We will examine fundamental aspects of digital communication. Elements of Information Theory, Detection, and Estimation will be emphasized.

- **Hours** M&Th 2nd period (9:50 AM – 11:10AM)
- **Instructor** Roy Yates, Winlab 120, 445-5249 Office Hours: 9:00 – 10:00 Wednesday
- **T.A.** None
- **Prerequisites** *Principles of Communications* (330:322) and *Probability* (330:321). This course will assume the student to be very proficient in the use of probability. Knowledge of linear systems will also be necessary.

- **Examinations**
  - In-class exam 1: Thursday, October 5, 2000
  - In-class exam 2: Monday, November 13
  - Random in-class unannounced short quizzes.
  - Final Exam: Date TBA

- **Examination Policies**
  - For exam \( n \), you may prepare \( n \) sides of \( 8.5 \times 11\) in\(^2\) note paper.
  - Calculators and computers will not be permitted during examinations.
  - Questions regarding examination grades must be presented *in writing* to the instructor no more than 1 week after the examination is returned.

- **Grading**
  - Exam 1: 20%
  - Exam 2: 20%
  - Quizzes: 10%
  - Homework: 10%
  - Final Exam: 40% For students on the borderline between two scores, the results of the final exam will be used in deciding the grade.

- **Homework** Homework will be assigned and collected on a weekly basis. Problem sets will be graded. Only part of each assignment will be graded. Solutions will be issued for each problem set. The importance of *doing* the homework cannot be overemphasized. It will be very difficult to do well in this course without putting effort into doing the homework.