

SYLLABUS Senior Design II-ENGR 4296

Contact Information:

Lecture Time	R: 12:30 - 1:50 PM
Lecture Place	GL L024
Laboratory	Anderson Hall Workrooms (see your department's lab manager)
Lecturer	Steven Ridenour, Professor
Lecturer Office	EA 326
Lecturer Office Hours	Tu-Thur 2.00-4.00pm (also available as needed at other times)
Lecturer Phone	215-204-8825
Lecturer Email	steven.ridenour@temple.edu
Class Alias	enr_sd_2012f@listserv.temple.edu
URL USE AS NEEDED	http://www.isip.piconepress.com/courses/temple/enr_4296/
Textbook	None
Prerequisites	Successful completion of ENGR 4196 Senior Design Project I

Grading Policies:

Item	Weight
Weekly Deliverables	20%
First Hardware Prototype	10%
Final Hardware Prototype	10%
Preliminary Design Review	10%
Design Review	10%
Design Document	10%
Web Site	10%
Poster for Final Design Review	5%
Advisor/Coordinator Evaluation	15%
Lab Penalty: Failure To Clean The Lab	-10%

FINAL GRADE WILL NOT BE RECORDED UNTIL SENIOR EXIT SURVEY IS COMPLETED.

Description:

Senior Design II continues the process of designing, building and testing your project. The emphasis will be on demonstrating that your design meets its design requirements through comprehensive testing. The organization of the class parallels that of [Senior Design I](#) closely.

Schedule:

Senior Design Project II will meet as a class every **Thursday** for one hour. The lecture topics are shown below. Every Tuesday, with no exceptions, teams are expected to meet as a team. Every team member must be available at this time. Course coordinators will also be available.

Class	Date	Topic(s)
1	01/24	Organization and Bill of Materials
2	01/31	Design Document Review
3	02/07	Technical Presentations and PowerPoint Tips
4	02/14	Experimental Design
5	02/21	Accelerated Life Testing
6	02/28	Executive Summary
7	03/07	Preliminary Design Reviews
8	03/21	Business Plans - Part I
9	03/28	Business Plans - Part II
10	04/04	MATLAB and SIMULINK
11	04/11	Salaries, Benefits, and More Benefits
12	04/18	Design Reviews
13	04/25	Guest Lecture:
14	05/02	Intellectual Property and Noncompete Agreements

Please note that the dates above are fixed since they have been arranged to optimize a number of constraints. You need to adjust your schedules, including job interviews and site visits, accordingly.

Deliverables:

All deliverables must be posted to the project web site by 5pm on the Friday following the day indicated below. Thus you have a window between the due date and the deadline date. The course instruction team will download these documents from the web site at this time and grade them. All deliverables must be posted to the website on MSWord so that the department coordinators can do Markups to indicate shortcomings.

HW	Due Date	Item(s)
1	01/24	Bill of Materials
2	01/31	Project Abstract Problem Statement
3	02/07	Design Constraints Design Constraints Narrative
4	02/14	Approach
5	02/21	First Hardware Prototype
6	02/28	Project Schedule Checkpoint Meeting Logs Checkpoint
N/A	03/07	Preliminary Design Review
7	03/21	Cost and Schedule
8	03/28	Evaluation
9	04/04	Second Hardware Prototype
10	04/11	Executive Summary
N/A	04/18	Design Reviews & POSTER
11	04/25	Final Hardware Prototype
N/A	05/02	Design Document Web Site