

Statistics For Business BA 2060 3 (3-0-2) UT

Instructor: Sukhvir Sandhu
Office: E401 (Section 15)
Phone: 539 - 2438
E-mail: [Ssandhu @ gprc.ab.ca](mailto:Ssandhu@gprc.ab.ca)
Office hours: The best way is to make appointment for any concern / problem

Prerequisite: BA 1050 or consent of the instructor.

Course Description:

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

Transferability:

The course in conjunction with BA1050 provides exemption to the CGA Quantitative Methods 2 course and to the CMA Quantitative Methods course. It also transfers to Athabasca Universities Math 215 or MGSC 301 courses.

Grading:

10 or more Assignments	40%
2 Tests	10%
1 st Final Exam	25%
2 nd Final Exam	25%

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 Test Solution Manual is on reserve at the library.

Computer:

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

Attendance and Late Assignments:

To get the most out of this course, regular attendance and participation in class activities are required. Assignments should be handed in on the specified dates. Late assignments will be decreased by 10% per day and will not be marked once assignments have been returned to the rest of the class.

Assignment Requirements:

- . Do all work as neatly as possible and write plainly in ink or use computer if you want.
- . Small mistakes may be corrected with "white out". Do not scratch out your mistakes.
- . If you are unable to answer a question, go as far as possible, then state your difficulty. Mere omission of the answer will not be considered a reason to expect the instructor to go into a long detailed answer.

Course Content:

Topics	Chapter
Data and Statistics	1
Descriptive Statistics	2 & 3
Probability	4
Discrete Probability Distributions	5
Continuous Probability Distributions	6
Sampling and Sampling Distributions	7
Interval Estimation	8
Hypotheses 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

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

Percentage Conversion:

Alpha Grade	Percentage Conversion
A+	90-100
A	85-89
A-	80-84
B+	76-79
B	73-75
B-	70-72
C+	67 -69
C	64-66
C-	60-63
D+	55-59
D	50-54
F	0-49