SPRING 2016: ELEC 5110/6110 – WIRELESS NETWORKS
Tuesday/Thursday 14:00–15:15 Broun 125

Instructor: Dr. Shiwen Mao, 208 Broun, smao@auburn.edu

Office Hours: Tues&Th 10:00 – 11:00 am; email for appointment or drop by at other times.

Prerequisite: Course – ELEC 3400: Communication Systems
By topic – Introductory probability theory, Basic computer network architecture, Basic communication theory


Catalog Data: ELEC 5110/6110. WIRELESS NETWORKS (3) Lec. 3. Pr. ELEC 3400. Introduction to wireless broadband, satellite communication, wireless local area networks, Bluetooth and Home RF standards and Internet protocol and wireless access

Course Objectives:
1. To gain understanding of fundamentals of wireless networks
2. To gain understanding of the issues related designing wireless local area networks
3. To gain understanding of local broad band and Bluetooth networks
4. To gain understanding of emerging wireless networking technologies

Grading Basis:

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<td>Homework &amp; Quiz</td>
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<td>Midterm</td>
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<td>Final</td>
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<td>Term Paper</td>
<td>5%</td>
<td>Presentation &amp; Report: 10%</td>
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Homework: will be assigned periodically. Solutions to the homework problems will be discussed in class. Late homework (after the solution is distributed) will not be accepted.

Quiz Policy: There may be unannounced (pop) quizzes. No “make-up” quizzes will be given for any absences.

Midterm/Final Exam Policy: Tests will be closed book. Only handouts provided by the instructor and one sheet of notes will be allowed. Internet access and information sharing by any means are prohibited during tests. A student requesting a makeup test must obtain a University Excuse and provide suitable documentation of illness or emergency.

Attendance Policy: Class attendance and participation is required. For an absence to be excused, the student must present an official excuse obtained from the Engineering Student Services Office in 104 Ramsay no later than 1 week after the absence. There will be no electronic equipment/device (that includes, cell phones, ipods, earphones, etc) allowed in class, unless a provision is made by the instructor.

Make-Up Policy and Missed Work: There will be no make-up given to anyone who misses any of the assignments including the exams, homework and projects, unless you furnish the instructor with a university approved excuse. If you have a university approved excuse for missing the class, and if you miss a quiz on that day, you will be excused from that assignment.

Special Accommodations: Any student requiring special accommodations should contact the instructor within the first two days of class, with your letter from the Office of Students with Disabilities.
**Academic Honesty:** The Student Academic Honesty Code will be strictly followed throughout this course.

**H1N1 Contingency Plan** If normal class and/or lab activities are disrupted due to a high number of students experiencing illness or an emergency or crisis situation (such as a widespread H1N1 flu outbreak), the syllabus and other course plans and assignments may be modified to allow completion of the course. If this occurs, an addendum to your syllabus and/or course assignments will replace the original materials.

**Course Website:** in Canvas