

## ENGR 361: Statistical Analysis of Engineering Systems (Fall, 2007)

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### Class locations and times

Lecture times	Mondays and Wednesdays 3-3:50pm
Lecture room	Randell Hall 121
Instructor	Steven Weber (ECE)
Office hour	Wednesdays 4-4:50pm (Bossone 211)
Recitation section 001	Fridays 10-10:50am, Bossone 602, de Oliveira (ECE)
Recitation section 002	Fridays 11-11:50am, Bossone 602, de Oliveira (ECE)
Recitation section 004	Fridays 2-2:50pm, AEL 279, Reddy (CE)

### Description

Probability, random variables, random samples, point estimation, statistical intervals, hypothesis testing, analysis of variance, linear regression.

### Textbook

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

### Logistics

There are lectures each Monday and Wednesday. A homework assignment will be posted on the course website each Monday; this homework will address the material covered that week in lecture. The homework will **not** be collected. Each Wednesday there will be a quiz for the first 10 minutes of the class on the material covered in Monday's lecture. These will be collected and graded. Recitations are held each Friday. These will be spent completing an **in-class** homework assignment covering material related to the lectures and assigned homework. You have the option (but no obligation) to work collaboratively in groups of **at most** two on this assignment. These will also be collected and graded. Exams will be comprehensive, closed book, no notes, no cheat sheets, and will consist of variations of worked problems from the homework, quizzes, and recitations.

### Grading

Homework	(assigned each Monday)	0%
Quizzes	(taken in class each Wednesday)	15%
Recitation problem sets	(completed in class each Friday)	35%
Midterm Exam	(comprehensive)	20%
Final Exam	(comprehensive)	30%

Final grades will be assigned on a curve. I will provide a sample grade assignment during the week following the midterm exam (in advance of the withdrawal deadline). This midterm grade is not binding in any way, and is merely meant as an indication of your standing in the class and how I would assign grades if they were due.

### 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	Class topic	Notes
M 9/24	§2.1 & §2.2	Homework #1 Assigned
W 9/26	§2.2	Quiz #1
F 9/28	§2.1 & §2.2	Recitation HW #1
M 10/1	§2.3	Homework #2 Assigned
W 10/3	§2.3 & §2.4	Quiz #2
F 10/5	§2.3 & §2.4	Recitation HW #2
M 10/8		<b>Columbus Day holiday</b>
		Homework #3 Assigned
W 10/10	§2.4 & §2.5	Quiz #3
F 10/12	§2.4 & §2.5	Recitation HW #3
M 10/15	§3.1 & §3.2	Homework #4 Assigned
W 10/17	§3.3	Quiz #4
F 10/19	§3.1-§3.3	Recitation HW #4
M 10/22	§2.1-§2.5, §3.1-§3.3	Review for midterm exam
W 10/24	§2.1-§2.5, §3.1-§3.3	<b>Midterm Exam</b>
F 10/26		<b>Recitation cancelled</b>
M 10/29	§3.3	Homework #6 Assigned
W 10/31	§3.4	Quiz #6
F 11/2	§3.3 & §3.4	Recitation HW #6
		<b>Course withdrawal deadline</b>
M 11/5	§4.1 - §4.3	Homework #7 Assigned
W 11/7	§4.3	Quiz #7
F 11/9	§4.1 - §4.3	Recitation HW #7
M 11/12	§4.6 & §5.3	Homework #8 Assigned
W 11/14	§5.4	Quiz #8
F 11/16	§4.6, §5.3, §5.4	Recitation HW #8
M 11/19	§6.1	
W 11/21		<b>Thanksgiving holiday</b>
F 11/23		<b>Thanksgiving holiday</b>
M 11/26	§6.2	
W 11/28	§7.1	
F 11/30		
M 12/3	§7.1	Homework #11 Assigned
W 12/5		<b>Lecture cancelled</b>
F 12/7		Recitation HW #11
Tu 12/11		<b>Final exam</b>