ECE361: Computer Networks I – Spring 2014

Description: This is a course for third- and fourth-year undergraduate students in Electrical and Computer Engineering. You will learn about both logical and physical designs of computer networks. Main topics include layered architectures, ARQ, flow control, medium access control, LANs, packet switching, routing, TCP/IP, and socket programming.

Instructor:
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Office hours: Mondays 15 – 16

Teaching Assistants:
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Testbook:
Communication Networks: Fundamental Concepts and Key Architectures, A. Leon-Garcia and I. Widjaja, McGraw-Hill, 2nd Ed., 2004

Lectures:
Mondays 14 – 15, BA1180
Wednesdays 14 – 15, BA1180
Thursdays 14 – 15, BA1180

Tutorials:
TUT0101: Mondays 16 – 17, SF 2202
TUT0102: Fridays 16 – 17, GB 304

Labs:
PRA0101: Tuesdays 13 – 18 (alternate week)
PRA0102: Tuesdays 13 – 18 (alternate week)
PRA0103: Mondays 9 – 12 (alternate week)

The lab sessions will take place in GB243 (ECE Unix Lab). All students will work in teams of 2 members. You are free to form teams from the same lab session. There are practice and demo sessions. All lab projects will be marked in the demo sessions. **Important: please find a lab partner *before* the first lab session.** The TAs will use all available tools to check for similarities in lab reports and programming codes between teams. No plagiarism will be tolerated.

Homework Assignments:
Homework will be assigned weekly and will be discussed in the tutorials. They are due **at the end of each tutorial**. They will be marked for your effort only, not correctness. For answers and hints to selected questions, also see http://highered.mcgraw-hill.com/sites/007246352x/student_view0/.

Evaluation:

Homework	5%	Due in tutorials
Term Test #1	15%	Closed book (Type A)
Term Test #2	15%	Closed book (Type A)
Lab #1	5%	Due in lab
Lab #2	5%	Due February 9, 9:00 pm
Lab #3	10%	Due March 30, 9:00 pm
Final Exam	45%	Closed book (Type A)