

## Statistics 8051 (Fall 2011) Course Information

- Course Website: <http://www.stat.umn.edu/~lan/stat8051/>
- Instructor:  
  
Dr. Lan Wang, E-mail: [wangx346@umn.edu](mailto:wangx346@umn.edu)  
Office room: 385 Ford Hall, phone: 625-7843  
Office hours: W, F 2:20-3:30pm or by appointments
- Teaching Assistant:  
  
Gang Cheng, E-mail: [chen2285@umn.edu](mailto:chen2285@umn.edu)  
Office room: 350 Ford Hall, phone: 625-8032  
Office hours: TBA
- Class Times:  
  
Lectures: M, W, F 9:05–9:55 am, VinH 206  
Lab: Th 9:05–9:55 am, VinH 213
- Textbook:
  1. S. Weisberg (2005). *Applied Linear Regression*, third edition. New York: Wiley. The website for this book is <http://www.stat.umn.edu/alr>.
  2. J. Faraway (2006). *Extending the Linear Model with R*. Boca Raton: Chapman & Hall. The website for this book is <http://www.maths.bath.ac.uk/~jjf23/ELM>
- Course description: This course is part of the sequence on applied statistical methods for the first-year students in statistics Ph.D. program. we will cover three topics: statistical data analysis using R; linear regression models and generalized linear models.
- Prerequisite: basic linear algebra, basic probability and statistics at level stat4101-4102.
- Homework Assignments:
  - There will be almost weekly written homework assignment. Homework assignments are due at the beginning of class every Monday. Late homework will not be accepted, but one homework with the lowest scores will not be included in the final evaluation.
  - Homework assignments should be well organized and reasonably neat. Homework will be graded by the TA and will be returned in my class next week.
  - Collaboration on homework is encouraged. But each student must write and submit his/her own solutions that reflect his/her own understanding of the problems.
- Exams:
  - There will be two midterm exams (tentatively scheduled on 10/12/11 and 11/16/11) and a final exam (1:30-3:30 pm, 12/22/11).
  - Makeup exams are permitted only for exceptional cases. Verifiable reasons are required for such exceptions. Students who need makeup exams should plan early and let me know at least a week ahead of time. A written notice is required.

- Grades:

- In computing the final grade, each of the two midterms counts 20%, the final exam counts 40%, and all of the homework together (with the lowest score dropped) counts 20%.
- Grade cutoffs will be no higher than 88% for an A-, 77% for a B-, 66% for a C- , and 55% for a D. Cutoffs will be lower if exams are harder than expected. Borderline: participation and improvement count.

- Academic Integrity

Refer to the Office for Student Academic Integrity's web site for more information:  
<http://www.osai.umn.edu/gopher.html>

- Incompletes

Incompletes (I) are granted only when a student is forced to miss several weeks of class due to extraordinary circumstances such as a documented confining illness or family emergency. To receive an incomplete grade, students must obtain approval from the instructor before the last day of class. No incompletes will be given unless you have a prior written agreement with the instructor in the form of a CLA Agreement for the Completion of Incomplete Work.