

EECE 522 Estimation Theory

Spring 2014 Syllabus

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

- The “EECE 522” link at <http://www.ws.binghamton.edu/fowler/>
Check this site often since this website will be used to:
 - Distribute lectures notes (please download and bring to class)
 - Post HW assignments
 - Etc.
- Blackboard <http://blackboard.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
- M & W 2:00 – 3:00
- Or by appointment.

Text: *Fundamentals of Statistical Signal Processing: Estimation Theory*, Steven M. Kay, Prentice-Hall, 1993

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

Quizzes, Exams, & Homework:

- Two Take-Home Exams
- HW will be assigned roughly every week or so

Course Grade: Homework = 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 and not necessarily that you got the correct answer: 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 (& possibly an oral presentation... TBD)
 - More details later