excused or not. Classes will start at the prescribed time and will end at the prescribed time. Excessive absences or tardiness will result in lowered grades. I will be available during the posted office hours and you may make an appointment for times not posted. The class roll will be called 2 minutes after the hour **OR** a sign-in sheet will be passed around at the beginning of class and once the sheet is returned no late additions will be made. **YOU MUST BE ON TIME.**

### ***Presentations:***

There will be a series of presentations given by students to show their progress during the semester and a final presentation during the last week of the semester. Students need to schedule their final presentation day and time of day by verifying the date with their advisor, the committee members, and the Computer Science Department prior to the last week of the semester.

## **Grading Breakdown:**

Project (proposal, progress and written reports, Implementation, and presentations)	85%
Attendance, class participation, Visiting lectures reports, ACM project	15%

## **Grading Scale:**

90-100	A
80-89	B
70-79	C
60-69	D
Below 60	F

**GENERAL POLICIES:**

***ACADEMIC HONOR CODE***

*Programming assignments must be done individually. Failure to do so will result in a violation of the CSUDH Academic Honor Code. The following cases will be considered as violations: identical code, and extremely similar code. Violations will be reported to the Office of Vice President of Academic Affairs.*

***ATTENDANCE POLICY***

*Excessive absences will result in lowered grades. Excessive absenteeism, whether excused or unexcused, may result in a student's course grade being reduced or in assignment of a grade of "F". Absences are accumulated beginning with the first day of class.*

***STUDENT ACADEMIC APPEALS PROCESS***

*Authority and responsibility for assigning grades to students rests with the faculty. However, in those instances where students believe that miscommunication, error, or unfairness of any kind may have adversely affected the instructor's assessment of their academic performance, the student has a right to appeal by the procedure listed in the Undergraduate Catalog and by doing so within thirty days of receiving the grade or experiencing any other problematic academic event that prompted the complaint.*

***ADA STATEMENT***

*Students with disabilities, who believe they may need an academic adjustment in this class, are encouraged to contact me as soon as possible to better ensure receipt of timely adjustments.*

***DEFINITION OF CHEATING AND PLAGIARISM***

*CSUDH is dedicated to a high standard of academic integrity among its faculty and students. In becoming part of the California State University academic community, students are responsible for honesty and independent effort. Disciplinary action will be taken against any student who alone or with others engages in any act of academic fraud or deceit. (Read University Regulations - page 63 2003-2004 University Catalog)*

## COURSE OUTLINE

Week	Topic	Note
1	Over View of the Course	
2	Topic presentation	Individual Project
3	Proposal Presentation	Individual Project
4	Progress Report	Individual Project
5	ACM Project	Group Project
6	Progress Report	Individual Project
7	Progress Report	Individual Project
8	Progress Report ACM Project	Group Project
8	Progress Report	Individual Project
9	Progress Report	Individual Project
10	Progress Report	Individual Project
11	ACM Project	Group Project
12	Progress Report	Individual Project
13	Progress Report	Individual Project
14	Progress Report	Individual Project
15	ACM Project	Group Project
16	<b>Final Written Report and Implementation Due Final Presentation Due</b>	