

EE 522 Estimation Theory

Spring 2006 Syllabus

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Course Web Sites: There are two on-line sites that pertain to the course:

- The “EE522” link at <http://www.ws.binghamton.edu/fowler/>
Check this site often since this website will be used to:
 - Convey any important announcements about the course
 - Distribute lectures notes (please download and bring to class)
 - Post HW assignments
 - Etc.
- Blackboard <http://blackboard.cc.binghamton.edu/>
Check this site often since this website will be used to:
 - Convey any important announcements about the course
 - Distribute Additional Reading Materials
 - Post HW Solutions

Office Hours: - After class
 - To be determined – see web site
 - Or by appointment.

Text: *Fundamentals of Statistical Signal Processing: Estimation Theory*, S. Kay

Prerequisites: Background in Digital Signal Processing, probability theory and random signals, and Matrices and Linear Algebra

Quizzes, Exams, & Homework:

- Two Take-Home Midterm Exams
- HW will be assigned roughly every week or so
- Announced Quizzes (10 minute duration) will be given periodically (their purpose will be to ensure that students are keeping up with the main ideas of the course)

Course Grade: Homework & Quizzes = 15%
 Two Exams = 25% Each
 Project = 35%

- HW:**
- Due at beginning of class;
 - You *are* encouraged to **work** (e.g., discuss, get advice from) on HW's with others, but you must do your own write-up. *In other words, you can get help but you can't just get the answer. If your write-up is too similar to others you will be penalized.*
 - Homework will be graded for level-of-effort: meaning you must at least give a reasonable approach to the problem to get credit
- Exams:**
- Take-Home Exam
 - You are *NOT* allowed to interact (e.g., discuss, get advice from) with anyone (in person or online). *In other words, you DO IT YOURSELF!*
- Project:**
- Assigned near the midway point of the semester
 - o A list of suggested topics will be given
 - Will require written report
 - More details later