I. General Information

Lecture: TTh 9:30-10:45 am, SSW 2532
Course web page: http://blackboard.sdsu.edu

Instructor: Juanjuan Fan
Office: GMCS 519
E-mail: jjfan@mail.sdsu.edu
Office Hours: TTh 8:30-9:20 am

Textbook: *Statistical Methods for the Analysis of Biomedical Data, 2nd ed.*
by Woolson RF and Clarke WR (2002), Wiley

References:
1. *Stat Labs: Mathematical Statistics Through Applications*
   by Nolan D and Speed TP (2001), Springer
2. *Understanding Bioinformatics*
   by Zvelebil M and Baum J (2007), Garland Science

Prerequisites: Stat 551A and Graduate Student status

Grading:
- Homework: 15%
- Midterm: 30%
- Class participation and team presentation: 15%
- Final exam: 40%

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

Homework and exams:
- Late papers will not be accepted.
- NO early or makeup exams are given - no exceptions.

II. Other Information

1. Homework assignments will be posted on the course web page and will be collected at the beginning of the class on the due date.

2. There will be one in-class mid-term exam on Thursday, October 9.

3. The final exam will be on Thursday, December 11 at 8-10 am.
4. You will be asked to do a team class presentation based on a data analysis project. Details will be provided in mid-late October.

5. Due to concerns of computer viruses, I ask that you hand in all your assignments as a hard copy. No electronic copies will be accepted.

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, measures of interrater agreement, measures of association, and prospective, retrospective, and cross-sectional studies. The use of statistical software R will also be covered as an integral part of the class.