

EE498 – Senior Design II Spring 2018 Syllabus

Instructor

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Class information

Class meets:	MoWe 2:30pm-3:45pm at TBE-B350
Prerequisites:	none
Co-requisites:	EE 497 with a grade of C or better, and final semester senior.
Credits:	2
Course description:	Capstone synthesis course to teach students hardware and software implementation of their projects proposed and paper-designed in EE 497, testing and recommendations, project presentation.
WWW:	EE498 section in WebCampus

Tentative schedule

Topic	Date	End of week #
Determine all major components and fully test major components	1/28/18	2
Submit the detailed timeline for the EE498 semester	1/28/18	2
Demonstrate full schematic entry <ul style="list-style-type: none"> Schematic must be complete Schematic must be complete entered into CAD program with associated part footprints 	2/11/18	4
Submit progress report including schematic, code, work left to be completed, and breakdown of work (who does what)	2/18/18	5
Demonstrate full working, non-PCB prototype	2/25/18	6
Demonstrate PCB Layout	3/18/18	9
PCB sent for fabrication	3/25/18	10
Demonstrate assembled PCB to the instructor	4/8/18	12
Submit the poster for confirmation	4/22/18	14
Submit the poster for print	4/23/18	14
Schedule and do the mockup presentation	4/29/18	15
Submit the final report	5/3/18	
Deliver the MP4 5-minutes movie	5/3/18	
Senior Design Competition:	5/3/18	

Grading

In this class, it is essential that the Senior Design team gets the prototype working. Therefore, if there is no working prototype – then grade F is assigned to the whole group. Not meeting the deadlines will lower the grade.

Assigned items submission rules

All items are accepted only through WebCampus (no hard copy, no email). Each item has the due date and must be submitted before the due date indicated in WebCampus. The submission date is indicated by WebCampus. Student is personally responsible for ensuring that the submission has been successfully completed.

Formatting of the written homeworks:

<i>File format:</i>	PDF
<i>Font:</i>	Times new Roman, 12pp, Normal, Black color
<i>Margins:</i>	top: 1", bottom: 1", left: 1", right: 1"
<i>Line spacing:</i>	single
<i>Columns:</i>	single
<i>Orientation:</i>	portrait
<i>Justification:</i>	justified

The template for Microsoft Word is available on the WebCampus.

Incorrect submission rules:

<i>Incorrect format:</i>	-10% of points
<i>Not using template:</i>	-5% of points
<i>Incorrect file name:</i>	-5% of points
<i>Unreadable content:</i>	-10% of points

Quality / arrangement rules:

- All tables, figures, screenshots must be readable and good quality.
- Scanners are available around the campus, with the function of scanning to PDF with good quality
- Pictures of drawings, solutions etc. are acceptable when they are readable, with no additional objects on the picture
- Photos of the screen are not allowed. Use screenshots instead.
- Photos of the oscilloscope screen are allowed, however digital oscilloscopes have screenshot function.
- The drawing software should be used and this experience should be considered as developing documentation skills.
- Each figure, drawing, table – must have a caption

File naming syntax:

All files sent to WebCampus must meet the following file names syntax: *RebelMailID_assignmentnumber_file-identifier.fileextension*. All letters lowercase. Example for John Smith:

smithj8_01_problem1.cpp

where *smithj* is the example rebelmail id for John Smith, who has the email address *smithj8@unlv.nevada.edu*

Late submission / make up policy

All the late submissions are subject to *Academic Policies of UNLV* and:

- Eligible late submissions may be submitted maximum 3 weeks after the deadline
- Eligible late submissions may be submitted no later than 2 weeks before study week
- Late submissions are subject to late penalty points deduction

Rebelmail

By policy, faculty and staff should e-mail students' Rebelmail accounts only. Rebelmail is UNLV's official e-mail system for students. It is one of the primary ways students receive official university communication such as information about deadlines, major campus events, and announcements. All UNLV students receive a Rebelmail account after they have been admitted to the university. Students' e-mail prefixes are listed on class rosters. The suffix is always @unlv.nevada.edu

Academic Misconduct

Academic integrity is a legitimate concern for every member of the campus community; all share in upholding the fundamental values of honesty, trust, respect, fairness, responsibility and professionalism. By choosing to join the UNLV community, students accept the expectations of the Academic Misconduct Policy and are encouraged when faced with choices to always take the ethical path. Students enrolling in UNLV assume the obligation to conduct themselves in a manner compatible with UNLV's function as an educational institution. An example of academic misconduct is plagiarism. Plagiarism is using the words or ideas of another, from the Internet or any source, without proper citation of the sources. See the Student Academic Misconduct Policy (approved December 9, 2005) located at <http://studentconduct.unlv.edu/misconduct/policy.html>

The contents of this document are to be considered "tentative" and subject to change as the instructor deems necessary. A syllabus should not be construed as a contractual document. It simply outlines the rules and regulations that will be enforced in the class and presents the instructor's expectations to the students. This document might be updated many times during the semester. The latest version is always available on the WebCampus website.