COE 485: Senior Design Project (1-6-3)
Term 101 (Fall 2010)

Syllabus

Section: 02   **Time:** Monday 8:00-8:50   **Place:** 22-132

Instructor: Dr. Ahmad Almulhem   **Office:** 22-407-2
Phone: 860-7554   **Email:** ahmadsm AT kfupm
Office Hours: TBA
Web site: http://www.ccse.kfupm.edu.sa/~ahmadsm

Catalog Description:
This course is designed to give students the experience of tackling a realistic engineering problem. The intent is to show how to put theoretical knowledge gained into practical use by starting from a word description of a problem and proceeding through various design phases to end up with a practical engineering solution. Various projects are offered by COE faculty in their respective specialization areas. The project advisor guides the student in conducting feasibility study, preparation of specifications, and the methodology for the design. Detailed design and implementation of the project are carried out followed by testing, debugging, and documentation. An oral presentation and a final report are given at the end of the semester.

Prerequisite: Senior Standing.

Textbook: No textbook for this course

Grading Policy (Total 100%):

Iteration#1
Document1: proposal (survey, tasks), partial design   **20% (Oct 18, W4)**
Demo1: Initial UI, website

Iteration#2
Document2: revised proposal, complete design   **20% (Nov 29, W9)**
Demo2: complete UI, website, partial logic

Iteration#3
Document3: Final report (survey, design, implementation), website   **40% (Jan 10, W15)**
Demo3: complete product

Progress presentations   **5% (W12)**

Peer evaluation   **10%**

Attendance/Discussion   **5%**

General Policies:

- Incomplete Grade (IC) is not considered as an option in this course.
- All deadlines are hard; late submissions result in a 25% penalty for every 12 hours.
- Attendance is required. As per KFUPM policies, a 20% (3 lectures) absences will result in a DN grade.
- The Internet (companies' websites, newsgroups, forums, etc.) and the KFUPM library are your main source for information regarding the proposed projects.
- Projects are student-driven; the instructor will provide description of the final outcome and set guidelines for the development process. The student is responsible for carrying out the intended tasks. The projects require excellent programming skills in addition to self motivation and persistence.
- Work will be carried by teams (3) – all members of a team should contribute equally to the project.
- Although cooperation amongst all students is encouraged, teams must work independently. Deliverables submitted by different teams that are similar will receive an F grade.
- It is prohibited to copy or past text, figures, diagrams, or plots from other sources (books, articles, etc.) without referencing the original source. If you absolutely need to refer to figures, diagrams, or plots that appear in other sources, then you should include clear reference to their authors in the caption. An 'F' grade will be given to the student if this rule is not observed.