

IEOR 172: Probability and Risk Analysis for Engineers – Course Syllabus

ADMINISTRATIVE INFORMATION

Instructor: Rhonda Righter **e-mail:** RRighter@IEOR.Berkeley.edu
Cell Phone: (510) 684-3767 (Use this instead of bcourses to email me)
Office Hours: Tu/Th 3:30 and by appointment. **Office:** 4187 Etcheverry

GSI: Junyu Cao **e-mail:** jycao@berkeley.edu
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Reader: Smita Jain **e-mail:** smita.jain@berkeley.edu
Cell Phone: (224) 698-0595
Office Hours: M 2-4pm, and by appointment **Office:** 1173 Etcheverry

Course Web Page: <https://bcourses.berkeley.edu/> help: <http://guides.instructure.com>

Text: *A First Course in Probability* 8th Ed, 2009 S.M. Ross
Earlier or later editions ok, but you're responsible for doing the right homework problems.
Reference: Grinstead and Snell, *Introduction to Probability* <https://math.dartmouth.edu/~prob/prob/prob.pdf>

Prerequisites: Mathematics 1A-1B or 16A-16B
No credit will be given for this class if you have taken STAT 134.

Class Time and Room: TuTh 2-330 Davis 534
Discussions: F 2-3 PM, 3109 Etcheverry or F 3-4 PM, 3109 Etcheverry

UC Berkeley Honor Code:

As a member of the UC Berkeley community, I act with honesty, integrity, and respect for others.

In fairness to students who put in an honest effort, cheaters will be harshly treated. Any evidence of cheating on an exam will result in a score of zero (0) on that exam. Cheating on the final exam results in an "F" for the course. Cheating includes but is not limited to bringing extra notes or electronic materials into an exam, copying off another person's exam, allowing someone to copy off of your exam, and having someone take an exam for you. Incidents of cheating will be reported to Student Judicial Affairs, which may administer additional punishment.

GRADING

Problem Sets	15 points
Midterms	30 points each (tentatively)
Final exam	50 points (tentatively)
Class participation	5 points

PROBLEM SETS

Problem sets will generally be due at the start of class on Thursday. Some of the problems are quite challenging. I encourage you to work together on problem sets in groups of three to four people, but everyone should turn in individual papers, and list on your paper who you worked with. Since doing problems is the best way to prepare for exams, be sure that you clearly understand any parts that you may have gotten help with. **LATE PROBLEM SETS WILL NOT BE ACCEPTED.** The lowest problem set grade will be dropped.

