

## Math 163, Basic Statistics

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.

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**Textbook:** Stats Portal for The Basic Practice of Statistics, 5th Edition, by David S. Moore & George P. McCabe is required. The StatsPortal includes an e-book. A copy of the textbook is recommended, but not required.

**In class sessions, Fridays from 10-10:50am:** Students are expected to attend class on Fridays. Quizzes and exams will be administered at this time. Some topics may be reviewed briefly. The main content of the courses will be provided through the Stats Portal.

**Stats Portal:** Stats Portal is an online portal that includes the textbook as an e-book, problems, quizzes, and several student resources including tutoring, video clips, a discussion component, and case studies. Student will be required to read sections of the textbook and use additional resources as needed. Most homework and quizzes will be done through the Stats Portal. Students are expected to follow the calendar and due dates in Stats Portal along with additional assignments posted on the course website or announced in class.

**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. A TI-83 or TI-84 is recommended. I am not able to provide support for the use of other calculators. Calculator guides for TIs are on the course website.

**Class Attendance on Fridays:** Attendance is expected and is obviously in a student's best interest. Students are responsible for all information provided in class, on the course web page, and in all of the StatsPortal assignments and readings. The student is responsible for any missed material and should get this from another student in the class. 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. Students with 3 or more unexcused absences may be dropped from the course.

**Dropping The Course:** The last day to drop without a signature is Friday, September 17 and the last day to drop with a grade of "W" (if passing) is Friday, October 15. Signature or support for withdrawals after October 15 is at the discretion of the instructor, but the final decision is made by the Dean.

**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. You are encouraged to work in groups, but need to submit unique and individual work.

**Homework/Quizzes/Excel:** There are 4 types of graded assignments besides exams:

- 1) Homework and assignments through Stats Portal
- 2) Textbook or written assignments turned in on Fridays
- 3) Quizzes in class and through StatsPortal
- 4) Excel assignments

The point for these assignments will vary. At the end of the semester, the total number of overall points will be used to determine a student's overall percentage in this category, which will then be added to the total points for the grade.

Late assignments will not be accepted for any reason. Textbook and Excel assignments will be due within the first five minutes of class. Stats Portal assignments are due at the time stated in the system. If you miss class for any reason and written homework is due, you need to submit it before class begins or it will not be accepted. If you are missing class, assignments can be submitted to the Math Department room 108, or a scan can be emailed to me. One or more of each type of assignment may be dropped. There are no make-up assignments or quizzes.

**Quizzes** will be given in class periodically and will be unannounced. No make-up quizzes will be given.

**Excel assignments** will be posted on the course website. A PC is recommended over a MAC. I am not able to support the use of a MAC. Excel assignments must be submitted in the following manner, or student will lose points on the assignment:

- 1) Submit Excel assignment on a printed and professional word document. Do not write on the final document to be submitted.
- 2) Students must show work when appropriate, particularly if any calculation has been done.
- 3) Students must use complete sentences to answer questions, label and number questions accordingly.
- 4) When graphing, student must label graphs appropriately, and provide a corresponding table for any graphs submitted.

**Turned in assignments (not submitted in StatsPortal) including quizzes must be submitted in the following manner or points will be deducted:**

- Written textbook problems, quizzes, and exams must be done in pencil.
- Work must be neat and legible.
- Problems must be in order and all problems must be attempted or completed.
- If there are multiple pages, they must be stapled together.
- No credit will be given unless all work is shown.
- The homework and quizzes should be folded lengthwise (long way) and your name must be in the first page as well as on the outside of the folded page in the top right hand corner. This will be demonstrated in class.
- For textbook assignments and quizzes, **final answer must be written in a complete and meaningful sentence** that demonstrates that the student understands the problem and solution.

**Examinations:** Three midterm examinations will be given during the weeks indicated in the Course Schedule. Tentative exam dates are **September 16, October 14, and November 18. The final examination will be given on Wednesday, December 14 from 10:30 am to 12:30 pm in our regular classroom. If you have a class that is MW at 10:00 am, your exam is also scheduled at this time.** Please notify me at least two weeks prior to the final exam about a potential conflict. **Bring your CatCard or other picture ID to all exams.**

Unless there are extenuating circumstances, a missed midterm examination or a missed final examination will result in a score of zero for that work. The instructor must be notified prior to the exam for a make-up to be considered, and the student must have a documented excuse. Any make-up exam is at the discretion of the instructor and the portion of the final exam that covers the missed exam material may be used in place of a make-up. University policy will be followed regarding final exams. An early final will not be given unless there is a University of Arizona excused absence or conflict.

Students are expected to remain in class during the entire examination period until the exam has been completed. Examinations are to be done in pencil.

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 if all of the midterm exams were taken. This will not replace a missed unexcused exam.

**Course Grades:** Midterm examinations will be worth 100 points each, and the final examination will be worth 200 points. Quizzes, homework, Excel assignments, and other assignments will have a combined total of 150 points. Do not expect a curve or extra credit. There are a total of 650 points. At the end of the Semester, grades will be assigned based on the following scale: **90%- A, 80%- B, 70%- C, 60%- D, Below 60%- E**

**Incomplete Grades:** If a student fails to complete the course due to unforeseen circumstances, 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.

**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 register with Disability Resources (621-3268; [drc.arizona.edu](http://drc.arizona.edu)). You should notify your instructor of your eligibility for accommodations by Friday, September 5, 2011. You and your instructor can then plan how to coordinate your accommodations.

**Other:** Do not leave early and arrive on time.

**Electronic devices such as cell phones, pagers, watch alarms, etc. must be turned off and out of view during class.**