Syllabus for

ELEG 310, Random Signals and Noise

My contact info: Charles Boncelet, Professor, ECE Department. 313 Evans Hall, 302-831-8008 (please reserve calls for emergencies), boncelet@udel.edu.

Office Hours: I will be in my office most Tuesday afternoons, 1:30 - 4:30. Feel free to drop by. Other times, please make an appointment.

Teaching Assistants: Bin Zhu (zhubin@udel.edu) will be available Tuesdays 2-4pm in the Evans Collaborative Suite. Xinjie Lan (lxjbit@udel.edu) will be available Thursday 1-3pm in Evans 153.

My homepage: Boncelet Homepage

Description: ELEG 310 may be referred to as "probability and statistics". Unlike other probability and statistics courses, ELEG 310 is targeted at ECE students.

Computational Aspects: This course may have computational examples and assignments in Python. Students should install the Anaconda distribution of python available at anaconda.org. Download the 3.7 (or later) version of python.

Textbook: "Probability, Statistics, and Random Signals", C. Boncelet, Oxford University Press, 2016.

Grading:

- Regular homework assignments, worth about 20% in total.
- Two midterms and a final, 80%.

Logistics:

- The course LMS is Canvas. Homework will be assigned and collected through Canvas.
- Lectures will be recorded through UDCapture, though this may change.
- We will cover about a chapter per week for Chapters 1-9, then cover selected portions of the remaining chapter.
- While attendance records will not be kept, students are expected to attend lectures unless excused.
- Students may ask for help from other students on homework and computational assignments, but each student must turn in their own assignments. The assignments should represent their own work, not the work of others. Copying the work of others is not permitted.
- Cheating on exams is not permitted.
- Cellphones are not permitted in class.
- Laptops and tablets are not permitted unless approved beforehand.

Date: Revised 13 February 2019.