STAT

STAT 270
Introduction to Probability and 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

Instructor: Dr. Derek Bingham (Burnaby)
Instructor: eciation of a br

oad range of statistical
strategies may wish to take STAT 100 first.

Textbook:

Probability and Statistics for Engineering and the Sciences, 7th ed, by J. Devore, Duxbury Publishers.

Calendar Description:

Basic laws of probability, sample distributions. Introduction to statistical inference and applications. Quantitative

Outline:

1. Introduction to descriptive statistics and chance phenomena.
2. Elementary probability rules, basic combinatorial formulae, conditional probability, independence, and Bayes' theorem.
3.

2. Introduction to sampling distributions with application to basic h

ypothesis testing, and confidence interval problems for
   a proportion and a mean. (subject to time availability)
9. Scatterplots, simple linear regression, and the correlation coefficient (subject to time availability)

Grading Scheme:

Burnaby and Surrey
Assignments – 10%
2 Midterms – 20% each
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 Grade Guidelines of the calendar for more details.

Revised January 2010