STATISTICS 1510 A2/B2 3(3-0-2)

Introduction to Applied Statistics
Fall 2010

Grande Prairie Regional College

ROOM: Lecture: ST1510 A2   T R   8:30-9:50
                      ST1510 B2   T R   8:30-9:50

          Lab: ST1510 AL1   A301   R   14:30-16:20
                    ST1510 BL1   A312   W   14:30-16:20
                    ST1510 BL2   A301   T   14:30-16:20

INSTRUCTOR: A section Dallas Sawtell, C204, ph. 780-539-2989, dsawtell@gprc.ab.ca
                 B section Dr. Reddy Ganta, J220, ph. 780-539-2850, rganta@gprc.ab.ca

TEXT: *INTRODUCTORY STATISTICS* 7th Edition, by Prem S. Mann

CALCULATOR: TI 84

PREREQUISITE: Pure Math 30

TRANSFER: UA, UC, UL, AU, AF, CU, KUC, other.

ASSESSMENT: Your final grade will be determined in the following manner:

Assignments	10%	
Lab Reports	15%	
Mid Term	22%	Thursday, Oct. 21
Lab Exam	15%	week of Nov. 29-Dec. 3
Final Exam	38%	As per the Registrar's office

EXAMS: Exams will be closed book. A hand calculator will be necessary.
The formula sheet and tables as given in the textbook will be copied and be
given to you for the exams.

MISSED EXAMS: Students who miss the mid-term exam for a valid reason, such as illness,
will have the weight transferred to the final exam. In case of illness a
Doctor's note will be required.

OUTLINE

Statistics 1510 is an introductory statistics course focusing on statistical reasoning and data analyses. Mathematical theory is kept to a minimum. Students have access to a computer lab and so are able to work with a variety of data sets. You will be taught in the labs how to use the statistical part of the spreadsheet EXCEL and you will learn how to make proper lab reports.

The following course outline is based on the 6th edition of the text *Introductory Statistics* , by Prem S. Mann.

PART I	Describing Data		Chapters 1-3
PART II	Probability and Probability Distributions		Chapters 4-7
PART III	Inference about means and proportions		Chapters 8-10
PART IV	Applications		Chapters 11-13
NOTE:	Some sections in these chapters will be omitted.		

ASSIGNMENTS: There are 4 homework assignments for this course. The assignments will be given out during class on a Thursday and are due at the beginning of class one week later. You are encouraged to complete most assignments using Excel. **NO LATE ASSIGNMENTS WILL BE ACCEPTED.**

GRADING SCHEME:

A+	4.0	95-100%	
A	4.0	90-94%	Excellent
A-	3.7	85-89%	
B+	3.3	80-84%	
B	3.0	75-79%	Good
B-	2.7	70-74%	
C+	2.3	66-69%	
C	2.0	62-65%	Satisfactory
C-	1.7	58-61%	
D+	1.3	55-57%	
D	1.0	50-54%	Minimal Pass
F	0.0	0-49%	Fail

NOTE: a grade of D or D+ will NOT meet the perquisite requirements for other math courses and will not be accepted by other universities or colleges.