ECE 5600- Introduction to Computer Networks

Syllabus - Fall 2016

Instructor: Dr. Rose Qingyang Hu

Office: EL 178

Phone: Office: 435-797-7869, Mobile: 214-205-7968

E-mail Address: rose.hu@usu.edu

Office Hours: T/H 1:00 pm – 2:30 pm

Lecture Time: M/W/F 12:30 pm - 1:20 pm

Lecture Place: EL 109

Textbook: Andrew S. Tanenbaum, Computer Networks, Fifth Edition, Prentice Hall, 5th edition

TA: Haijian Sun, Office: Sant 110, Email: smartbaobao@gmail.com

TA Office Hours: M/W 2:00 pm – 3:00 pm

Course Accessibility: In cooperation with the Disability Resource Center, reasonable accommodation will be provided for qualified students with disabilities. Please meet with the instructor during the first week of class to make arrangements. Alternate format print materials (large print, audio, diskette or Braille) will be available through the Disability Resource Center.

Course Fee: This course requires a fee. This fee money is used primarily to pay for the TA used to grade papers and answer questions from the student. Some of the money may also be used to maintain tools such as Matlab, compilers, etc. which are used in the course.

Homework

- Homework is due at the beginning of the class. • All work containing more than one page must be stapled. • All work must be shown for full grade - be as thorough as possible. • Writing should be legible and literate - if the grader cannot read your handwriting, you will receive no credit for the problem.

Projects

Projects may be done individually or with one partner (having a partner is highly recommended.) All projects are to be implemented on Linux and written in C or C++. You should be comfortable with at least one of these languages (or have a partner who is). The projects will include implementation of various concepts associated with the TCP/IP protocol stack. Students will have access to Linux platforms, but since all students will share the root account, memory sticks are required so students can save and restore their work. The networking lab is in EL 103.

Project report format

- Brief statement of objective of the project. • Brief overview of system model, appropriate block diagrams and parameters. • Screen captures the simulation results. • Discussion of results. All plots and tables included must be discussed in the text. • Conclusions and lessons learned. • A paper report shall be submitted. Electronically submit the codes with a readme file to TA via email. Both should be submitted before the end of the due date.

Late Policy: Late homework or project will be accepted up to 1 week after the due date. Late homework and project will receive a 30% penalty.

Grading Scores will be weighted as follows:

Homework   20%

Projects   40%

Class Participation 5% (including classroom presentation)

Midterm Exam   15%

Final Exam   20%

Total   100%

Grades will be computed according to the following scale:

A > 93% A- > 90% B+ > 87% B   > 84% B- > 80% C+ > 77% C   > 74% C- > 70% D+ > 67% D   > 64% D- > 60% F   <   60%