

SPRING 2016 - STAT 650 G100

**QUANTITATIVE ANALYSIS IN RESOURCE MANAGEMENT AND FIELD BIOLOGY (5)**

Class Number: 5603 Delivery Method: In Person

**COURSE TIMES + LOCATION:**

Tu 2:30 PM – 4:20 PM  
SSCC 9000, Burnaby

Th 2:30 PM – 3:20 PM  
AQ 3154, Burnaby

**EXAM TIMES + LOCATION:**

Apr 17, 2016  
3:30 PM – 6:30 PM  
AQ 3149, Burnaby

**INSTRUCTOR:**

Carl Schwarz  
cschwarz@sfu.ca  
778-782-3376  
Office: SC-K10559

**PREREQUISITES:**

A course in parametric and non-parametric statistics.

## Description

**CALENDAR DESCRIPTION:**

The use of statistical techniques and mathematical models in resource management with special emphasis on experimentation, survey techniques, and statistical model construction. This course may not be used for the satisfaction of degree requirements in the Department of Statistics and Actuarial Science.

**COURSE DETAILS:**

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.

## Grading

Exercises	20%
Written Projects	15%
Term Test 1	15%
Term Test 2	15%
Final Exam	35%

**NOTES:**

***All grading is subject to change***

## Materials

---

### REQUIRED READING:

There is no formal text assigned for this course.

---

### GRADUATE STUDIES NOTES:

Important dates and deadlines for graduate students are found here: [http://www.sfu.ca/dean-gradstudies/current/important\\_dates/guidelines.html](http://www.sfu.ca/dean-gradstudies/current/important_dates/guidelines.html). The deadline to drop a course with a 100% refund is the end of week 2. The deadline to drop with no notation on your transcript is the end of week 3.

---

### REGISTRAR NOTES:

SFU's Academic Integrity web site <http://students.sfu.ca/academicintegrity.html> is filled with information on what is meant by academic dishonesty, where you can find resources to help with your studies and the consequences of cheating. Check out the site for more information and videos that help explain the issues in plain English.

Each student is responsible for his or her conduct as it affects the University community. Academic dishonesty, in whatever form, is ultimately destructive of the values of the University. Furthermore, it is unfair and discouraging to the majority of students who pursue their studies honestly. Scholarly integrity is required of all members of the University. <http://www.sfu.ca/policies/gazette/student/s10-01.html>

ACADEMIC INTEGRITY: YOUR WORK, YOUR SUCCESS