Course: EE 590 B
Title: Analytical Methods for Electrical Engineering
Credit: 4 Units
Time: Lecture is Wednesday, 6:00 – 8:50 PM in EEB 105
Instructor: Professor Eve A. Riskin (EE1 230, 206.685.2313, email: riskin@uw.edu)
Instructor Office Hours: Sunday, 2:30 – 5:00 PM in Sieg 128
Teaching Assistant: Yana Sosnovskaya, EE PhD student (ysos@uw.edu)
TA Office Hours: TBD
Homework: There will be weekly homework due in class (eight over the quarter). There will also be four computer labs due over the quarter.
Course Goal: This course is a review of the analytical methods you learned in your undergraduate studies.

Topics/Approximate time table:
1. September 27: Course introduction, Math review, Introduction to Matlab; Hand out Problem Set 1, Lab 1, and optional Problem Set 0.
2. October 4: Begin continuous-time linear signals and systems. Problem Set 1 due. Hand out Problem Set 2. I am out of town on October 8 so Yana will cover my office hours that day in Sieg 128.
3. October 11: Continuous-time linear signals and systems. Problem Set 2 and Lab 1 due. Hand out Problem Set 3 and Lab 2.
5. October 25 (I am out of town. Professor Josh Smith will lecture this evening.): Fourier Transform. Problem Set 4 and Lab 2 due. Hand out Problem Set 5 and Lab 3.
9. November 22: NO CLASS
11. December 6: Additional topic and course wrapup. Hand out final exam which is take-home and will be due during Finals’ Week.

Grading: Grading is based as follows:
1. Problem sets: 45%
2. Computer labs: 35%
3. Final exam: 20%
Web Page: The EE 590 B Canvas Page is located at
https://canvas.uw.edu/courses/1116488

Email: You can email me with personal issues but questions about the homework and laboratories should be posted on the class bulletin board.

Final Exam: The final exam will be take home. It will be given out on December 6 and will be due during Finals’ Week.