

Lectures: MWF 12:00–12:50 PM, ECCR 105
Professor: Vanja Dukic, ECOT 322, 735-0919
Vanja.Dukic@colorado.edu
Office Hours: MW 1-2:30 PM

Course Assistant
TBA, TBA
TBA
Office Hours: TBA

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

Text: *Probability and Statistics*, by Devore (8th edition). Other editions are also acceptable.

Course web page: <http://amath.colorado.edu/faculty/vdukic/4570/> You will find useful information on the course web page, such as homework assignments and solutions, practice exams, and where to go if you are having trouble with course material (such as office hours and tutoring options).

Grade determination: There are a total of 100 points for the course. The points are distributed over 6 homework assignments (5 points each for a total of 30 points), two midterm exams (15 points each), and a cumulative final exam (30 points). In class participation (eg. during Friday practice sessions) will count for 10 points. The traditional grading scale will be used for 4570 students: $A- > 90\%$; $B- > 80\%$; $C- > 70\%$; $D- > 60\%$. Any adjustments to this scale will be made in favor of the student. For 5570 students, grading standards will be higher than for 4570: $A- > 93\%$; $B- > 83\%$; $C- > 74\%$; $D- > 65\%$.

Homework: The homeworks will be due on Fridays, every other week. Late homework will **not** be accepted or graded, except in extraordinary circumstances. In some homeworks, some of your analyses will be best done on a computer, using a software package (such as R, Mathematica, Matlab, or Stata – even a spreadsheet application will do in some cases); in those cases, turn in a write-up of your results, along with the computer output and the code (commands) you used. You can collaborate with your classmates on the programming part, but you must write up the results independently of each other.

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 Sat, May 4, from 7:30–10:00 PM. There will be **no** make-up exams or early exams. 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.

Dropping the course: Getting advice from the Dean's office is recommended before dropping any course. After Mar. 22, dropping the course is possible only with a petition approved by the Dean's office.

Extra help: You are encouraged to get extra help whenever you need it. The assistant and instructor will each have office hours, which are posted on the webpage. Also, the CU Residence Halls run regular Math Labs and tutoring is available through the dorms or the Engineering Peer Advocates. Finally, evening tutoring help is available through the online tutoring program:
<https://www.cusys.edu/academicaffairs/onlinetutoring/>

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.

All students of the University of Colorado at Boulder are responsible for knowing and adhering to the academic integrity policy of this institution. Violations of this policy may include: cheating, plagiarism, aid of academic dishonesty, fabrication, lying, bribery, and threatening behavior. All incidents of academic misconduct shall be reported to the Honor Code Council (honor@colorado.edu; 303-735-2273). Other information on the Honor Code can be found at <http://www.colorado.edu/policies/honor.html>, at <http://honorcode.colorado.edu> and at the College of Engineering's Academic Honesty Advising Guidelines http://www.colorado.edu/engineering/ar_ugradadvising.html. Students who are found to be in violation of the academic integrity policy will be subject to both academic sanctions from the faculty member and non-academic sanctions (including but not limited to university probation, suspension, or expulsion). While we encourage you to work in groups, **all work turned in must be your own.**

Disability Services: If you qualify for accommodations because of a disability, please submit to your professor a letter from Disability Services in a timely manner (for exam accommodations provide your letter at least

one week prior to the first exam) so that your needs can be addressed. Disability Services determines accommodations based on documented disabilities. Contact Disability Services at 303-492-8671 or by e-mail at dsinfo@colorado.edu.

If you have a temporary medical condition or injury, see Temporary Injuries under Quick Links at Disability Services website (<http://www.colorado.edu/StudentAffairs/disabilityservices>) and discuss your needs with your professor.

Religious Observances: Campus policy regarding religious observances requires that faculty make every effort to deal reasonably and fairly with all students who, because of religious obligations, have conflicts with scheduled exams, assignments or required attendance. In this class, insert your procedures here See full details at http://www.colorado.edu/policies/fac_relig.html.

Classroom Behavior: Students and faculty each have responsibility for maintaining an appropriate learning environment. Those who fail to adhere to such behavioral standards may be subject to discipline. Professional courtesy and sensitivity are especially important with respect to individuals and topics dealing with differences of race, color, culture, religion, creed, politics, veteran status, sexual orientation, gender, gender identity and gender expression, age, disability, and nationalities. Class rosters are provided to the instructor with the student legal names. I will gladly honor your request to address you by an alternate name or gender pronoun. Please advise me of this preference early in the semester so that I may make appropriate changes to my records. See policies at <http://www.colorado.edu/policies/classbehavior.html> and at http://www.colorado.edu/studentaffairs/judicialaffairs/code.html#student_code.

Discrimination and Harassment: Students and faculty each have responsibility for maintaining an appropriate learning environment. Those who fail to adhere to such behavioral standards may be subject to discipline. Professional courtesy and sensitivity are especially important with respect to individuals and topics dealing with differences of race, color, culture, religion, creed, politics, veteran status, sexual orientation, gender, gender identity and gender expression, age, disability, and nationalities. Class rosters are provided to the instructor with the student legal names. I will gladly honor your request to address you by an alternate name or gender pronoun. Please advise me of this preference early in the semester so that I may make appropriate changes to my records. See policies at <http://www.colorado.edu/policies/classbehavior.html> and at http://www.colorado.edu/studentaffairs/judicialaffairs/code.html#student_code.