

STAT 101

Introduction to Statistics

Spring 2010
Day Course
Statistics Workshop

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 of Liberal Arts

Instructor: [Dr. Brad McNeney](#)

Lab Instructor: [Robin Insley](#)

Prerequisite:

To receive credit for both STAT 100 and STAT 101, STAT 100 must be taken first. Intended to be particularly accessible to students who are not specializing in Statistics. Students with credit for ARCH 376, BUEC 232 (formerly 332) or STAT 270 (formerly MATH 272 and 371) may not subsequently receive credit for STAT 101-3. Students with credit for STAT 102, 201, 203 (formerly STAT 103), 301, MATH 101 or 102 may not take STAT 101 for further credit.

Textbook:

The Basic Practice of Statistics, 5th Edition, by David S. Moore, W.H. Freeman Publishers

The textbook package is available at the SFU Bookstore. Alternately, students may purchase the online text and resources (StatsPortal) at the Freeman website: <http://www.bfwpub.com/>

Calendar Description:

The collection, description, analysis and summary of data, including the concepts of frequency distribution, parameter estimation and hypothesis testing. **Quantitative.**

Outline:

Aimed at a non-mathematical audience, this course discusses procedures that are most commonly used in the summary of statistical surveys and in the interpretation of experimental data. The rationale for these procedures is explained in detail, but the use of mathematical formulas is kept to a minimum.

The course will include an introduction to JMP IN, a computer package for statistics. You will need access to a computer and to JMP IN to complete the course.

1.The Design of a Statistical Study:

The two major design types, controlled experiments and observational studies, are discussed, with special emphasis on the

Grading Scheme:

Homework – 20%

Midterm – 30%

Final – 50%

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 2010