



# STAT 100

## Chance and Data Analysis

Fall 2012  
Day Course  
Statistics Workshop

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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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This course may be applied to the  
Certificate in Liberal Arts

Instructor: [Dr. Tom Loughin](#) (Surrey)

Lab Instructor: [Robin Insley](#)

### Prerequisite:

**None.** Intended to be particularly accessible to students who are not specializing in Statistics. Students with credit for STAT 101, 201, 203, 270 or BUEC 232 will not receive additional credit for this course.

### Textbook:

*Statistics: Concepts and Controversies, 7<sup>th</sup> ed.*, by David S. Moore and William I. Notz., publisher: W.H. Freeman, 2009

### Calendar Description:

Chance phenomena and data analysis are studied through simulation and examination of real world contexts including sports, investment, lotteries and environmental issues. **Quantitative/Breadth-Science**

### Outline:

1. Introduction
2. Study Designs
3. Representing Data
4. Using Variability to Understand Probability
5. Answering questions about populations
6. Looking for relationships
7. Models for unknown reality

This will be a concept-oriented course.

### Grading Scheme:

Homework Assignments: 15%

Quizzes: 10%

Midterm 1: 20%

Midterm 2: 20%

Final: 35%

*[All 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.