

Introduction to Mathematical Statistics Spring 2006

Time and Location: MWF 10:00–10:50, Hall of Justice 213
Course web page http://www.mines.edu/academic/courses/math_cs/mac435/
Instructor: Reinhard Furrer, rfurrer@mines.edu
Office: CH 215A, (303) 384 2462
Office Hours: M 15:00–16:00, WF 14:00–15:00, or by appointment
Textbook: J. Rice, *Mathematical Statistics and Data Analysis*, 2nd ed., Duxbury Press, 1995

Scope:

This course covers summarizing data, distributions derived from the normal distribution, estimation of parameters, testing hypotheses and least squares.

The course features theoretical concepts and practical processes but also promotes technical ability. Statistical software tools will be used throughout the course including homework.

Assessment:

Two midterm exams:	25% each (02-15-06 and 04-05-06)
Final exam:	35%
Homework, quizzes and instructor's discretion:	15%

In general, homework is due on Wednesday at the beginning of the class. Only a subset of the problems may be graded. No late work is accepted. Always turn in something rather than nothing. Nothing earns you zero points. Something earns you partial points.

Regular work at home and participation in class are strongly suggested. 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.

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.

Miscellaneous:

Important dates are given in the academic calendar.

This syllabus is not a legal document; common sense rules always apply. If this syllabus changes you will be notified (class, web, email, etc.).

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/ascsmdocs/honorcodev2.pdf)