

**Rutgers, The State University Of New Jersey**  
**Department of Electrical and Computer Engineering**  
**332:546 Wireless Communications Technology**

**INFORMATION SHEET**

- Instructor: Roy Yates, WINLAB-116, tel: 445-5249, email: ryates@winlab.rutgers.edu
- Texts:
  - *Wireless Communications: Principles and Practice, 2nd ed*, T.S. Rappaport, Prentice-Hall 2002.
- Topics: The course will sample from the following topics in the text:
  - Propagation: Large-scale Path Loss (Text Chap. 4)
  - Propagation: Small-scale Fading and Multipath (Text Chap. 5)
  - Modulation Techniques (Text Chap. 6)
  - Equalization, Diversity, Coding (Text Chap. 7)
  - Multiple Access, Wireless Networks (Text Chaps. 9, 10)
- Classes: Mon, Wed 4:30-5:50 PM, ARC-105
- Web Page: <http://www.winlab.rutgers.edu/~ryates/ece546>
- Office hours: By appointment. Appointments can be made by email or after class.
- Examinations: One midterm, one final, dates TBA
- Policies:
  - Prerequisites: Stochastic Signals and Systems, Communication Theory
  - Enrollment is limited. Whether you can take the course will depend on your grades in the prerequisite courses.
  - Questions regarding examination grades must be presented in writing to the instructor no more than 1 week after the examination is returned.
  - Grading:
    - \* Only absolute performance determines your grade and there will be no curve. You could all get A's or C's or F's depending upon your performance. There are no "most improved" awards or other such things.
    - \* Midterm: 20-25%
    - \* Final: 50%
    - \* Project (Details TBA): 20%
    - \* Lecture Notes: 5-10%
    - \* Problem Sets 0%: Problem sets will be assigned and collected periodically. They will not be graded but will be returned with solutions. You need to work on the problems in order to do well on the exams.