

**Fall 2005**  
**Statistics 680A: Biostatistical Methods**

**I. General Information**

**Lecture:** MW 2:00-3:15 pm, GMCS 325  
Course web page: [rohan.sdsu.edu/~jjfan/sta680a](http://rohan.sdsu.edu/~jjfan/sta680a)

**Instructor:** Juanjuan Fan  
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Office Hours: MW 3:15-4:15 pm or by appointment

**Textbook:** 1. *Statistical Methods for Rates and Proportions, 3rd Ed.*  
by Fleiss, Levin, and Paik (2003), Wiley  
2. *Data analysis and Graphics Using R*  
by Maindonald and Braun (2003), Cambridge University Press

**References:** *Fundamentals of Clinical Trials, 3rd Ed.*  
by Friedman, Furberg, and DeMets (1998), Springer

**Prerequisites:** Stat 551A

**II. Other Information**

1. Homework assignments and solutions will be posted on the course web page.
2. There will be two in-class mid-term exams on Mondays, October 3 and November 7. The final exam will be on Wednesday, December 21 at 13:00-15:00pm. NO makeup exams are given - no exceptions.
3. You will be asked to do a team class presentation. Topics will be assigned in the first week of November.
4. Your grade in this class will be based on two midterms ( $25\% \times 2 = 50\%$ ), class participation and team presentation (15%), and the final exam (35%).

**III. Tentative Course Content**

The course will cover basic probability concepts, statistical inferences for a single proportion, comparison of proportions from independent and matched samples, cross-sectional studies, prospective and retrospective studies, analysis of fourfold tables, and measure of interrater agreement.