

Syllabus

- Statistics 350A**      Statistical Methods I
- Course Web Page:**    <http://rohan.sdsu.edu/~jjfan/sta350a>
- Lectures:**            MW 4:00-5:15 pm, P 149
- Instructor:**         Professor Juanjuan Fan  
                         Office: GMCS 519  
                         E-mail: [jjfan@sciences.sdsu.edu](mailto:jjfan@sciences.sdsu.edu)  
                         Office Hours: MW 10:30-11:20 am, GMCS 519
- Required Text:**      An Introduction to Statistical Methods and Data Analysis, 6th Ed.  
                         by RL Ott and M Longnecker

**Homework:** Homework will be assigned on the course web page each week on Monday or Wednesday and will be due one week following the assignment at the beginning of the lecture. You are encouraged to discuss homework problems with other students, but you should write up your solutions independently. You are welcome to ask me if you have questions.

Homework must be handed in by the beginning of lecture on the due date. **No late homework will be accepted.** If you can not be in class when an assignment is due, please be sure to leave it in my departmental mailbox or slide it under my office door by the due time. But please note that homework can not be submitted via email. One homework grade will be dropped - this should be used to cover unforeseen emergencies.

**Exams:** There will be 2 midterm exams and one final exam. The midterms will be held in class on the following dates:

- Wednesday, October 6
- Monday, November 8

The final will be given on

- Monday, December 13, at 3:30-5:30 pm.

The exams will be closed book/notes and will be cumulative. NO makeup exams are given - no exceptions.

**Computing:** The use of Minitab is an integral part of this course. **Computer output required for homework and exams must be properly edited, labeled, and neatly presented.**

Minitab is installed in GMCS 422. As an SDSU student, you can download Minitab for free at <http://www-rohan.sdsu.edu/~download/minitab.html> (you will need your RedID for downloading).

A Minitab introductory session will be held in GMCS 422, date and time to be announced in class. The minitab commands needed for homework assignments will be taught in class.

**Grading:** The grade for the class will be based on the following percentages:

- Homework: 15%
- Two Midterms: 40% (20% each midterm)
- Final: 45%

Note that any regrading request on homework or exams has to be made within one week after the paper is returned.

#### Tentative Schedule

Week	Topic(s)	Reading from Text
1-2	Review: Descriptive statistics and graphical methods Minitab	Chapter 1; 3.3-3.6
3-5	Probability and sampling distribution	Chapter 4
6-7	Inferences about population mean	Chapter 5
8-9	Inferences comparing two population means	Chapter 6
10-11	Inferences comparing more than two population means	Chapter 8
12-13	Categorical data analysis	Chapter 10
14-15	Linear regression	Chapter 11