

1. Course: Statistics For Business (BA2060)

Credit: 3, Hours: 3-lecture 2-lab, Prerequisite: BA1050.

2. Course Description and Objective:

An introduction to the use of descriptive statistics, probability, hypothesis testing, regression and forecasting. Practical applications will be emphasized in the course. The lab portion of the course will expose students to statistical software such as a Spreadsheet (Lotus/Excel), Minitab and/or SPSS.

The objective of this course is to provide students with a rudimentary knowledge of statistics. This course in conjunction with BA1050 provides an exemption to the CGA Managerial Statistics course 203 and to the CMA Quantitative methods 332 course.

3. Text:

Harnett and Murphy, Statistical Analysis For Business and Economics, First Canadian Edition, 1993 Addison Wesley.

4. Instructor:

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5. Rules:

- i) When I talk you must listen and when you talk I must listen.
- ii) You only get out of this course what you put in.

6. Evaluation::

Quiz #1	10%
Midterm exam	25%
Quiz #2	20%
Lab exam	10%
Final exam	35%

7. Course content:

a. Descriptive statistics:

Frequency distributions, Measures of central tendency, Measures of dispersion, Other measures including positional measures.

b. Probability:

Introduction of probability, Addition rules, Multiplication rules, Expected values, Normal probability, Binomial probability including normal approximation, Estimating a population mean and sample size calculations, Estimating a population proportion and sample size calculations.

c. Hypothesis testing:

Large sample mean, Small sample mean, Two population means, More than two population means (ANOVA), Paired observations, Population proportions, Two population proportions, Contingency tables.

d. Regression and forecasting:

Correlation Analysis, Simple linear regression, Multiple linear regression, Time series, Seasonal variation, Moving averages.

Please note: This is the TENTATIVE course content and subject to changes.