

**Statistics–Forest–Horticulture 571**  
**Statistical Methods for Bioscience I**  
**Fall 2005**

**Instructor:** Jun Zhu

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**Office Hours:** TBA

**Course Objective:** The goal is to provide research-oriented students in the agricultural, biological, and environmental sciences with a thorough grounding in modern statistical methods. An understanding of the procedures will be stressed along with applications. Mathematical complexities will be kept to a minimum and the analysis of real data will receive considerable attention. The development of the ability to interpret results and to evaluate critically the methods used is of paramount importance.

**Text:** *Course Notes for Statistics/Forestry/Horticulture 571* by Nordheim and Clayton, available at Bob's Copy Shop (across from Union South)

**Discussion Sections:** Attendance is strongly advised. Discussion sections are held for the purposes of: working through practice problems, answering general questions, and returning and discussing graded assignments. Sections will begin meeting the week of September 12.

DIS 311: 1:00–2:15pm Tuesdays, 148 Van Hise  
DIS 312: 8:00–9:15am Thursdays, 144 Van Hise  
DIS 313: 1:00–2:15pm Wednesdays, 1333 Sterling  
DIS 314: 8:00–9:15am Thursdays, 219 Van Hise  
DIS 321: 1:00–2:15pm Tuesdays, 346 Birge  
DIS 322: 2:30–3:45pm Wednesdays, 4185 MSC  
DIS 323: 1:00–2:15pm Wednesdays, 4185 MSC  
DIS 324: 2:30–3:45pm Tuesdays, 225 Ingraham

**Assignments:** There will be weekly homework assignments which will be collected in lecture and returned in discussion section. The importance of the homework assignments cannot be overemphasized. Much of your learning will take place while working the homework problems. Homework assignments should be well organized and reasonably neat. It is required that you show your work in order to receive credit. Homework assignments are due on Friday, in your TA's mailbox, by 4:00 pm. Late homework assignments will be penalized unless extenuating circumstances exist. If possible, prior arrangements should be made in such cases.

**Exams:** There will be two midterm exams and a final exam. The exams will cover lecture materials, readings, and homework material. Exams will be open-book and open-notes. (You will have prior access to exams from previous years.) The midterms will take place on October 11 (Tuesday) and November 22 (Tuesday), during the regularly scheduled class time. The final exam will take place on December 21 (Wednesday) at 7:25pm.

**Grading:** Each midterm will count 20% of the course grade; the homework will count 20% and the final will count 40%.