



# STAT 650-5

## Quantitative Analysis in Resource Management and Field Biology

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*

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**Instructor:** [Dr. Carl Schwarz](#)

### **Prerequisite:**

A course in parametric and non-parametric statistics. This course may not be used for the satisfaction of degree requirements in the Department of Statistics and Actuarial Science.

### **Textbook:**

There is no formal text assigned for this course.

### **Calendar Description:**

The use of statistical techniques and mathematical models in resource management with special emphasis on experimentation, survey techniques, and statistical model construction.

### **Brief Description:**

The course will focus on methods of sampling and experimental designs, along with associated statistical analyses. Emphasis will be placed on applications to resource and environmental management, field biology, and other fields. Practical methods and underlying concepts will be stressed.

### **Evaluation:**

Exercises -	20%
Written Project,	15%
Two Term Tests –	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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Revised October 4, 2013