



Senior Design II: XXX 488

1st Day Instructions

Dr. Richard Kunz

301-4061; kunz_rk@mercer.edu

Dr. James Wright

wright_jg@mercer.edu

Handouts

- You should have a copy of each of the following:
 - Syllabus
 - Course Schedule
 - Management Review Schedule
 - This presentation
- From last semester: **Guide for XXX487/488** still applies
- Each of the above documents will be posted on my website (http://faculty.mercer.edu/kunz_rk)
- Read all material handed out today
 - you’ re responsible whether we’ ve specifically gone over subject or not
- We will cover **Highlights** today

Overview

- Class policies are essentially unchanged from last semester
 - Attendance at all class and group meetings is mandatory
 - Due dates for all deliverables are firm
- Overall format is similar to last semester
 - Class meetings (fewer than last term)
 - Group meetings (fewer than last term)
 - Individual progress reports
 - Oral team progress reports

Schedule

Date	Week	Weekday	Topic	Deliverable
13-Jan	1	Tues.	First Day of class	
15-Jan		Thurs.	Scheduled group meetings	
20-Jan	2	Tues.	No class - Project work day	
22-Jan		Thurs.	No class - Project work day	
27-Jan	3	Tues.	No class - Project work day	Individual Progress Report
29-Jan		Thurs.	No class - Project work day	
3-Feb	4	Tues.	No class - Project work day	
5-Feb		Thurs.	No class - Project work day	
10-Feb	5	Tues.	No class - Project work day	Individual Progress Report
12-Feb		Thurs.	No class - Project work day	
17-Feb	6	Tues.	No class - Project work day	
19-Feb		Thurs.	Scheduled group meetings	
24-Feb	7	Tues.	No class - Project work day	
26-Feb		Thurs.	No class - Project work day	
3-Mar	8	Tues.	Presentations	Oral Team Progress Reports
5-Mar		Thurs.	Presentations	Oral Team Progress Reports
10-Mar		Tues.	Spring Break	
12-Mar		Thurs.	Spring Break	
17-Mar	9	Tues.	No class - Project work day	Individual Progress Report
19-Mar		Thurs.	No class - Project work day	
24-Mar	10	Tues.	No class - Project work day	Individual Progress Report
26-Mar		Thurs.	No class - Project work day	
31-Mar	11	Tues.	No class - Project work day	
2-Apr		Thurs.	Scheduled group meetings	
7-Apr	12	Tues.	No class - Project work day	
9-Apr		Thurs.	No class - Project work day	
10-Apr		Fri.	Engineering Expo	Poster Presentation
14-Apr	13	Tues.	No class - CDR Week	CDR document* and presentation
16-Apr		Thurs.	No class - CDR Week	
21-Apr	14	Tues.	No class	
23-Apr		Thurs.	No class	
28-Apr	15	Tues.	Final class meeting	Senior Survey from Dean; Final: Peer Evaluations Due
30-Apr		Thurs.	No class	

*CDR document is due to instructor, client, tech advisors **no later than** COB 3 working days before presentation

Management Review Meeting Schedule

WRIGHT					KUNZ				
Management Review Schedule (xxx-488)					Management Review Schedule (xxx-488)				
Dates:	15-Jan	19-Feb	2-Apr		Dates:	15-Jan	19-Feb	2-Apr	
Time slots	Room EGC 106				Time slots	Room EGC 101A			
	Group Members					Group Members			
3:00-3:15	Drury, Hendrix, Thigpen				3:00-3:15	Eckles, Taylor, Young			
3:15-3:30	Gentry, Morris, Odom				3:15-3:30	Crabtree, Schmidt, Tagoe			
3:30-3:45	Hancock, Samuels, Sappington				3:30-3:45	Atzmon, Mason, Piedrahita			
3:45-4:00	Demers, Robison, Taff				3:45-4:00	Gaunt, Law, Tosan, Trexler			
4:00-4:15	Evans, Khan, Phuong				4:00-4:15	Barnes, Harrison, Yawn			
4:15-4:30	Beaver, Mullinax, Pounds, Shadix				4:15-4:30	Hudson, Strickland, Thomas, Lindsay			
4:30-4:45	Cooper, Schindler, Thompson, Wilkins				4:30-4:45	Geran, Simpson, Reina			
4:45-5:00	Boyer, Eackles, Jones				4:45-5:00	Abdella, Jones-Johnson, Scott			
					5:00-5:15	Behm, Bolig, Wischmeyer			

Highlights

- Individual progress reports due by email to Dr. Kunz/Dr. Wright by COB on dates shown
- 10 minute team progress reports will be presented to the class on 3 and 5 March
- Each team will prepare a poster and present it at the Engineering Expo on 10 April in the UC
- Because we are meeting less often as a group, be sure to closely monitor your **Mercer email** for announcements

XXX 488 Grade Guidelines

Graded Item	Weight %
Critical Design Review	
- Written	45
- Oral	25
Professionalism	25
Poster for Engineering Expo	5
Final Exam: Peer evaluation	-5 or 0
TOTAL	100

The Process

- 1st semester – design your solution and create a test plan
- 2nd semester – build and test

Suggested Timeline

- **Week 1:** Collect all parts and begin construction
- **Week 5:** Construction completed; begin testing and correcting deficiencies
- **Week 10:** Testing completed. Test results documented
- **Week 12:** Written report and all working drawings completed; poster presentation
- **Week 13:** CDR presentation
 - **April 17** is the last day for CDR Presentations
 - CDR document due by COB three working days prior to your presentation

Student Project Rooms

- If needed, request a Student Project Lab if you have not already done so
- Obtain form from my website – complete, get signatures, and give to Mr. Jeremy Barker, SEB 223

Order Materials and Supplies NOW!

- Order individually with your credit card
- **Keep all receipts**
 - Tax exempt form is on my website
- When all purchases have been made, obtain reimbursement through Ms. Trena Rogers, SEB 101

Compliance with Requirements

- All deliverables must conform to specifications
 - Hardware built
 - Documentation
- Consider having a team Compliance Officer, responsible for:
 - Ensuring that all project specifications are addressed and documented
 - Ensuring that all tests are performed and results documented
 - Ensuring that CDR document is complete and compliant with requirements set forth in the Guide
 - Getting clarification on requirements when needed

If I could give just one piece of advice to
facilitate your success...

COMMUNICATE

- Frequently meet with
 - Client
 - Technical Advisor(s)
- Keep management (Dr. Kunz and/or Dr. Wright) informed
- Don't let small problems become large problems

Next Scheduled Meeting
Thursday January 15
Management Reviews

Agenda:

PDR, test plans

Current status

Plan/schedule for what lies ahead