EE450 Midterm Exam Information

Date: Friday, March 3

Location: **SGM123**

Time: 4:30~6:40 PM & 7:00 ~ 9:10 PM, for On-Campus Students. DEN will take care of DEN students and will contact you soon for the arrangements. Local DEN students can attend either of the above two sessions in person.

Exam is closed book, closed notes with only one 5"x7" (post card size, both sides, equations ONLY) formula sheet allowed. A calculator with new (fresh) batteries is required! along with a ruler, eraser, and pen/pencil. For my DEN students, please use dark pens so the scan is clear. Remember anything I can't read; I will not grade.

All questions on the Midterm must be addressed to me <u>ONLY</u> (TAs have NOTHING to do with midterm or final).

Exam will cover all material discussed up to and including the lecture on Thursday, February 23 and the discussion session scheduled on Wednesday, March 1. **The lecture material covered on Tuesday, February 28, and Thursday; March 2 will NOT be included in exam**. You are responsible for all lecture notes, discussion session notes, and Textbook readings (Questions from ALL these sources will be in exam. Specifically, 10% of the exam will be on material presented in the discussion session but NOT in lecture). **The exam is challenging and long, so you need to be prepared. There will be NOTHING in the midterm that you haven't seen before, i.e., NO surprises!!)**

Format of Exam:

1. T/F and MC
2. Fill-in Blanks (Short Analytical Problems)
3. Analytical (Throughput, Delay, Bit/Transmission Rates, Bandwidth, Switching, Modulation, Multiplexing, Error Detection and Control and Flow Control)

Material included:

- Class Notes (Up to and including charts on DLC. MAC charts are NOT included)
- Discussion Session Notes (Up to and including March 1)
- Chapter 1: Sections 1.1 ~ 1.5

- Chapter 2: Sections 2.1 through 2.5 and 2.7 (No Programming but there will be questions on Sockets and the Commands that we discussed in class)
- Chapter 3: Pages 214 ~ 232. A note here, as I told you in class, TCP employs the same ARQ protocols we discussed in class like S&W, Go-back-N and SR as the ones used in Layer 2 (Data Link). The difference is that TCP uses them on an end-to-end bases (i.e. between hosts) whereas the DLC uses them on a link-per-link basis. The author describes the protocols from a TCP point of view but they are practically the same.
- Chapter 4: Pages 340 ~ 345 (DHCP)
- Chapter 6: 6.1.1, Section 6.2.3 (FCS is the same as CRC), 6.4.1, 6.7.1, 6.7.2, 6.7.4

Extended Office Hours:

- On Tuesday, Feb 28 and Thursday, March 2, I will extend my office hours by 2 hour so it will be **9:30 ~ 10:30 PM and 1 PM ~ 4:00 PM** just in case you have last minute questions. Same Zoom room. This applies ONLY for the above dates.

- On Saturday, February 25, I will be in my office from **Noon ~ 2:30 PM**. Keep in mind, that the building (PHE) is closed on Weekends so make sure to have my number with you (213-740-9058) so you can call me, and I will open the door for you. Refreshments are welcomed!!!!!

- On Friday, March 3 (The day of exam), I will be in my office from **12:30 PM ~ 3:30 PM** for any last-minute questions.

Good Luck

Stay safe and healthy