

Stat 1411, Section 1, 3 credits, Spring 2008

Instructor: Laura Zimmermann

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Office Hours: MTuTh 1-2pm, W 4:15-5:15pm, F 11am-12pm or by appointment

Meeting Times: Monday, Wednesday, Friday 10:00-10:50am in Chem 155

Prerequisites: SP-At least a C- in Math 1005 or math placement; QP-1001, 1002

Text: *Introduction to the Practice of Statistics* by Moore and McCabe, 5th edition.

Course Content: The topics that we will cover are (time permitting) Looking at Data, Looking at Data-Relationships, Producing Data, Probability: The study of Randomness, Sampling Distributions, Introduction to Inference, Inference for Distributions, Inference for Proportions, Analysis of Two-Way Tables, Inference for Regression, Multiple Regression, One-Way Analysis of Variance, Two-Way Analysis of Variance.

Calculators: A calculator may be useful at times. However, any calculator that is capable of symbolic manipulation will not be allowed. This includes the TI-89. See the instructor if you are unsure if your calculator is acceptable. You must show your work (thought process) for all problems, thus answers arrived at by calculator alone will be granted very few, if any, points. The instructor may limit or disallow the use of a calculator on some or all quizzes and exams. Sharing a calculator during a quiz or an exam will be considered cheating and result in an immediate zero.

Communicating Devices: Cellular telephones and other communication devices, including iPods, are prohibited during class. Please inform me of any circumstance that may need special consideration. Having any communicating device out during a quiz or exam will be considered cheating and result in an immediate zero.

Homework: Homework will be posted on my website. It will typically be turned in at the **beginning** of class on alternating Fridays unless otherwise notified. Any homework that is late or turned in to my mailbox will not receive credit. Homework problems and due dates will be posted on the above website. Homework must conform to the "HOMEWORK GUIDELINES". Your solutions must show your thought process, not just the answer. Answers without supporting work will not receive full (if any) credit. Cooperation on assignments is encouraged, but copied assignments will not be tolerated and will receive a score of zero. You may not use any source that has the solutions to the assigned even-numbered exercises. All of the homework problems may not be graded. **Late homework will not be accepted.**

Projects: There will be several projects throughout the semester. They will be discussed further in class and will typically be due on Wednesdays. **No late projects will be accepted.**

Quizzes: Quizzes will be given during class on some Wednesdays and will be announced in class. The quizzes will typically cover the same material as the homework that was turned in the previous week. If you have a documented illness or University excused absence, a quiz may be made up if prior arrangements are made with me.

Participation: Throughout the semester, I will have participation exercises, which may consist of worksheets, group work, games, etc. These will not be announced and cannot be made up for any reason, so attending class on a regular basis is encouraged. You are allowed to miss one participation day without penalty. Extra credit may be given if no participation days are missed.

Exams and Final: There will be three 50 minute exams and one final given during the semester. I will announce the dates at least a week ahead of time in class and post them on my website. The tentative dates are Friday February 22, Friday March 28, and Friday April 25. The comprehensive final will be Tuesday May 13 from 8-9:55am. Makeup exams are only allowed for a documented illness or University excused absence if prior arrangements have been made with the instructor. Unless it is not possible, you must provide notice ahead of time to your instructor for the absence. Arrangements for a makeup should be made as soon as you know you will miss. Do not wait for the next class. You can leave a voicemail or send an email 24 hours a day.

Grading: Written Homework/Projects 20%
Quizzes 10%
Participation 5%
Exams (3) 45%
Comprehensive Final 20%

If you have questions about any of the grading, please arrange to talk with me about it within a week of its return. I will use egradebook to keep track of your scores. There is a link on my website. Please let me know as soon as possible if you find an error. (A zero may mean that the score hasn't been recorded yet. So, wait a day and check again.) Keep all homework, quizzes, and exams as proof of your scores.

Grading Scale:	93-100% A	83-86% B	73-76% C	60-66% D
	90-92% A-	80-82% B-	70-72% C-	Below 60% F
	87-89% B+	77-79% C+	67-69% D+	

Student Academic Integrity Policy: Academic dishonesty tarnishes UMD's reputation and discredits the accomplishments of students. UMD is committed to providing students every possible opportunity to grow in mind and spirit. This pledge can only be redeemed in an environment of trust, honesty, and fairness. As a result, academic dishonesty is regarded as a serious offense by all members of the academic community. In keeping with this ideal, this course will adhere to UMD's Student Academic Integrity Policy, which can be found at <http://www.d.umn.edu/assl/conduct/integrity>. This policy sanctions students engaging in academic dishonesty with penalties up to and including expulsion from the university for repeat offenders.

Student Conduct Code: The instructor will enforce and students are expected to follow the University's Student Conduct Code (<http://www.d.umn.edu/assl/conduct/code>). Appropriate classroom conduct promotes an environment of academic achievement and integrity. Disruptive classroom behavior that substantially or repeatedly interrupts either the instructor's ability to teach, or student learning, is prohibited. Disruptive behavior includes inappropriate use of technology in the classroom. Examples include ringing cell phones, text-messaging, watching videos, playing computer games, emailing, or surfing the Internet on your computer instead of note-taking or other instructor-sanctioned activities.

Liberal Education Statement: This course satisfies Category Two – Math, Logic and Critical Thinking. This course covers statistical ideas involved in gathering, describing, and analyzing observational and experimental data. It also covers experimental design, descriptive statistics, correlation and regression, probabilistic models, sampling, and statistical inference.

Special Needs: Individuals who have a disability, either permanent or temporary, which might affect their performance in this course are encouraged to inform me at the beginning of the semester. Adaptation of methods, materials or testing may be arranged in order to meet your needs.

Tutoring Center: In addition to my office hours, help is usually available M-F at the Tutoring Center in SCC 40. The website is <http://www.d.umn.edu/tutoring>.