

MATH 263 SECTION 5
INTRODUCTION TO STATISTICS AND BIostatISTICS

1:00-1:50 MWF, FALL 2011
PSYCH 206

Overview: Statistics is the field of study involving (1) the collection, summarization, and analysis of data; and (2) the drawing of inferences about a population from the examination of a sample of the population. The goals of this course are to introduce each student to the practice of statistics and to prepare each student for future work in statistics.

Instructor: David Love

Office: Mathematics 614

Phone: 621-1837

E-mail: dlove@math.arizona.edu

Section Website: http://math.arizona.edu/~dlove/263_fall11

Course Website: <http://math.arizona.edu/~stats/math263/>

Office Hours: Monday 2:30-3:30 | Tuesday 3-4 (Tutor Room) | Thursday 10:30-11:30

Textbooks: Introduction to the Practice of Statistics, 7th Edition, by David S. Moore & George P. McCabe is required.

WebAssign: Required for Online HW Instructions for WebAssign: To create an account for this class go to <http://webassign.net>, click on the Log-In button, then click on the I Have a Class Key button. Class key information(PLEASE USE THE CORRECT CLASS KEY to enroll into the CORRECT SECTION)

Class Key: arizona 8124 5862

You must do this even if you have used WebAssign in the past or are using it for another course this semester. There is a 14-day grace period (from the first day of classes, ending Monday, September 5) before you must purchase/submit your access code for this class. Each time you log-in, you will see a reminder.

Calculators: Each student is required to have, and to know how to use, a graphing calculator that can do the statistical calculations correlation and linear regression. Some examination questions will require the use of such calculators. No calculator swapping will be permitted during exams. In the classroom, the Texas Instruments TI-84 will be used.

Class Attendance: Attendance is expected and is obviously in a student's best interest. Students are responsible for all information provided in class and on the course web page. Class roll will be taken periodically. Any student who is excused from class for attendance at an officially authorized event must provide a written excuse signed by the Dean of Students no later than one week after the absence. Electronic devices such as cell phones, pagers, watch alarms, etc. must be turned off during class.

Examinations: Three midterm examinations are tentatively scheduled on

Exam 1: Sep. 14th

Exam 2: Oct. 12th

Exam 3: Nov 18th

Final Exam: December 12, 10:30-12:30, in the regular classroom

Unless there are extenuating circumstances, a missed midterm examination or a missed final examination will result in a score of zero for that work. **Makeup tests are given only at the discretion of the instructor.**

If a student earns a higher percentage on the final examination than on one of the midterms, then the student's lowest midterm score will be replaced by the percent scored on the final

examination (Note: You will have to take the midterm exams and earn a score to qualify for this policy).

Homework: Homework in this course is designed to provide feedback to both the instructor and to you about your progress through the course and your understanding of the material. As such, homework will be assigned at least once per week. Some specific comments are listed below.

- (1) Homework should be neat and legible.
 - Turn homework in on standard $8\frac{1}{2} \times 11$ paper. You may use both sides. Engineering paper is also acceptable, but use only one side. You may use graph paper for graphs only. No fringes please.
 - Write your name, class and section number, and textbook section on the top of **every** page. Staple multiple pages in the top-left corner.
 - Solutions should be neat and tidy. I recommend writing successive steps vertically. It is much easier to read and gives room for comments, either your own or from the instructor. Of course, illegible work will receive no credit.
 - Label all graphs, including units if applicable, and make them large enough to read. Failure to do so will result in no credit.
 - Use complete sentences when necessary, e.g., when asked to justify your reasoning or to compare two graphs. Failure to do so will result in no credit.
- (2) Discussing problems with other students (“working together”) is encouraged, but every student must turn in their final work independently. Students submitting identical work may incur a penalty as described in the Code of Academic Conduct.
- (3) Short quizzes, announced or unannounced, may be given at the beginning of class to check student progress on the material. Any quizzes given will be counted in the same way that homeworks are (see below).
- (4) Homework is due **five (5) minutes after the start of class**. I will ask for any homework around this time. It would be easiest to hand your homework in before the start of class. If you are less than five minutes late, hand the homework in immediately upon your arrival.
 - **Late homework** will be accepted and given feedback, but **will be given a grade of 0**. There are no exceptions.
 - Because this is a harsh policy, I will drop a total of five (5) of your lowest homework scores from all homework categories at the end of the semester. Your final homework grade will be computed by averaging the non-dropped scores of your homework and quizzes.

WebAssign: You are allowed 3 attempts to get the correct answer for each question that requires a typed answer. Only one attempt is allowed on multiple-choice and drop-down menu questions.

Questions that require an essay response are given zero points, so they can be skipped.

Section 5 Policies: You should read the section before coming to class. It will help you follow the lecture, and will provide details that may be skipped during the lecture.

If you are dissatisfied with a grade you are welcome to discuss it with me during office hours. Class time will not be used for this purpose. **You must make an appointment and discuss the grade within 7 academic days of receiving the relevant exam/HW/quiz back from me.**

Course Grades: Midterm examinations will be worth 100 points each, and the final examination will be worth 200 points. Excel assignments and written homework/quizzes will be worth 100 points, Online WebAssign assignments will be worth 100 points. At the end of the Semester, grades will be assigned based on the following scale:

Total Points	Grade
630-700	A
560-629	B
490-559	C
420-489	D
0-419	E

All electronic devices, particularly cell phones, must be turned off during all exams. Silence and vibration modes are not allowed. The University's Exam regulations for final exam week will be strictly followed, in particular those regarding students with multiple exams on a single day. Now is the time to find out if you have a problem with multiple exams on a single day.

Dropping The Course: The last day to drop without a signature is Sunday, September 18th and the last day to drop with a grade of "W" (if passing) is Friday, October 14th.

Incomplete Grades: If a student fails to complete the course due to circumstances unforeseen, then he or she may qualify for a grade of I, "incomplete" if **all** of the conditions are met:

- (1) The student has completed all but a small portion of the required work.
- (2) The student has scored at least 50% on all work completed.
- (3) The student has a valid reason for not completing the course on time.
- (4) The student agrees to make up the material in a short period of time.
- (5) The student asks for the incomplete before grades are due - 48 hours after the final exam.

University Policies: Students are expected to be familiar with and abide by the University of Arizona's Code of Academic Integrity, Student Code of Conduct, and Official Student Email Policy. These policies will be strictly enforced, and any student found to be in violation will be appropriately sanctioned.

Students with Disabilities: If you anticipate issues related to the format or requirements of this course, please meet with your instructor to discuss ways to ensure your full participation in the course. If you determine that formal disability-related accommodations are necessary, it is very important that you be registered with Disability Resources (621-3268; drc.arizona.edu). You should notify me of your eligibility for accommodations by Friday, September 2, 2011. You and I can then plan how to coordinate your accommodations.