EEL4598/5718: Computer Communications

Fall 2017

Instructor: Professor Yuguang “Michael” Fang
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Office Hours: 9:30-10:30, TR or by appointment
Class-time: T: 10th Period (5:10-6:00pm), Th: 10-11 periods (5:10-7:05pm)
TA: Mr. Yawei Pang, NEB 444
Classroom: 330 Larsen Hall


Syllabus:

1. Overview of communications networks and services
2. Layering architectures
3. Physical layer fundamentals: data transmission, coding/decoding, and modulation/demodulation
4. Multiplexing and Switching
5. Data link control: error control and ARQ protocols
6. Multiple access control (MAC) protocols
7. Routing algorithms and protocols
8. Transport protocols
9. Congestion controls
10. LAN Technologies

Grading: Grades are based 10% on homeworks, 15% on project, 35% on midterm, 40% on final. Overall average > 90% is guaranteed an A, > 80% is guaranteed a B, etc. Statistical curving will be used for both graduate and undergraduate students separately. No late homework is accepted.

Honor code: All students admitted to the University of Florida have signed a statement of academic honesty committing themselves to be honest in all academic work and understanding that failure to comply with this commitment will result in disciplinary action. This statement is a reminder to uphold your obligation as a student at the University of Florida and to be honest in all work submitted and exams taken in this class and all others.