San Francisco State University  
Electrical Engineering  

Course Outline for ENGR 696/691 - Engineering Design Project I

Bulletin Description:
ENGR 696 Engineering Design Project I (1 unit)
Prerequisites: Completion of at least 21 upper division units in engineering and passing score on JEPET or concurrent enrollment in ENG 414. Laboratory and field exercise and demonstrations; discussion aimed at selection of design projects, methods of research, time management, engineering professional practice and ethics. Culminates in selection of design projects, schedule, and oral and written presentation proposal.

Textbooks:
None

Professional Component:
Engineering Design 100%

Evaluation:
1. On Time class attendance, class participation and seminars 20%
2. Midterm oral presentation and report 30%
3. Final project proposal formal report & presentation 40%
4. Assignment on ethics (oral and written report) 10%

Fall 2007:
Instructors:

Hao Jiang
Office: SCI 213C, MW 11:10am-12:40pm, or by appointment  
Phone: (415) 338-6379  
E-mail: jianghao@sfsu.edu

Hamid Mahmoodi
Office: Science 213C, Tue 10:30-12, Thu 1:30-3pm, or by appointment  
Phone: (415) 338-6579  
E-mail: mahmoodi@sfsu.edu

Class/Laboratory Schedule:
Th 9:35–12:20 (1-2 hour 45 minute lab session/week)

Tentative Class Meeting Dates: Topics
Aug.  28  Organization
Sep.  11  Library Research (Carolyn Harnley) 426A – 4TH floor of library
Sep.  25  Project discussion
Oct.  2   Project discussion and Oral presentation Techniques
Oct.  16  Progress report discussions
Oct.  30  Midterm formal oral presentation and written report due
Nov.  06  Resume writing and interviewing techniques (Laura Carter)
Nov. 13 Progress report & projects discussions
Nov. 20 Project ideas and discussion, Product liability, Professionalism, and Ethics
Dec. 04 Final formal oral presentation. Formal written report due at the beginning of class

NOTE: The Thursdays that class does not meet, there will be group meetings.

Notes on Evaluation

- In evaluation of your reports and oral presentations careful consideration will be given to the following points:
  * The quality and technical content of the work done.
  * The clarity, effectiveness and completeness of oral presentations.

- Class meeting attendance is mandatory. Grades will be lowered for absence and/or tardiness. You should leave all Thursday morning time slots open for possible additional meetings.

Grading:

A: 90-100%, B: 80-89%, C: 70-79%, D: 60-69%, F: below 60%