



*Students requiring accommodations as a result of disability, must contact the Centre for Students with Disabilities 604-291-3112 or csdo@sfu.ca*

**Instructor: R. Lockhart**  
**Lab Instructor: R. Insley**

**Prerequisite:**

The student must have 30 semester hours of credit. Students with credit for STAT 101, 102, 203 (formerly 103), 270 (formerly MATH 272) or 301 may not take STAT 201 for further credit.

**Textbook:**

The Basic Practice of Statistics, 3rd Edition, by David S. Moore, W.H.Freeman Publishers

**Course Description:** **minimum. Either STAT 101 or STAT**

ical displays, measures of central tendency, measures of dispersion, percentiles, the normal data summaries.

**en variables:** Scatterplots, the regression line, correlation, and causation.

ckground information, formulating hypotheses, generating informative data with controlled and using the data to reassess hypotheses.

ata, randomized surveys, and controlled, randomized experiments.

ddition and multiplication rules, and independence.

omial and Poisson distributions; where they arise, and their basic properties.

rvals:

- 7. **D-41 ce3. t mu co** Simple linear regression and correlation analysis comparing two lines and basic analysis of covariance.
- 10. **Comparing several treatments:** Completely randomized and randomized block designs; one- and two-way ANOVA.
- 11. **Analyzing Frequency Counts:** tests for homogeneity and independence.

**Grading**

Homeworks: 20% -- 5 assignments, best 4 of 5 weighted equally

Midterm: 30%

Final: 50% -- or 80% if you do better on the final exam than on the midterm

*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 April 2004