



# STAT 403-3

## Intermediate Sampling and Experimental Design

Spring 2014  
Day Course

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Students requiring accommodations as a result of disability must contact the Centre for Students with Disabilities 778-782-3112 or [csdo@sfu.ca](mailto:csdo@sfu.ca)

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Instructor: [Dr. Carl Schwarz](#)

### Prerequisite:

STAT 302, 305 or 350. Students with credit for STAT 410 or 430 may not take STAT 403 for further credit. Statistics minor, major and honors students may not use this course to satisfy the required number of elective units of upper division Statistics. However, they may include the course to satisfy the total number of required units of upper division credit. Intended to be particularly accessible to students who are not specializing in Statistics

### Textbook:

There is no formal text assigned to this course; Necessary course materials will be provided online.

### Calendar Description:

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

### Outline:

This course covers the basic and most useful methods of sampling and experimental design. These methods are major components of much modern research. This course is intended to provide practical expertise in these areas. Methods of field research will be emphasized along with underlying ideas. Methods will be illustrated with situations from environmental science, resource ecology, and other fields. A project utilizing and evaluating methods from the course will serve to extend and integrate the course methods and concepts.

### Grading Scheme:

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|-------------------|----------|
| Assignments-      | 20%      |
| Written Project – | 15%      |
| Two Midterms –    | 15% each |
| Final Exam -      | 35%      |

**Grading is subject to change.**

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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. Students are encouraged to review policies pertaining to academic integrity available on Student Services webpage at <http://students.sfu.ca/academicintegrity.html>*

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**Students looking for a Tutor should send an email to [stat@sfu.ca](mailto:stat@sfu.ca) with “Tutor Request” in the subject line. Please only include information that you would like forwarded to our tutors mailing list.**

Revised October 4, 2013