

Syllabus – EE 70 / 70L

Introduction to Electronic Circuits / Lab

- Instructor: Cliff Hwang
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- Phone: 408-986-1088 x114 (contact via email preferred)
- Office Hours: 15 minutes before and after class (location to be determined)
- Teaching Assistant: Adam Seger (fnkyfibian@aol.com)
- Readers: Tam Nguyen (tnguyen@ucsc.edu)
Darrell Ross (eukota@pacific.net)
- URL / Home Page: <http://www.soe.ucsc.edu/classes/ee070/Fall03/>
- Section ID: 94608 (Lecture) and 94610 (Lab)
(note: concurrent enrollment in the lab section is required)
- Pre-Requisites: Physics 5C/5N (or 6C/6N) (Electricity / Magnetism)
Math 24 (or 27 or EE 27) (Calculus, Differential Equations)
(Warning: this class covers algebra and calculus concepts heavily)
- Meeting Times: Lecture: T Th 2:00 pm – 3:45 pm Porter Acad, Rm. 148
Lab: Dates/Time to be determined Baskin Engineering 113
Disc. Sections: Dates/Time/Location to be determined
- Grading: Quiz on Pre-Requisites (Tuesday, September 30th) (5%)
Homework (weekly) (15%)
Midterm 1 (Tuesday, October 14th) (25%)
Midterm 2 (Thursday, November 6th) (25%)
Final exam (30%)
(comprehensive, Tuesday, December 9th, 8 am – 11 am)
- (Warning: you must do well on the exams to pass the course. Doing well on homeworks alone is not sufficient)
- Textbook: “Electrical Engineering: Principles and Applications” (2nd edition),
by A. Hambley
(other recommended textbooks can be found on the web page)
- Topics: Selected material from Chapters 1–6, 10–12, and 14.
We will cover 2-3 sections each lecture. See tentative class schedule (on class web page) for more details. (*Note: Topics are not covered in order of appearance in the textbook*)
- Homework Policy: 1. Homeworks assignments will be submitted before class starts
2. No late homeworks accepted
3. Work must be clear, complete, and legible.
(the reader is allowed to take points off for sloppy work on homework *or exams*)
- Lab Sessions: 1. Lab sessions will be run by the TA.
2. Lab reports will be submitted to the TA for grading.
3. Check the web page for the dates and time that each lab will be held.
4. You must pass the lecture portion of the class in order to pass the lab.
5. Each lab will be posted on the web page and should be printed out and brought to the lab session.
6. Lab reports must follow certain guidelines to be acceptable work (see the web page).

Basic Class Rules:

1. Please show up on time.
2. Avoid lengthy discussions or loud talking with your peers during lecture.
3. Please turn off cell phones, pagers, or toys that beep or ring.
4. I do not provide lecture notes. If you miss all or part of a lecture (even if it is an excused absence or illness), get the notes from a classmate. Homework assignments (and solutions) can be found on the class web page.
5. If you choose to drop the class, it is **your** responsibility to take care of the necessary paperwork. If your name remains on the roster at the end of the quarter, you will be given an 'F'.
6. Students who are dropped because of failure to attend class or take exams will not be re-added.
7. Students who want permission codes to add the course must show me proof that the prerequisites have been met. Either an official transcript or a non-official grade report will suffice.

Cheating and Plagiarism Defined:

“During an examination or on any work for which the student will receive a grade or points, unauthorized looking at or procuring information from any unauthorized sources, or any other student’s work”.

“Presenting the work of another as one’s own for a grade or points”.

Campus policies regarding academic integrity will be enforced. If I, the TA, or the reader believe you have cheated or plagiarized, you will receive a failing grade on the assignment in question and may be subject to disciplinary action by the university.

Examples of cheating include:

1. Sharing results or looking at someone else’s results during an exam.
2. Copying answers out of a solutions manual.
3. Copying answers from someone else’s homework in the class
4. Copying answers from a homework assignment assigned last quarter or last year.
5. Showing your homework solutions to someone else in the class before the assignment is due. (note: it’s okay to discuss the problem with your peers...however, do not give or show your homework solution to that person)

Tips for Success:

1. Read the material in your textbook (preferably before class). Do not expect me to cover the textbook material in exhaustive detail.
2. Pre-requisites are enforced in this class. You should already have some background in physics (E&M), calculus, differential equations, and complex number manipulation. We will use these tools heavily and often. Dig up your material from those previous courses if you need to refresh your memory.
3. Refer to the examples and exercises in the textbook if you have problems doing the homework.
4. Check your homework with the solutions after they have been returned to you. Make sure you understand what you did right (or wrong).
5. This class will move at a fairly rapid pace. Results from one week are applied to the following week. Make sure to keep up with the material.
6. Use the resources around you to figure out what you don’t understand. (myself, the TA, or your fellow students)
7. Participate in class and ASK QUESTIONS!
8. Homework only counts 15% towards your final grade. Use the homework to prepare yourself for the exams. You must do well on the exams to pass the course. Make sure you can solve circuits on your own in a fixed amount of time.

** TURN IN THIS PAGE BEFORE YOU LEAVE TODAY **

I have read the EE 70 / 70L syllabus and understand/accept all the conditions stated within it:

Name (print): _____

Signature: _____

EE 70L Lab Day and Time Scheduling:

In the table below, please shade in the times and dates you ***will not*** be able to make it to an EE 70L lab. Legitimate reasons include: work schedule, other classes, etc. However, “I want to sleep in that day”, “I have to wash my hair that night”, etc. are not legitimate reasons. The key here is to be flexible. There are over 60 schedules we have to work with here.

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8-9 am							
9-10 am							
10-11 am							
11-12 noon							
12-1pm							
1-2 pm							
2-3 pm			EE		EE		
3-4 pm			70		70		
4-5 pm							
5-6 pm							
6-7 pm							
7-8 pm							
8-9 pm							