GPRC

DEPARTMENT OF BUSINESS AND OFFICE ADMINISTRATION

COURSE OUTLINE – Fall 2015

BA2060 STATISTICS FOR BUSINESS - 3(3-0-2) 75 UT

INSTRUCTOR:	Jeff Nutting	**PHONE:**	(780) 539-2815
OFFICE:	C423	**E-MAIL:**	jnutting@gprc.ab.ca

OFFICE HOURS: TBA

PREREQUISITE(S)/COREQUISITE:

BA1050 or consent of instructor

REQUIRED TEXT/RESOURCE MATERIALS:

Statistics For Business and Economics 12th Edition, by Anderson Sweeny and Williams. Cengage Sharp Business/Financial Calculator. Students using an alternate calculator are responsible for using the functions. A calculator should be brought to all classes and labs

Microsoft Excel will be used to assist with the statistical calculations for the lab.

CALENDAR DESCRIPTION:

This is 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 and time series. Practical applications are emphasized in the course.

CREDIT/CONTACT HOURS:

This is a 3 credit course with 4 hours of lecture per week and a one hour lab component. Students are expected to attend all classes and labs.

DELIVERY MODE(S):

For each topic there will be a classroom discussion of related statistical procedures. Textbook readings will be assigned throughout the term, and problems from the text will be used to demonstrate material. Assignments and class tests will be scheduled to assess your knowledge, understanding , and application of the material.

OBJECTIVES :
The student will develop problem-solving skills and gain appreciation of the statistics of modern society. This course will help to prepare the student to apply statistical analysis to real world decision making problems

OUTCOMES:
Students at the completion of the course will have an understanding of introductory statistics up to regression analysis and will be able to use statistical analysis on business problems.

TRANSFERABILITY:
CPA Program
Athabasca University, Canadian University College, King's University College.

Students should check the Alberta Transfer Guide concerning transferability as all arrangements are subject to change.

** Grade of D or D+ may not be acceptable for transfer to other post-secondary institutions. Students are cautioned that it is their responsibility to contact the receiving institutions to ensure transferability

GRADING CRITERIA:
The grading system employed in this course will be:

Quizzes and Assignments		30%
Midterm # 1 (chapters 1-3)		20%
Midterm # 2 (chapters 4-8)		20%
Final Exam (chapters 9-17)		30%

GRANDE PRAIRIE REGIONAL COLLEGE			
GRADING CONVERSION CHART			
Alpha Grade	**4-point Equivalent**	**Percentage Guidelines**	**Designation**
A⁺	4.0	90 – 100	**EXCELLENT**
A	4.0	85 – 89	
A⁻	3.7	80 – 84	**FIRST CLASS STANDING**
B⁺	3.3	77 – 79	
B	3.0	73 – 76	**GOOD**
B⁻	2.7	70 – 72	
C⁺	2.3	67 – 69	**SATISFACTORY**
C	2.0	63 – 66	
C⁻	1.7	60 – 62	
D⁺	1.3	55 – 59	**MINIMAL PASS**
D	1.0	50 – 54	
F	0.0	0 – 49	**FAIL**
WF	0.0	0	**FAIL, withdrawal after the deadline**

EVALUATIONS:

1. Assignments will be handed in at the beginning of class on the due date.
2. Quizzes and exams will be written as scheduled
3. Final exams will be scheduled by the registrar during the period between December 8th and December 19th. Plan to be here during this time
4. The first midterm is tentatively scheduled for the first week in October, while the second midterm is tentatively scheduled for the first week in November.

STATEMENT ON PLAGIARISM AND CHEATING:

Refer to the Student Conduct section of the College Admission Guide at http://www.gprc.ab.ca/programs/calendar/ or the College Policy on Student Misconduct: Plagiarism and Cheating at www.gprc.ab.ca/about/administration/policies/**

**Note: all Academic and Administrative policies are available on the same page.

COURSE SCHEDULE/TENTATIVE TIMELINE:

Introduction, Data and Statistics	**Chapter 1**
Descriptive Statistics, Graphs, Charts and Tables	**Chapter 2**
Descriptive Statistics and Numerical Measures	**Chapter 3**
Probability and Probability Distributions	**Chapter 4**
Discrete and Continuous Probability Distributions	**Chapters 5 and 6**
Sampling and Sampling Distributions	**Chapter 7**
Interval Estimation and Population Values	**Chapter 8**
Hypothesis Tests	**Chapter 9**
Inferences About Means and Proportions Two Populations	**Chapter 10**
Inferences About Population Variances	**Chapter 11**
Comparing Multiple Proportions, Independence	
and Tests of Goodness of Fit	**Chapter 12**
Analysis of Variance	**Chapter 13**
Simple Linear Regression	**Chapter 14**
Multiple Regression	**Chapter 15 and 16**
Time Series Analysis and Forecasting	**Chapter 17**

Please note that coverage, and dates are approximate and may be changed by the instructor to meet the needs of the class.