



# STAT 650

## Quantitative Analysis in Resource Management and Field Biology

Spring 2007  
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. Steven Thompson](#)

### **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 intermediate-level experimental designs, useful sampling techniques, and associated statistical analyses with emphasis on applications to resource and environmental management and field biology.

### **Evaluation:**

Exercises - 20%  
Short Written Project – 20%  
Presentation, Participation in Lab – 20%  
Two Term Tests – 20%  
Final Exam - 20%

**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. Please consult the General Guidelines of the calendar for more details.*

Revised January 2007