Course Goals: To learn the basic concepts and techniques of probability, statistical inference and modeling.


Course web page: [http://amath.colorado.edu/content/appm-45705570-statistical-methods-fall-2015](http://amath.colorado.edu/content/appm-45705570-statistical-methods-fall-2015) You will find useful information on the course web page, such as homework assignments and solutions, information about exams, and where to go if you are having trouble with course material (such as office hours and tutoring options).

Grade determination: Your grade in this course will be determined by 6 homework assignments (40%), two midterm exams (15% each), and a cumulative final exam (20 %). Participation will count for 10%. The traditional grading scale will be used for 4570 students: A- > 90%; B- > 80%; C- > 70%; D- > 60%. For 5570 students, grading standards will be higher than for 4570: A- > 93%; B- > 83%; C- > 74%; D- > 65%. Any adjustments to these scales will be made in favor of the student.

Homework: The homeworks will be due at the beginning of class on certain Fridays that are listed on the calendar. Late or emailed homework will not be accepted or graded, except in extraordinary circumstances. The homeworks are lengthy (and are therefore a large percentage of your grade), so be sure to start them early and come to office hours with any questions.

Exams: There will be two midterm exams and a comprehensive final. For the exams and the final, you are allowed to bring in one standard 8.5" × 11" sheet (one-sided) of notes. The final exam is Sunday, December 13, 2015, from 4:30-7:00. There will be no make-up exams or early exams. Each exam (including the final) will include an in-class portion and a take-home portion. If you are sick during an exam, you must bring a note from your doctor or the Wardenburg Health Center verifying your illness. Your course grade will then be determined by the rest of your course work. If you have any unavoidable schedule conflicts with the exams, including three or more final exams on the same day, you must bring this to the attention of your professor by at least 2 weeks prior to the exams.

Participation: This class is designed to be interactive. You participation grade will be determined based on 1) class attendance, 2) participation during class, 3) attendance at office hours.

Expectations: As an upper-level course, this class is designed to challenge you. Be prepared to come to class regularly, go to office hours, and be resourceful. I will attempt to cover as much as possible in class to prepare you for the homeworks and tests, but be ready to ask lots of questions and investigate problems thoroughly on your own.

Dropping the course: Getting advice from the Dean’s office is recommended before dropping any course. After Oct 30, 2015, dropping the course is possible only with a petition approved by the Dean’s office.

Academic Honesty: As educators, we strive to give students the best education possible and to justly and fairly evaluate how a student’s work reflects their command of the material. Accordingly, we expect students to uphold the highest standards of academic integrity. Violations of the CU Student Honor Code [http://www.colorado.edu/academics/honorcode](http://www.colorado.edu/academics/honorcode) or the College of Engineering’s Academic Honesty Advising Guidelines [http://www.colorado.edu/engineering/ar_ugradadvising.html](http://www.colorado.edu/engineering/ar_ugradadvising.html) will result in an overall grade of F in this course and further sanctions from the university. Or, to put it more concretely, we encourage you to work in groups, but all work turned in must be your own.