EE498 – Senior Design II
Spring 2020
Syllabus

Instructor

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Class information

Class meets:	MoWe 2:30pm-3:45pm at TBE-B350
Prerequisities:	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	2/2/20	2
Submit the detailed timeline for the EE498 semester	2/2/20	2
Demonstrate full schematic entry • Schematic must be complete • Schematic must be complete entered into CAD program with associated part footprints	2/16/20	4
Submit progress report including schematic, code, work left to be completed, and breakdown of work (who does what)	2/23/20	5
Demonstrate full working, non-PCB prototype	3/1/20	6
Demonstrate PCB Layout	3/22/20	9
PCB sent for fabrication	3/29/20	10
Demonstrate assembled PCB to the instructor	4/27/20	14
Submit the poster for confirmation	4/27/20	14
Submit the poster for print	5/4/20	15
Schedule and do the mockup presentation	5/5/20	15
Submit the final report	5/10/20	16
Deliver the MP4 5-minutes movie	5/15/20	
Senior Design Competition:	**5/8/20**	

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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:

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

The template for Microsoft Word is available on the WebCampus.

Incorrect submission rules:

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

EE498 Syllabus, Spring 2020

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

After class work
ECE Department provides open labs for all ECE students who passed the safety quiz the same semester. Lab TBE-B350 is open every weekday 10:00am-9:00pm and Sunday 4pm-7pm

Plagiarism / Student Collaboration
Lab classes base on the collaboration in 2-person groups. Therefore, the results of the experiments, simulations and other data gathered during the lab session time can be the same for the team members. The rest of the postlab must be individual work of the student. Copying materials from the lab instruction is not allowed. Copying from online sources is not allowed.
Each practice violating the collaboration rules will be reported to Office of Student Conduct under the Student Academic Misconduct Policy.

Rebelmail
Rebelmail is UNLV's official email system for students, and by University policy, instructors and staff should only send emails to students' Rebelmail accounts. Rebelmail is one of the primary ways students receive official University communications, information about deadlines, major Campus events, and announcements. All UNLV students receive a Rebelmail account after they have been admitted to the University. Emailing within WebCampus is also acceptable.

Absences
The attendance is mandatory. The absence in the laboratory session results in 0 points for the lab (including postlab). Lab session can be made-up, with the instructor's / TA's consent (you have to have the permission). The team can't start lab *N+1*, if it hasn't finished and demonstrated lab *N*.

Please follow the *Academic Policies of UNLV:*

Class Attendance Policy: Registration in a class obligates the student to be regular and punctual in class attendance. Students who without previous arrangement with the instructor or department fail to attend the first two class meetings of a course that meets multiple times per week or the first meeting of a class that meets one time per week may be

dropped from the course. Nonattendance for a web-based course shall be defined as failure to log onto WebCampus or other instructor-designed website within one week of the course start date without previous arrangements with the instructor or department. Nonattendance does not release the student from the responsibility to officially drop any course for which they have enrolled and choose not to complete, nor from financial obligation to pay for the course.

Class Absences: There are no official absences from any university class. It is the student's responsibility to consult with the teaching faculty regarding absences from their class. Students may be dropped from classes for nonattendance during the first week of instruction.

Academic Misconduct

Academic integrity is a legitimate concern for every member of the Campus community; we 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 Student Academic Misconduct Policy, and are encouraged to always take the ethical path whenever faced with choices. Students enrolling at UNLV assume the obligation to conduct themselves in a manner compatible with UNLV's educational mission. An example of academic misconduct is plagiarism. Plagiarism is using the words or ideas of another person, from the Internet or any other source without proper citation of the sources. See the Student Conduct Code, https://www.unlv.edu/studentconduct/student-conduct

Auditing Classes

Auditing a course allows a student to continue attending the lectures and/or laboratories and discussion sessions associated with the course, but the student will not earn a grade for any component of the course. Students who audit a course receive the same educational experience as students taking the course for a grade, but will be excused from exams, assessments, and other evaluative measures that serve the primary purpose of assigning a grade.

Classroom Conduct

Students have a responsibility to conduct themselves in class and in the libraries in ways that do not interfere with the rights of other students to learn or of instructors to teach. Use of electronic devices such as pagers, cellular phones, or recording devices, or potentially disruptive devices or activities, are only permitted with the prior explicit consent of the instructor. The instructor may rescind permission at any time during the class. If a student does not comply with established requirements or obstructs the functioning of the class, the instructor may initiate an administrative drop of the student from the course.

Copyright

The University requires all members of the University Community to familiarize themselves with, and to follow copyright and fair use requirements. You are individually and solely responsible for violations of copyright and fair use laws. The University will neither protect nor defend you, nor assume any responsibility for employee or student violations of fair use laws. Violations of copyright laws could subject you to federal and state civil penalties and criminal liability, as well as disciplinary action under University policies. Additional copyright policy information is available at http://www.unlv.edu/provost/copyright

Disability Resource Center (DRC)
The UNLV Disability Resource Center (SSC-A, Room 143, https://www.unlv.edu/drc, 702-895-0866) provides resources for students with disabilities. Students who believe that they may need academic accommodations due to injury, disability, or due to pregnancy should contact the DRC as early as possible in the academic term. A Disabilities Specialist will discuss what options may be available to you. If you are registered with the UNLV Disability Resource Center, bring your Academic Accommodation Plan from the DRC to the instructor during office hours, so that you may work together to develop strategies for implementing the accommodations to meet both your needs and the requirements of the course. Any information you provide is private and will be treated as such. To maintain the confidentiality of your request, please do not approach the instructor in front of others to discuss your accommodation needs.

Final Examinations
The University requires that final exams given at the end of a course occur on the date and at the time specified in the Final Exam schedule. The general schedule is typically available at the start of the semester, and the classroom locations are available approximately one month before the end of the semester. See the Final Exam Schedule, https://www.unlv.edu/registrar/calendars

Identity Verification in Online Courses
All UNLV students must use their Campus-issued ACE ID and password to log in to WebCampus. UNLV students enrolled in online or hybrid courses are expected to read and adhere to the Student Academic Misconduct Policy, https://www.unlv.edu/studentconduct/misconduct/policy, which defines, "acting or attempting to act as a substitute for another, or using or attempting to use a substitute, in any academic evaluation or assignment" as a form of academic misconduct. Intentionally sharing ACE login credentials with another person may be considered an attempt to use a substitute and could result in investigation and sanctions, as outlined in the Student Academic Misconduct Policy.
UNLV students enrolled in online courses are also expected to read and adhere to the Acceptable Use of Computing and Information Technology Resources Policy, https://www.it.unlv.edu/policies/acceptable-use-computing-and-information-technology-resources-policy, which prohibits sharing university accounts with other persons without authorization.

To the greatest extent possible, all graded assignments and assessments in UNLV online courses should be hosted in WebCampus or another UNLV-managed platform that requires ACE login credentials for access.

Incomplete Grades
The grade of "I" (Incomplete) may be granted when a student has satisfactorily completed three-fourths of course work for that semester/session, but cannot complete the last part of the course for reason(s) beyond the student's control and acceptable to the instructor, and the instructor believes that the student can finish the course without repeating it. For undergraduate courses, the incomplete work must be made up before the end of the following regular semester. Graduate students receiving "I" grades in 500-, 600-, or 700-level courses have up to one calendar year to complete the work, at the discretion of the instructor. If course requirements are not completed within the period indicated, a grade of "F" will be recorded, and the student's GPA will be adjusted

accordingly. Students who are fulfilling an Incomplete grade do not register for the course, but make individual arrangements with the instructor who assigned the "I" grade.

Library Resources
Librarians are available to consult with students on research needs, including developing research topics, finding information, and evaluating sources. To make an appointment with a subject expert for this class, please visit the Libraries' Research Consultation website: http://guides.library.unlv.edu/appointments/librarian. You can also ask the library staff questions via chat and text message at: http://ask.library.unlv.edu/

Missed Classwork
Any student missing class, quizzes, examinations, or any other class or laboratory work because of observance of religious holidays will be given an opportunity during that semester to make up the missed work. The make-up opportunity will apply to the religious holiday absence only. It is the responsibility of the student to notify the instructor within the first 14 calendar days of the course for Fall and Spring courses (except for modular courses), or within the first 7 calendar days of the course for Summer and modular courses, of their intention to participate in religious holidays which do not fall on state holidays or periods of class recess. For additional information, please visit the Policy for Missed Work, under Registration Policies, on the Academic Policies webpage, https://catalog.unlv.edu/content.php?catoid=26&navoid=6046
In accordance with the policy approved by the Faculty Senate regarding missed class time and assignments, students who represent UNLV in any official extracurricular activity will also have the opportunity to make up assignments, provided that the student provides official written notification to the instructor no less than one week prior to the missed class(es).
The spirit and intent of the policy for missed classwork is to offer fair and equitable assessment opportunities to all students, including those representing the University in extracurricular activities. Instructors should consider, for example, that in courses which offer a "Drop one" option for the lowest assignment, quiz, or exam, assigning the student a grade of zero for an excused absence for extracurricular activity is both contrary to the intent of the Faculty Senate's policy, and an infringement on the student's right to complete all work for the course.
This policy will not apply in the event that completing the assignment or administering the examination at an alternate time would impose an undue hardship on the instructor or the University that could reasonably have been avoided. There should be a good faith effort by both the instructor and the student to agree to a reasonable resolution. When disagreements regarding this policy arise, decisions can be appealed to the Department Chair/Unit Director, College/School Dean, and/or the Faculty Senate Academic Standards Committee.
For purposes of definition, extracurricular activities may include, but are not limited to: fine arts activities, competitive intercollegiate athletics, science and engineering competitions, liberal arts competitions, academic recruitment activities, and any other event or activity sanctioned by a College/School Dean, and/or by the Executive Vice President and Provost.

Tutoring and Coaching
The Academic Success Center (ASC) provides tutoring, academic success coaching, and other academic assistance for all UNLV undergraduate students. For information regarding tutoring subjects, tutoring times, and other ASC programs and services, please visit the ASC website, https://www.unlv.edu/asc, or call 702-895-3177. The ASC building is located across from the

Student Services Complex (SSC). Academic success coaching is located on the second floor of SSC A, Room 254. Drop-in tutoring is located on the second floor of the Lied Library, and on the second floor of the College of Engineering building (TBE A 207).

UNLV Writing Center
One-on-one or small group assistance with writing is available free of charge to UNLV students at the Writing Center, https://writingcenter.unlv.edu/, located in the Central Desert Complex, Building 3, Room 301 (CDC 3–301). Walk-in consultations are sometimes available, but students with appointments receive priority assistance. Students may make appointments in person or by calling the Center, 702-895-3908. Students are requested to bring to their appointments their Rebel ID Card, a copy of the instructions for their assignment, and two copies of any writing they have completed on their assignment.

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.