



Assignments: 10% <i>Specify number of, variety, and nature of assignments:</i>	Lab Work: %	Participation: % <i>Specify nature of participation:</i>	Project: 30% <i>Specify nature of project:</i>
Quizzes/Test: %	Midterm Exam: 30%	Final Exam: 30%	Other: % <i>Specify:</i>

### TEXT(S) AND RESOURCE MATERIALS

Provide a full reference for each text and/or resource material and include whether required/not required.

Required:

- 1) On Reserve: Depending on the term's theme, background readings will be posted on reserve in the library or online.
- 2) Various URL's will be provided at the beginning of term. Students are expected to bookmark these and refer to them on an ongoing basis. While most of these will be data bank (or similar) sites, some will be opinion sites which students will be expected to critique.

Recommended:

Bennet, Jeffrey O., Briggs, William L., and Tiola, Mario F. *Statistical Reasoning for Everyday Life*. Pearson Publishing, Toronto (2003).

### COURSE TOPICS

List topics and sequence covered.

<b>Week</b>	<b>Topic</b>
Week 1	Introduction
Week 2	What are statistics: Uncertainty and random variables and the uses of statistics
Week 3	Measurement: Data types, error types, and index numbers
Week 4	Displaying data: tables, charts, plots, etc., and scaling, grouping, and lying
Week 5	Describing data: measures of central tendency and shapes of distributions
Week 6	Time series data: trends and smoothing techniques
Week 7	<b>MIDTERM EXAM</b>
Week 8	Probability: statistical significance
Week 9	Correlation: random variables and cross-tabulations
Week 10	Causation: random variables and cross-tabulations
Week 11	Samples: means and variances estimation
Week 12	Populations: means and variances estimation
Week 13	Hypothesis testing: differences in means, proportions and conditioning, and confidence intervals
Week 14	<b>FINAL EXAM</b>

**NOTES**

1. Students are required to follow all College policies. Policies are available on the website at: [Coquitlam College Policies](#)
2. To find out how this course transfers, visit the BC Transfer Guide at: [bctransferguide.ca](http://bctransferguide.ca)