Modern Wireless Design Concepts – Syllabus

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Term: Spring 2009

There are 16 weeks in spring semester

- 14 lecture weeks
- 1 mid-term exam week
- 1 final exam weeks

Textbook:

David M. Pozar, Microwave and RF Design of Wireless Systems, John Wiley and Sons, 2001

Reference books:


Outline of the course (topics)

1. Introduction to Wireless Systems (Chapter 1) 1 week
2. Transmission Lines and Microwave Networks (Chapter 2) 3 weeks
3. Noise and Distortion in Microwave Systems (Chapter 3) 2 weeks
4. Antennas and Propagation (Chapter 4) 1 week

MIDTERM EXAM 1 week

5. Amplifiers (Chapter 6) 3 weeks
6. Mixers (Chapter 7) 3 weeks
7. Receiver design (Chapter 10) 1 week

FINALS

Credits:

Homework assignments – 30pts
Mid-term exam – 40pts
Final exam – 30pts

Grades:

90-100 is A
80-90 is B
70-80 is C
60-70 is D