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
  - A list of suggested topics will be given
- Will require written report (& possibly an oral presentation… TBD)
- More details later