

**22S:25/7P:25**                      **ELEMENTARY STATISTICS AND INFERENCE**                      **Spring 2007**

**TIME/LOCATION**            **Evening Class (Sec SCA)** Wednesday, 6:30-9:30 PM, 15 SH

**INSTRUCTOR** **M. Russo** 257 SH, 353-2295, [mrusso@stat.uiowa.edu](mailto:mrusso@stat.uiowa.edu)

**INSTRUCTOR WEBPAGE**    <http://www.stat.uiowa.edu/~mrusso/>

**COURSE WEBPAGE**    <http://www.stat.uiowa.edu/~mrusso/courses.htm>

**OFFICE HOURS**    Tues. 10:00-12:00, Wed. 10:45-11:45, and by appointment  
(Occasionally, hours may be rescheduled to accommodate students who plan to attend -- announcements of changes will be made in class and on the webpage.)

**PREREQUISITE**    22M:001 (Basic Algebra I) or equivalent

**REQUIRED TEXTS**    Statistics by Freedman, Pisani, Purves; W.W. Norton & Co., 3rd ed.  
and worksheets/supplements/notes from the course webpage. Please bring printed copies of the worksheets to class.

**COURSE TOPICS**    graphing techniques for presenting data, descriptive statistics, the normal distribution, correlation, regression and prediction, probability, sampling distribution models, logic of statistical inference, estimation and tests of significance

**LECTURES**    Topics from Chapters 3-28 of the text will be covered. Some additional material will be presented. Notation, theory, problems, and procedures will be explained in detail. Notes should be taken. Bring your text, worksheets, and calculator. (Note: some restrictions concerning calculators will be announced.)

**ATTENDANCE** is required. Attendance will be taken. A missed class is equivalent to a missed week. Absences usually lead to lower scores on quizzes and exams.

**CLASSROOM DECORUM** requires that you do not engage in conversation or read a newspaper during class, and that you do not arrive late or leave early. Such activities are discourteous to the instructor and to your classmates.

**QUIZZES** (approx. 6) lasting about 15 minutes will be given during class. Quiz dates and topics will be announced in class the week before. Quizzes consist of several "show your work" type problems. The lowest quiz score for each student will be dropped.

**HOMEWORK** will be assigned each week. An assignment sheet listing problems from the text will be given on the webpage. Supplemental homework problems will be posted on the webpage. Both the review problems from the text and the supplemental problems will be collected. For some assignments, students will work in groups. Assignments and due dates will be announced and posted. Some of the homework will be graded. **Late homework** will be penalized.

For each problem, **show the necessary work** and clearly indicate your answer. Include enough detail to demonstrate your method for finding the answer. Sketches and graphs are helpful.

All homework should be prepared on 8.5 by 11 inch paper (not torn from a spiral notebook) and should include your name (not your ID#) and section number printed in the top right hand corner. Homework should be neat and stapled in the top left hand corner -- **chapters should be kept separate** from each other. Please use a **dark** pencil (#2) or a black or blue pen.

**EXAMS** will be closed-book & multiple choice (or a combination of "show your work" and multiple choice). Note: calculators that store non-numerical (text) input will **not** be allowed on quizzes and exams - restrictions will be announced. The exams will cover material from the lectures, textbook, and handouts.

**EXAM #1**            Wednesday, February 21, (during class)  
**EXAM #2**            Wednesday, April 4, (during class)  
**CUMULATIVE FINAL EXAM** 4:30-6:30 PM, Thursday, May 10, 2007 room to be announced

(The final exam is as scheduled by the university, during finals week. ISIS and the Registrar's webpage have links to the **final exam** schedule.)

Any **changes** in the exam schedule will be announced in class and on the course webpage.

**MAKE-UPS** on quizzes and exams will not be given except under extraordinary circumstances. If you know that you will miss a quiz or exam, or if something unexpected comes up (emergency, illness, etc.) please let me (instructor) know as soon as possible, **prior** to the exam, and we will discuss your situation. Please be prepared to show documentation of your situation.

**CHEATING** in all forms is taken very seriously. It could result in the assignment of an "F" grade and disciplinary action by the college and/or university.

**GRADING** The course grade will be calculated using the following weights:  
homework + quizzes = 20%, exam #1 = 25%, exam #2 = 25%, final exam = 30%

The final course % is a **weighted** sum of HW, quiz, midterm, and final exam grades:  
**Course %** = (HW fraction)(HW%)+(quiz frac)(quiz%)+(E1 frac)(25%)+(E2 frac)(25%)+(final frac)(30%)

As a rough guide: 90-100% = A- to A+, 80-90% = B- to B+, 67-80% = C- to C+, 55-67% = D- to D+  
Appointments may be made to discuss your standing in the class.

**HELP** is available from a variety of sources: Instructor office hours, review sessions, Statistics Tutorial Lab <http://www.stat.uiowa.edu/courses/tutorial-lab.html>. For qualified students, tutors are available through New Dimensions in Learning, 310 CALH, 335-1288. In addition, some independent tutors are listed at <http://www.stat.uiowa.edu/courses/tutors.html>

**INFORMATION FOR STUDENTS WITH DISABILITIES** I would like to hear from anyone who has a disability which may require seating modifications or testing accommodations or accommodations of other class requirements, so that appropriate arrangements may be made. Please contact me before/after class or during my office hours.

**POLICIES** Course policies are governed by the College of Liberal Arts and Sciences. University policies regarding Student Rights and Responsibilities can be found at [http://www.clas.uiowa.edu/students/academic\\_handbook/](http://www.clas.uiowa.edu/students/academic_handbook/)

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