



STAT 100

Chance and Data Analysis

Fall 2008
Day Course
Statistics Workshp

Students requiring accommodations as a result of disability, must contact the Centre for Students with Disabilities 778-782-3112 or csdo@sfu.ca

This course may be applied to the
Certificate in Liberal Arts

Instructor: [Dr. Tom Loughin](#) (Surrey)
Lab Instructor: [Robin Insley](#) / Saman Muthukumarana

Prerequisite:

None. Students can choose which of STAT 100 and STAT 101 they take as their first STAT course. However, to receive credit for both STAT 100 and STAT 101, STAT 100 must be taken first. Recommended: This course should not be taken by students who have 60 or more units. Intended to be particularly accessible to students who are not specializing in Statistics.

Textbook:

Statistics A Guide To The Unknown, 4th edition, by Peck, et al., publisher: Duxbury, 2006

Calendar Description:

An Introduction to chance phenomena and data analysis 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. Answering questions about populations
5. Looking for relationships
6. Models for unknown reality
7. Extensions to more specific problems

This will be a concept-oriented course. There will be very little math and very much writing.

Grading Scheme:

Homework Assignments: 20%
Midterm 1: 20%
Midterm 2: 20%
Final: 40%

More drop in Open Lab hours will be announced in the class during the first week of classes.

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 June 2008