EE 522  Estimation Theory
Spring 2010 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 1:00 – 2:30
              - 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: 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