
MthSc 400: Probability Theory
SUMMER SESSION I, 2011
Martin Hall E-005, MTWRF 1:15–2:45

Instructor Matthew Macauley (macaule@clemsun.edu)
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OFFICE HOURS: MWF 3:00–4:00, and by appointment

Textbook *A First Course in Probability*, by Sheldon Ross.

Prerequisites MthSc 206 (vector calculus).

- Policies**
- Attendance: Class attendance is expected. If you miss a class for some reason, it is your responsibility to get notes, etc. from someone in class. I will not repeat lectures during my office hours.
 - If you get an A or B on the final exam, then your final grade in the course will be AT LEAST the grade you earned on the final exam, as long as you (*i*) attend class very regularly, AND (*ii*) maintain a passing grade on the homework.
 - If you want to know your grade at any point during the semester, consult the grading rubric below.
 - All drop/add procedures are your responsibility.
 - Absent Professor Policy: If the instructor has not arrived within 15 minutes of the scheduled class time, you may assume that class has been canceled.
 - All use of cell phones, laptops, and PDAs is prohibited during lecture. Calculators, cell phones, laptops, and PDAs will not allowed during exams.
 - Cell phone policy: http://www.youtube.com/watch?v=FYwpxU_G4Z0
 - I will *not* post homework solutions. However, I will gladly help you with any of the problems during office hours.

Learning Outcomes Probability is the mathematical model of random phenomena. We will cover parts of the first eight chapters of the textbook. Like most subjects of value, it is not easy and requires considerable work. Fortunately, it is generally true and it is certainly true in this case that the more you give to the course, the more valuable it will be to you in the long run.

Grading The final grade will be calculated as follows:

HOMEWORK:	25%
MIDTERM 1:	25%
MIDTERM 2:	25%
FINAL EXAM:	50%

I will drop either your lowest midterm, or half the weight of your final exam. There will be no make-up exams.

GRADING SCALE: $A \geq 90\% > B \geq 80\% > C \geq 70\% > D \geq 60\% > F$

Homework Homework assignments will accumulate from lecture to lecture and will be due several times a week. I will post the assignments on my website. Students can collaborate on their homework problems, but they *must* write up and submit their homeworks separately. Late homeworks will **not** be accepted, but anyone typesetting their homework using L^AT_EX will get an extra 24 hours to complete it (okay to hand-draw pictures, though). You should keep all the graded homeworks in case of missing grades due to missing name or typo errors.

Key Dates

May 18 (Wed)	Classes begin; late enrollment fee applies
May 19 (Thu)	Last day to register or add a class
May 23 (Mon)	Last day to drop a class or withdraw from the University without a W grade
June 8 (Wed)	Last day to drop a class or withdraw from the University without final grades
June 21 (Tue)	Study day
June 23 (Thu)	Final Exam: 11:30–2:00.

The official statement on Academic Integrity

As members of the Clemson University community, we have inherited Thomas Green Clemson's vision of this institution as a *high seminary of learning*. Fundamental to this vision is a mutual commitment to truthfulness, honor, and responsibility, without which we cannot earn the trust and respect of others. Furthermore, we recognize that academic dishonesty detracts from the value of a Clemson degree. Therefore, we shall not tolerate lying, cheating, or stealing in any form.

When in the opinion of a faculty member, there is evidence that a student has committed an act of academic dishonesty, the faculty member shall make a formal written charge of academic dishonesty including a description of the misconduct, to the Dean of the Graduate School. At the same time, the faculty member may, but is not required to, inform each involved student privately of the nature of the alleged charge.
