

SEP. 13 2002

## STATISTICS FOR BUSINESS

### BA 2060 3 (3-0-2) UT

#### Instructor:

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#### Course Description:

An introduction to the use of random variables, descriptive statistics, probability, the binomial and normal probability distributions, estimation, small and large sample theory, analysis of variance, tests of hypotheses, regression analysis, forecasting, time series and linear programming is provided. Practical applications are emphasized in the course.

#### Prerequisites:

BA 1050 or consent of the instructor.

#### Transferability:

This course in conjunction with BA 1050 provides exemption to the CGA Quantitative Methods 2 course and to the CMA Quantitative Methods course. It also transfers to Athabasca University's Math 215 or MGSC 301 courses.

#### Grading:

10 Assignments @ 4% each	40%
Project	10%
Midterm	20%
Final Exam	30%

#### Course Text:

Statistics For Business And Economics, Eighth Edition; Anderson Sweeney and Williams. The text will be used extensively.

#### Calculator:

Lecture notes and lab exercises will use the SHARP EL-733A calculator. Students using alternate calculators are responsible for learning the functions. A calculator should be brought to all classes and labs. Students are encouraged to do as many problems as possible. The Text Solutions Manual is on reserve at the library.

#### Computer:

Much of the course will be utilizing Microsoft Excel to assist with the statistical calculations. The project will require use of Excel. Students should bring to the lab the CD disk supplied with the text and a disk for storage purposes.

**Attendance and Late Assignments/Project:**

While not required attendance is encouraged. Marks will be deducted for assignments or projects that are turned in late.

**Course Content:**

Topics	Chapter
Data and Statistics	1
Descriptive Statistics	2 and 3
Probability	4
Discrete Probability Distributions	5
Continuous Probability Distributions	6
Sampling and Sampling Distributions	7
Interval Estimation	8
Hypothesis Testing	9
Simple Linear Regression	14
Multiple Regression	15
Regression Model Building	16
Index Numbers	17
Forecasting and Time Series	18
Linear Programming	Supplemental Materials

Student interest and time constraints may result in modifications of the above coverage.