EEL 6591: Wireless Networks
Spring 2013

Instructor: Professor Yuguang “Michael” Fang
Contact: 435 Engineering Building, (352) 846-3043, fang@ece.ufl.edu

Prerequisites: EEL 5718: Computer Communications.

Topics include:

1. Overview of wireless communication networks and protocols
2. The cellular concept: system design fundamentals
3. Brief introduction to wireless physical layer fundamentals
4. Multiple access control protocols for wireless systems
5. Wireless networking (routing/rerouting, wireless TCP/IP)
6. Mobility management
7. Call admission control and resource allocation
8. Revolution/evolution towards future generation wireless networks
9. Overview of wireless mesh networks, mobile ad hoc networks and wireless sensor networks
10. Wireless security

Grading: Homework-10%, Two exams-70%, and Project-20%. Project: project description is given on the webpage http://www.fang.ece.ufl.edu/eel6591/project.html.

Academic honesty statement: 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.