ECE 313: Probability with Engineering Applications. Spring 2002

Class meeting times:
- Section C 10 MWF 169 Everitt Lab
- Section D 11 MWF 245 Everitt Lab

Prerequisite:
ECE 210
A good understanding of the fundamentals of differential and integral calculus, functions of several variables, multiple integrals, etc. is assumed. On the other hand, we will not need stuff like vector calculus, gradients, Green’s theorem etc.

Instructor:
Professor Dilip V. Sarwate 109 Coordinated Science Lab 333-7473
326B Everitt Lab 333-0387
Electronic mail: sarwate@uiuc.edu

Office Hours:
Tuesdays 1:00 pm – 3:00 pm in 109 CSL
At other times, I am usually in my CSL office from 8:30 a.m. to 4:00 p.m. and am usually available to discuss course-related matters without the formality of making an appointment. However, you might save yourself a walk from Everitt Lab to CSL by first sending e-mail or by calling me at 333–7473 to make sure that I will not be busy with other matters when you plan on coming over.

Teaching Assistants:
Jean-Christophe Langer (jjlanger@students.uiuc.edu) and Song Wang (songwang@uiuc.edu)

TA Office Hours:
4 pm to 6 pm, Mondays and Tuesdays in Room 325 Everitt Laboratory

Textbook:

Optional Reading:

Books on reserve in Grainger Engineering Library:

Reference Material: (Ask at the REFERENCE desk, not the Reserve Desk, of Grainger for this book)

Communications: All students who were enrolled in ECE 313 as of January 10 are now subscribers to the ECE 313 automated mailing list, and should have received a welcoming message. Students who registered more recently should subscribe to the mailing list by sending an e-mail message to

    majordomo@cs1.uiuc.edu

with the single line

    subscribe ece313

or

    subscribe ece313 yourname@your_preferred_e-mail_address

in the body (not the subject line) of the message.

The moderated WebBoard at

    http://webboard.cet.uiuc.edu/~ECE313_Sarwate

and the unmoderated newsgroup uiuc.class.ece313 are available for class-related discussions. Please remember that the WebBoard runs on a nonsecure server, and thus it is recommended that you not
use the password associated with your NetID as your WebBoard password. Class information will be posted in both places from time to time. However, news-servers and WebBoards delete postings after a few days, so these items may disappear after a while. Similarly, some information (such as the ECE 313 calendar) will be available to you at your ECE web portal at

http://my.ece.uiuc.edu

A more permanent source of information about ECE 313 is the main home page for ECE 313 at

http://courses.ece.uiuc.edu/ece313/

Please read the ECE 313 FAQ at this site. Links from this page will lead you to this semester’s web page which has detailed information about this semester’s offering — for example, a copy of this information sheet is posted there for the convenience of those who mislay such items. The web page can also be accessed directly at

http://courses.ece.uiuc.edu/ece313/spring02

You can also follow links from the main ECE 313 home page to the home pages for ECE 313 offerings during previous semesters. These old web pages contain a wealth of homework and exam materials that you may find useful in studying for the course during the semester.

E-mail addressed to the instructor or TA (rather than telephone calls) should be used for simple specific questions on classwork or homework, as well as for setting up appointments outside office hours, etc. If the answer to your question might be of general interest to the class as well, post it to the WebBoard also, and it will be answered there. Note that the instructor and TA do not read the newsgroup on a regular basis, but do monitor the WebBoard.

Homework: Homework will be assigned on Wednesdays, and will be due in class on Wednesday of the following week at the beginning of the class period. Homework turned in late, or turned in in a section different from the one you are enrolled in, will not be accepted for academic credit. Solutions to the homework will be distributed in class on Fridays. Problem Sets and Solutions will also be posted to the class home page, usually a day before printed copies are distributed in class. If you prefer to get these documents off the home page, please let me know so that I can adjust the number of print copies accordingly, and save a few trees.

Examinations: Hour Exam I Monday March 4 7:00 p.m. – 8:00 p.m. location announced later
Hour Exam II Monday April 8 7:00 p.m. – 8:00 p.m. location announced later

One 8½” × 11” sheet of notes is permitted (you may use both sides); but the examinations are closed book otherwise. Calculators, laptop computers, tables of integrals, etc. are neither necessary nor permitted.

Final Examination: The date, time and place of the Final Examination will be announced later. Two 8½” × 11” sheets of notes are permitted on the final examination (you may use both sides); but the examination is closed book otherwise. Calculators, laptop computers, tables of integrals, etc. are neither necessary nor permitted.

Grades: Scores on homework and examinations will be weighted as shown below in determining your grade in this course.

15% Homework
20% Each Hour Examination
45% Final Examination

Your lowest homework score will be dropped in computing your average homework score. For more information on the grading scheme, visit the class home page.

You can check your class standing via the Campus Gradebook. Gradebook clients are installed on most CCSO PCs and Macintoshes. Visit

http://www.uiuc.edu/ccso/gradebook

for more information about the Campus Gradebook or to download a Gradebook client application to your personal PC or Macintosh computer. Web browsers capable of secure communication can be used to view Gradebook information (subject to some delay and some loss of functionality.) More information can be found at https://gradebook.cso.uiuc.edu/SWA