W.94

GRANDE PRAIRIE REGIONAL COLLEGE
Department of Computer Systems Technology
Course Outline

CT 2180 - STATISTICS 3(3-2)

INSTRUCTOR:	Joseph Alfonso
OFFICE:	C209
PHONE:	539-2734
MATERIALS REQUIRED:	Text: Introductory Statistics, 3rd ed., Neil A. Weiss, Matthew J. Hassett.
PREREQUISITE:	Nil.
COURSE DESCRIPTION:	Elementary probability concepts. Measures of central tendency and dispersion. Binomial and normal distributions. Hypothesis testing and elementary sampling. Statistical applications packages such as Minitab will be used.
COURSE OBJECTIVES:	This course will provide students with a basic understanding of statistics and its applications. Statistics is used extensively in business for quality control, market research, forecasting and product planning to name a few applications. The statistical package Minitab will be used to introduce students to applications software.

EVALUATION:

Assignments:	10%
Mid-terms (2):	40%
Final* :	50%

***FINAL MAY BE WRITTEN FOR 70% IF ALL THE MID-TERMS HAVE BEEN WRITTEN AND THE AVERAGE IS AT LEAST 40%. LOWEST MID-TERM MARK WILL BE DISCARDED.**

COURSE CONTENT:

Topic	Chapter
The Nature of Statistics	1
Organizing Data	2
Descriptive Measures	3
Probability Concepts	4
Discrete Random Variables	5
The Normal Distribution	6
Sampling Distribution of the Mean	7
Confisence Intervals for Means or Proportions	8
Hypothesis Tests for Means and Proportions	9
Inferences Concerning Two Means & Proportions	10
Chi-Square Procedures	11
Descriptive Methods in Linear Regression	12

ASSIGNMENT POLICY: There will be weekly assignments and **NO LATE ASSIGNMENTS WILL BE ACCEPTED.**