

## Lecture Note Guideline

January 16, 2015

This is the first time I teach ECE 645 Estimation Theory. Instead of asking you to do the homework, I like to invite everyone of you to contribute to the course by writing lecture notes. I will give you my hand written notes, and your task is to convert the note to a readable PDF using LaTeX. A LaTeX template is available on the course website. My goal is to develop a set of notes so that you and your fellow students can use it for study and research.

### General Rule

My general criteria of grading your note is the readability. If you only copy and paste my hand written note (which is very rough), you will only get a minimum score. You gain more points by adding more features to the note. Here are some suggestions:

1. Add drawings / figures / tables to illustrate the concept.
2. Provide complete proofs of theorems.
3. Add remarks of theorems. Discuss conditions under which the theorem works or fails. Give counter examples.
4. Write examples, which could be found in textbooks.
5. Discuss applications.
6. Write MATLAB demos.

There is no page limit of the lecture notes. However, please minimize the number of pages by writing your note concisely.

### Plagiarism

I am serious about plagiarism. If you need to use a figure / paragraph / example from any source, e.g., textbook, a course from another university, or a paper, please give credits to those sources. If I see any copy and paste without proper acknowledgement, I will fail your overall course grade.

### Dates

1. Please give me your 3 most preferred topics by the end of the first class on Jan 12 (Mon). I will assign you a topic, hopefully according to your preference on or before Jan 14 (Wed).
2. Because teaching is a dynamical process, the exact date of a class may be slightly shifted from the planned schedule. If that happens, your lecture note will be due four weeks after the lecture.