

## Introduction to Probability    Fall 2005

Time and Location:            MWF 8:00 – 8:50, JH209  
Course web address:        [http://www.mines.edu/academic/courses/math\\_cs/mac434/](http://www.mines.edu/academic/courses/math_cs/mac434/)  
Instructor:                    Reinhard Furrer, [rfurrer@mines.edu](mailto:rfurrer@mines.edu)  
Office and Phone:            CH215A, 303 384 2462  
Office Hours:                M: 11 – 12, W: 10 – 11, F: 9 – 10 or by appointment  
Textbook:                     A first course in probability, 7<sup>th</sup> ed., Sheldon Ross, Prentice Hall

This course covers combinatorial analysis, axioms and concepts of probability, discrete and continuous random variables, moments of random variables and limit theorems. Time permitting additional selected topics are covered.

Assessment:  
Two midterm exams:            25% each (09-28-05 and 11-09-05)  
Final exam:                     35%  
Homework and instructor's discretion: 15%  
Regular work at home and participation in class are strongly suggested.

Important dates are given in the academic calendar.

Grades will be assigned on the standard scale based on overall percentage (100% – 90%: A, 89% – 80%: B, etc.) or on an adjusted scale in favor of the students.

In general, homework is due on Monday in class. Only a subset of the problems will be graded. No late work is accepted.

Always turn in something rather than nothing. Nothing earns you zero points. Something earns you partial points.

Please be aware that nothing can be done to change a grade once it is earned. There is no remedial extra credit or any change that can be made on an individual basis.

This syllabus is not a legal document; common sense rules always apply. If this syllabus changes you will be notified (in class and on the web).

Please read the Academic Integrity Pledge:

I pledge to uphold the high standards of academic ethics and integrity expressed by the Colorado School of Mines Student Honor Code by which I am bound. In particular, "I will not misrepresent the work of others as my own, nor will I give or receive unauthorized assistance in the performance of academic coursework." I understand that my instructor will report any infraction of academic integrity to the Department Head and that any such matter will be investigated and prosecuted fully.

([http://www.mines.edu/stu\\_life/organ/ascsm/docs/honorcodev2.pdf](http://www.mines.edu/stu_life/organ/ascsm/docs/honorcodev2.pdf))