EE 332: Devices and Circuits II

Lecture 0: Logistics

Prof. Sajjad Moazeni
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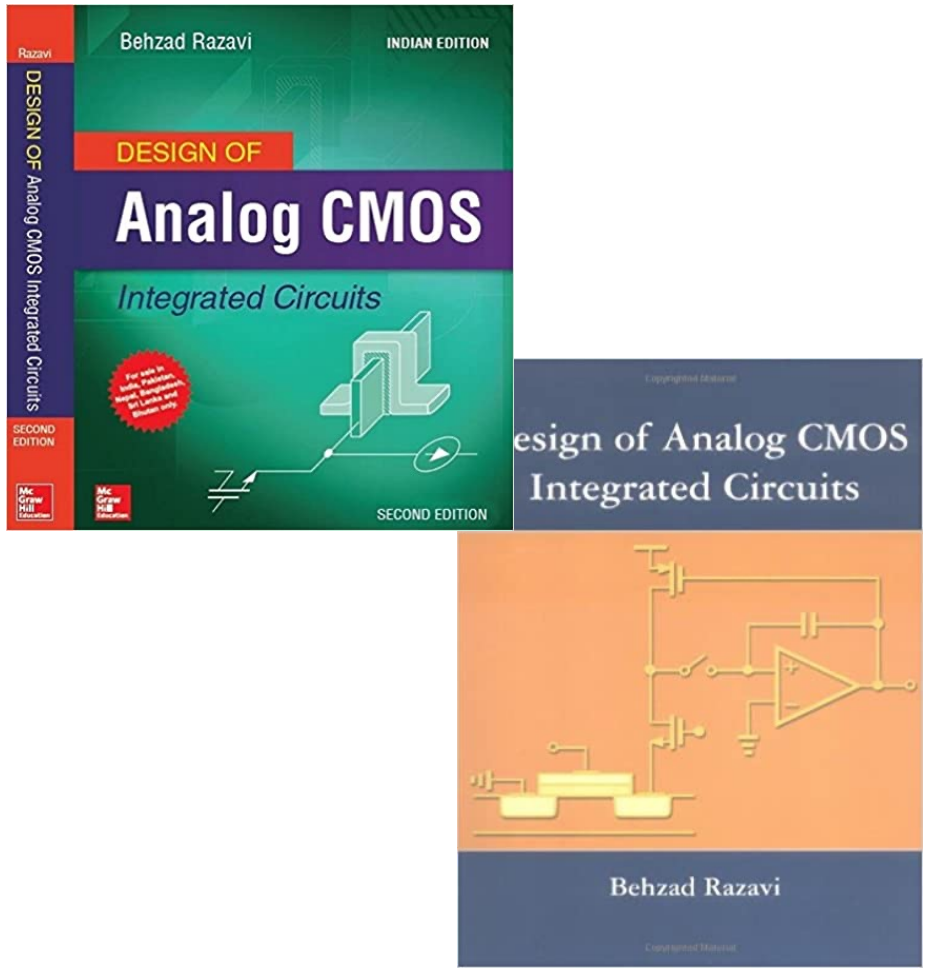
Course Information

- *Instructor*:
  - Prof. Sajjad Moazeni
  - M422 ECE, smoazeni@uw.edu or smoazeni@ece.uw.edu
- *Website*:
  - UW Canvas (https://canvas.uw.edu)
  - Lectures (+annotated), HW, lab, solutions, discussions, Zoom meeting links
- *TA*:
  - Cindy Liu (xindil@uw.edu)
- *Grader*:
  - TBD

Textbook



- Behzad Razavi, *Design of Analog CMOS Integrated Circuits*, 1st or 2nd edition, Mc Graw Hill
  - Excellent book to learn analog electronics
  - Great mixture of intuitive and analytical approaches (really fun to read!)
- Syllabus is based on chapters 1-8
  - Minimum reading: assigned sections from the syllabus
- Best to read the relevant sections before lecture
- Some of homework problems will be from the book

Course Components

- Lectures
  - 2:30 pm -3:20 pm on MTWF (in-person)
- Labs (**hybrid - *online on Zoom or in-person in ECE 351***)
  - Sec AA: Tue: 8:30 am - 11:20 am

- Instructor's Office hours
  - Wed: 4pm-5pm, also by email (ECE M422 or over Zoom)
- TA Discussion/Office Hour
  - Thu: 2:30pm–3:30pm, also by email (Sieg 126 or over Zoom)

Who are your classmates?

- Name
- Which department, concentration & year?
- Why are you taking this class?
- What do you want to learn in this class?

Labs

- You must complete all the labs to pass the course!
- All the lab projects will be on the server using CAD tools!
- ***Hybrid Labs:***
  - ***In-person: Rooms (ECE 351) Or On Zoom (Links on Canvas)***
- ***Students should work in groups of two - Each group should turn in one report***
- 3 hour lab sessions
  - Instructor/TA will be explaining the instructions at the beginning
  - Plenty of time if you do review the lab in advance and get prepared
  - Not enough time if you are trying to figure out what to do on the spot!
  - Need to share your screen and show your progress at the end of each session
- No Prelab, but read the lab instruction before each session
- Check lab report due dates on the syllabus (Late report will be discounted by 50%)

Office Hour Rules

- Both in-person & online
- Send emails for emergency individual appointments (depending on instructor/TA schedule … not guaranteed!)
- In-person office hours
  - My office (ECE M422) up to 2 students at a time
  - Siege 126 (no limit so far!)

Homework

- Weekly HW will be posted on Fridays (9 HWs total)
  - Some problems will be from the textbook
- Due will be the following **Friday at 11:59 pm**
  - Late homework will not be accepted!!!
  - Solutions will be posted on Friday nights
- Be prepared to spend 6-10 hours to complete
  - Reading + Problem solving
- You can discuss homework problems with other students, TA, and instructor.
- The work you submit for grading must be your own!

Grades

- Homework: 25%
  - ~~Lowest score will be dropped from grade calculation~~
- Lab: 20%
  - You must complete all the labs to pass this course!
- Midterm: 15% (from Weeks 1-5 - **Nov. 14 Mon 5-7pm**)
  - Mark your calendars! **any conflicts, let me know ASAP!**
- Class Project: 20%
- Final Exam: 20% (Final exams' week – **Dec. 13 Tue 2:30-4:20pm**)

Cheating will result in automatic Fail!!!

Acknowledgment

Some of the materials used in this course will be from:

- McGraw-Hill & Prof. Behzad Razavi (UCLA)
  - Most of slide materials and circuit-diagrams & equations
- Prof. Chris Rudell, Prof. Visvesh Sathe, Prof. Tai Chen (UW)
- Prof. Ming C. Wu, Prof. Elad Alon (UC Berkeley)
- Prof. Mehrdad Sharif-bakhtiar (Sharif Univ. of Tech, Iran)