

ENGR338 Digital Electronics

Spring 2021

Course and Lab Time/Location: Lectures (MWF 10:10 – 11:05 am) in SFH711.

Labs (T 8 – 11:05 am or 11:15 – 2:20 pm) in SFH 2771

Office Location: SFH 2755B

Contact: yli@fortlewis.edu, 970-247-6574

Office Hours (virtual): MWF, 8 am – 10 am, from 1/29/2021 – 5/7/2021

[Click here to join the meeting](#)

1. Syllabus:

http://yilelectronics.com/Courses/ENGR338_CE/Syllabus_ENGR338_Digital_Electronics.pdf

2. Course website: http://yilelectronics.com/Courses/ENGR338_CE/lectures.html

3. Lab website: http://yilelectronics.com/Courses/ENGR338L_CE/ENGR338_CE_labs.html

4. Textbook:

- 70% CMOS Circuit Design, Layout, and Simulation, Third Edition, R. Jacob, Baker. (required)
- 20% CMOS VLSI Design: A Circuits and Systems Perspective 4th Edition, Neil Weste, David Harris. (Optional)
- 10% Adel Sedra, Kenneth Smith, Microelectronic Circuits, Theory and Applications, 7th edition. (required)

5. Lectures will be in-person. Weekly quizzes will be given in class. Inform me before you will be absent from class.

6. Labs will be in person as well. Same as the lectures, inform me if you cannot make it before the lab.

7. I'll not do live lectures. For whom cannot make it to the class or the lab, watch the videos and complete the assignments in time.
8. Lab reports should be uploaded to your electronics account. I'll send you your account information over this weekend.
9. Homework assignments should be hardcopies. If you cannot come to school to turn it in, take pictures of the hardcopies and send them to my email.
10. ElectricVLSI and LTSpice will be used extensively this semester. Cadence will be not used due to the pandemic.

COVID Policies:

1. You must have a recent negative result to attend classes in person.
2. Do the daily screening is required. Show me at the beginning of each class.
3. Scan the QR code every time you enter the classroom.