



Spring 2004  
DAY COURSE

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*Students requiring accommodations as a result of disability, must contact the Centre for Students with Disabilities 604-291-3112 or csdo@sfu.ca*

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**Instructor: DR. C. SCHWARZ**

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**Textbook:**

*JMP IN Version 4 for Windows & MacIntosh by SAS Institute, publisher ITP Duxbury*

**Calendar Description:**

A practical introduction to useful sampling techniques and intermediate level experimental designs.

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**Outline:**

Sampling and experimentation are major components of much modern research, and STAT 403 will develop practical expertise in these areas. This new course is required by students in the proposed Environmental Science program who choose as an area of concentration, one of biology, chemistry, or pollutant transport. Particular emphasis will be placed on environmental applications.

The course is designed to take students beyond the basic concepts introduced in earlier courses, and to generate familiarity with intermediate-level designs that are commonly deployed. Successful graduates would, for example, be able to work with the sampling schemes currently being used to monitor shell fish populations on the B.C. North Coast. They should also have gained practical experience designing experiments that involve more than one level of grouping of experimental units. Students will become actively involved in designing, running, and analyzing actual surveys and experiments.

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**Grading:**

A grading scheme will be announced by the instructor at the beginning of the semester.

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*Students should be aware that they have certain rights to confidentiality concerning the return of course papers and the posting of marks. Please pay careful attention to the options discussed in class at the beginning of the semester. Students are reminded that Academic Honesty is a cornerstone of the acquisition of knowledge. Scholarly integrity is required of all members of the University. Please consult the General Guidelines of the calendar for more details.*

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