

Department of Electrical and Computer Engineering					
EEN 415/418 "Senior Project Planning/Senior Project I"					
FALL 2014					
Schedule: F 3:35 - 5:00 (MM-112)					
Instructors:		Dr. Michael Scordilis			
		Dr. Stephen Murrell			
<b>Course Description:</b> Topics cover tasks in project planning including scheduling, documentation, communication (written and oral), financial constraints, and ethics. Students are required to present project proposals to serve as the basis for the follow-up course					
<b>Student Outcomes:</b> (1) Learn the fundamental principles of engineering design, (2) Develop skills for using design tools effectively, (3) Demonstrate good professional design skills, (4) Develop and finalize the specifications for the design project to be built in EEN 416/419.					
<b>Textbook:</b> Design for Electrical and Computer Engineers, Ford, R., Coulston, C., 1st Edition, McGraw-Hill 2008					
Week No.	Date	Chapter	Topic	HW & Quiz	Proposal Activity
1	F 8/29	1	The Engineering Design Process	1	
2	F 9/5	2	Project Selection and Needs Identification	2	Guest faculty ideas
3	F 9/12	3	The Requirements Specification	3	Guest faculty ideas
4	F 9/19	9	Teams and Teamwork	4	Guest faculty ideas
5	F 9/26	4	Concept Generation and Evaluation	5	Guest faculty ideas
6	F 10/3	5	System Design I: Functionality Decomposition	6	Project Team Selection
7	F 10/10	6	System Design II: Behavior Models	7	
8	F 10/17		Fall Recess		
9	F 10/24	10	Project Management	8	Proposal Agreement
10	F 10/31	11	Ethical and Legal Issues	9	
11	F 11/7	12	Oral Presentations	10	
12	F 11/14	7 & 8	Testing and System Reliability		Proposal Presentation
13	F 11/21		Project Teams Proposal Presentations		Proposal Presentation
14			Thanksgiving Break: 11/24 - 11/28		
15	F 12/5		Project Teams Proposal Presentations		Proposal Presentation
<b>Assessment scheme:</b> Homework and quizzes 35%; Project Proposal 65%					
<b>Attendance Policy:</b>		1% will be taken off the maximum possible final course grade of 100 for every class lecture a student is missing with no justified reason, such as prior-notified illnesses and legitimate academic activities.			
<b>Holy Days Exceptions:</b>		The University of Miami, although a secular institution, is determined to accommodate those students who wish to observe religious holy days. Any student absent from class in observance of a religious holy day shall not be penalized in any way for an examination or assignment missed during the period of absence, provided the instructor is notified in writing via e-mail before the end of the first week of classed.			
<b>Grades scale:</b> A+>95%>A>90%>A->85%>B+>80%>B>75%>B->70%>C+>65%>C>60%>C->55%>D>50%>F					