

ENGR 361: Statistical Analysis of Engineering Systems (Spring, 2010)

Class locations and times

Instructor	Steven Weber (ECE)
Instructor email	sweber@ece.drexel.edu
Lecture times	Mondays and Wednesdays 3-3:50pm
Lecture room	Curtis Hall 451
Instructor office hour	Mondays 4-5pm (Bossone 211)
Recitation instructor	John M. Walsh (ECE)
Instructor email	jwalsh@ece.drexel.edu
Recitation times	Fridays 10am and 11am
Recitation room	Curtis 455
Teaching Assistants	Vijaya (Rohini) Pendyala and Wendy Chen
TA emails	vp95@drexel.edu (Rohini) and wc73@drexel.edu (Wendy)
TA office hours	Tuesdays 1-3pm (Rohini) and Thursdays 1-3pm (Wendy)
Office hour locations	Bossone 515 (Rohini) and Bossone 333 (Wendy)

Description

Probability, random variables, random samples, point estimation, statistical intervals.

Textbook

Title	Probability and statistics for engineering and the sciences
Author	Jay L. Devore
Publisher	Thomson
ISBN	0495382175
Edition	7th

Course logistics

- Website
 - We will use Drexel's **BB/Vista** course management website for this class extensively.
 - I will mail you important information regarding the class through this system. Please make sure you setup the system to forward BB/Vista emails to an account you check regularly.
 - Lecture notes, homework, solutions, etc. will be posted on the main course page, grouped by week.
 - The gradebook will hold your homework, worksheet, and midterm exam scores.
- Lectures
 - **Partial** lecture notes will be posted on the website **after** the lecture.
 - Website will indicate what sections of the book each lecture covered.
 - **Please** ask questions. If you are confused, then there is a very good chance someone else in the class is confused as well. Without questions I have little insight regarding class comprehension.
 - **Laptops** are not to be used during lecture without prior approval by the instructor. **Cell phones** are to be turned off or put in silent mode.

- Homework
 - HW is due **in class** one week after it is assigned.
 - HW may be handed in late (printed, delivered to the TA) up to one week following the due date for a 50% penalty.
 - The first HW is practice, it **not** graded.
 - We will usually grade **one** of the HW problems for each assignment, and we **may** indicate to you which HW problems are eligible for grading.
- Recitations
 - Recitations will be spent completing graded worksheets in class.
 - Recitation worksheets must be handed in by the end of class.
 - You may work in groups of up to three people, you may also work by yourself if you prefer.
 - The first recitation is practice, it is **not** graded.
 - I will **drop** your worst two worksheet grades. Because of this rule, there are **no makeups** for worksheets. If you miss a worksheet session (even for a legitimate reason), then that counts as one of your drops.
- Midterm exams
 - The second midterm exam only covers material following the first midterm exam.
 - Exams will consist of problems for you to solve that are similar to or extensions of problems assigned during homework or recitation.
 - Exams are closed-book and closed notes. You are allowed to bring in a 3" × 5" index card with notes on the front and back. These index cards will be collected along with your exam.
- Final exam
 - The final exam is mandatory for all students.
 - The final exam is comprehensive, it will cover the entire course, but with an emphasis on the material since the second midterm exam.
 - I **strongly** prefer not to reschedule final exams. If you have a compelling case you should give me as much notice as possible. Rescheduling requests will be reviewed on a case by case basis.
 - Exams are closed-book and closed notes. You are allowed to bring in a 3" × 5" index card with notes on the front and back. These index cards will be collected along with your exam.
- Office hours
 - Office hours are available to you each week on Mondays 4-5pm (Steve), Tuesdays 1-3pm (Rohini), and Thursdays 1-3pm (Wendy).
 - Please come to office hours. Office hours are often a very under-utilized resource.

Grading

Homework	20%
Recitation worksheets	20%
Midterm Exam1	15%
Midterm Exam2	15%
Final Exam	30%

Graduating seniors (only) are exempt from the final exam. Course grade will be computed by assigning a weight of 30% each (instead of 15%) to the two midterm exams.

Your course letter grade will be assigned as follows:

95	100	A
90	94	A-
87	89	B+
83	86	B
80	82	B-
77	79	C+
73	76	C
70	72	C-
65	69	D+
60	64	D
0	59	F

Academic Dishonesty

The Drexel University policy on academic dishonesty will be strictly enforced. Plagiarism, fabrication, and cheating will, at the discretion of the instructor, constitute grounds for failure of the course.

Course calendar

Date	Notes
M 3/29	Lecture1M, HW1 assigned (practice)
W 3/31	Lecture1W
F 4/2	Worksheet1 (practice)
M 4/5	Lecture2M, HW2 assigned
W 4/7	Lecture2W
F 4/9	Worksheet2
M 4/12	Lecture3M, HW2 due, HW3 assigned
W 4/14	Lecture3W
F 4/16	Worksheet3
M 4/19	Lecture4M, HW3 due
W 4/21	Lecture4W
F 4/23	Exam 1
M 4/26	Lecture5M, HW5 assigned
W 4/28	Lecture5W
F 4/30	Worksheet5
M 5/3	Lecture6M, HW5 due, HW6 assigned
W 5/5	Lecture6W
F 5/7	Worksheet6
M 5/10	Lecture7M, HW6 due, HW7 assigned
W 5/12	Lecture7W
F 5/14	Worksheet7
M 5/17	Lecture8M, HW7 due
W 5/19	Lecture8W
F 5/21	Exam 2
M 5/24	Lecture9M, HW9 assigned
W 5/26	Lecture9W
F 5/28	Worksheet9
M 5/31	Memorial Day, no class
W 6/2	Lecture10W, HW9 due, HW10 assigned
F 6/4	Worksheet10
M 6/7	Lecture11M, HW10 due