

Syllabus

- Statistics 350A** Statistical Methods I
- Course Web Page:** <http://rohan.sdsu.edu/~jjfan/sta350a>
- Lectures:** MWF 10:00 - 10:50 am, GMCS 325
- Instructor:** Professor Juanjuan Fan
Office: GMCS 519
E-mail: jjfan@sciences.sdsu.edu
Office Hours: M 2:30-3:30pm, F 11am-12pm, or by appointment
- Required Text:** An Introduction to Statistical Methods and Data Analysis, 5th Ed.
by RL Ott and M Longnecker

Homework: Homework will be assigned on the course web page each Wednesday and will be due the following Wednesday 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 door by the due time. 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:

- Friday, October 8;
- Friday, November 12.

The final will be given on

- Friday, December 17, at 8 - 10 am.

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 and 405. You can also buy or rent your own copy at www.minitab.com

Minitab introductory sessions will be held in GMCS 422/405, dates and times 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: 50% (25% each midterm)
- Final: 35%

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