

SYLLABUS FOR STATISTICS 13 - LECTURE 1
FALL QUARTER 2009

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Office hours: T 16:00-18:00, W 17:00-19:00, F 14:00 - 16:00

Lecture	Day	Class Time	Location
Lecture 1	M	15:00 - 16:20	WGYOUNG CS24
	W	15:00 - 16:20	PAB 1425

Section	Day	Discussion	Location
1A	Tuesday	08:00 - 08:50	MS 5128
1B	Tuesday	09:00 - 09:50	MS 5128
1C	Tuesday	10:00 - 10:50	MS 5128
1D	Tuesday	11:00 - 11:50	MS 5128

Section	Day	Lab	Location
1A	Thursday	08:00 - 08:50	BOELTER 9413
1B	Thursday	09:00 - 09:50	BOELTER 9413
1C	Thursday	10:00 - 10:50	BOELTER 9413
1D	Thursday	11:00 - 11:50	BOELTER 9413

Textbook (optional): Myra L. Samuels, Jeffrey A. Witmer, *Statistics for the Life Sciences*, Third Edition, Prentice Hall, 2003.

Probability and Statistics EBook: <http://wiki.stat.ucla.edu/socr/index.php/EBook>.

Software: R, Statistics Online Computational Resource (SOCR): <http://www.socr.ucla.edu>.

COURSE TOPICS

1. Data analysis.
Chapters 2.
2. Probability
Chapters 3.
3. Random variables.
Chapter 3.
4. Discrete probability distributions.
Chapter 3.
5. Continuous probability distributions.
Chapter 4.
6. Sampling distributions.
Chapter 5.
7. Estimation - Confidence intervals.
Chapter 6.
8. Hypothesis testing.
Chapter 7.
9. Simple linear regression and correlation.
Chapters 12.

COURSE GRADES:

There will be three (3) exams (cumulative) and homework or labs that will be assigned every week. Please staple your homework or labs and write your name and the discussion section on them. Late homework or labs will not be accepted and make-up exams will not be given. Being in class on time and fully participating is important for your understanding of the material and therefore for your success in the course. The tentative dates for the exams are shown below.

The course grade will be based on the calculation

$$Final\ score = 0.10 \times Homework + 0.10 \times Labs + 0.20 \times Exam1 + 0.20 \times Exam2 + 0.40 \times Exam3$$

Important dates:

First day of classes: 24 September.

Last day of classes: 04 December.

Holidays: 11 November (Veterans Day), 26-27 November (Thanksgiving).

Exams:

Exam 1: Week 4.

Exam 2: Week 7.

Exam 3: Week 10.

Good Luck !!!