
Students requiring accommodations as a result of disability, must contact the Centre for Students with Disabilities 778-782-3111 as a result

Textbook: Scott Pea
Lab Textbook: Robin Leeder

Prerequisite:

30 units. Students with credit for STAT 101, 102, 203 (formerly 103), 270 (formerly MATH 272) or 301 may not take STAT 201 for further credit. Intended to be particularly accessible to students who are not specializing in Statistics.

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, student may purchase the online text and resources (StatsPortal) at the Freeman website: <http://www.bfwpub.com/>

Calendar Description:

Research methodology and associated statistical analysis techniques for students with training in the life sciences.

Quantitative

Outline:

tral tendency, measures of dispersion,

erve, computer generated graphs and data summaries.

ship between variables: Scatter plots, the regression line, correlation, and

ions: The addition and multiplication rules, and independence.

ta: The binomial and Poisson distributions; where they arise, and their basic

ndence intervals: p-values, confidence levels, and their interpretation; inferences based on the standard normal and t-distributions, underlying assumptions, and a

s: Completely randomized and paired designs; associated standard normal and t-

hip between two variables: Simple linear regression and correlation analysis, comparing two lines and basic analysis of covariance.

ments: Completely randomized and randomized block designs; one- and two-way

nts: tests for homogeneity and independence.

Assignments – 15%

Midterm – 40%

Final – 45%

The grading is subject to change.

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.

Students looking for a Tutor should send an email to stat@sfu.ca with “Tutor Request” in the subject line. Please only include information that you would like forwarded to our tutors mailing list.

Revised March 2011