Course Description:

This course follows STAB22H, and gives an introduction to regression and analysis of variance techniques as they are used in practice. This course (in combination with STAB22H) presents the basic statistical methodology used in many fields of application. The emphasis of this course is on concepts, techniques and the use of software for statistical analysis and will be useful to students who seek to gain an understanding of the use of statistics in their own fields. The course reviews statistical inference, then treats simple and multiple regression and the analysis of some standard experimental designs.

Prerequisites: STAB22H
Exclusions: ECMB12H, STAB57H, STA221H, STA250H

Course Schedule:

Lectures: Mon 2-3  BV264,
Fri 11-12  BV264

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Office hours: Fri 3-7pm

Textbook
The textbook is, Regression Analysis A Second Course in Statistics by Mendenhall and T. Sincich, 6th ed.

Tutorials
Tutorials will begin Fri, Jan 18, 2008.

Evaluation

Tutorials (based on quizzes): 20%- quizzes will be held during tutorials and will last approximately 10 minutes. They will cover material from the previous week of lectures.
Term Test: 30% -a two-hour test on a date to be announced.
Exam: 50%

Missed Tests

There are no make-up tests. If the test is missed for a valid reason, you must submit appropriate documentation to the course instructor within one week of the test. Print on it your name, student number, course number, and date. If documentation is not received
in time, your test mark will be zero. If a test is missed for a valid reason, its weight will be shifted to the final exam.

Calculators

Hand calculators are cheap and useful. Any cheap one with a square root and one memory button will do. Mean, standard deviation, sum, and sum of squares keys may save you a bit of time on occasion, but we do not recommend the purchase of expensive calculators to get keys with special statistical calculations. Tests and exams will be designed so that those calculators give no advantage. We emphasize the use of Minitab software for doing any tedious or complex calculations.

Computing:

Students will be using, on a weekly basis, the Minitab Statistical Computing Software. No previous computing experience is necessary. With this software, you will analyze the data sets used in the text exercises. The data sets can be found on the CD-ROM accompanying the textbook.