
Instructor
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Teaching assistants
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Prerequisites
Grades of C- or better in Math 20D, 20F and Phys 2B.

Text

Important: there is a custom version of the textbook which will be sold at the UCSD bookstore at a significant discount. It should be in stock in time for the class.

Calendar
The website contains a list of downloadable PDFs with the slides used during the lectures:

Part I
- Introduction (T & R, Chapters 1 & 2)
- Equivalent circuits (T & R, Chapters 2 & 3)
- Systematic circuit analysis (T & R, Chapter 3)
- Active circuits (T & R, Chapter 4)

Part II
- Laplace transform (T & R, Chapter 6 & 9)
- Circuits in the s-domain (T & R, Chapter 6 & 10)
- s-domain circuit analysis and design (T & R, Chapter 10)
- Frequency response and filter design (T & R, Chapter 12 & 14)

It is highly recommended that your reading of the book is one set of slides ahead of what we cover in class.

Exams
The midterm will be on Thursday, November 6, 2014, in class.
The final will be on Friday, December 19, 2014, 11:30am-2:30pm, in the Recreation Gym (Map Building 265).
**Homework**

There will be a set of homework problems per week taken from the main text. The homework will be collected and returned on Thursdays. Homework assignments are due weekly (specific dates for your reference are included in the webpage). 20% deduction for lateness by one day without reason, else 100%.

Homework MUST be stapled and MUST be written legibly and in logical order. You MUST include your name, your ID #, and the assignment.

You are encouraged to ask questions about homework problems in the discussion section. You are encouraged to work in groups on homework problems but each student MUST turn in homework separately.

**Grading policy**

The overall grade will be the **maximum** between

Grade 1: Final exam: 100%
Grade 2: Homework: 20%, Midterm: 30%, Final exam: 50%

Even if you count on getting the overall grade with option 1, you should still turn in all your homework. Past experiences reveal that it is nearly impossible to get a good grade in the final without having first done the homework. Official solutions to the midterms and final exams will be posted online.

**Ted**

Your grades will be available via Ted. Check out [http://ted.ucsd.edu](http://ted.ucsd.edu) for instructions on how to register and log in. Please Ted regularly to make sure your homework is being transcribed correctly.

**Academic honesty**

No form of academic dishonesty will be tolerated. For the definition of academic dishonesty and its (ominous) consequences, refer to the UCSD General Catalogue 2014-2015 at [http://www.ucsd.edu/catalog/](http://www.ucsd.edu/catalog/)

**Room location and hours**

*Lectures* take place at Pepper Canyon Hall (Map Building 780), room 109, Tuesdays and Thursdays, from 12:30pm to 1:50pm.

*Discussion sections* take place at Pepper Canyon Hall (Map Building 780), room 109, Wednesdays, from 10:00am to 10:50am.

**Office hours**

Instructor: Tuesdays, from 3:30pm to 4:30pm, at EBUII, room 305.

Teaching assistants:

- Eric: Mondays, from 3:30pm to 4:30pm, at EBUII, room 305.
- Liane: Wednesdays, from 3:30pm to 4:30pm, at EBUII, room 305.

**Course webpage**


The webpage contains this syllabus and the list of homework due. Please check it periodically for updates and other announcements related to the course.