

# STATISTICS 1410 A2

## FALL TERM 1994

TITLE: Introduction to Statistics

INSTRUCTOR: Dr. Eric Chislett  
Office C 409  
Phone 539-2003

TEXT: Weiss, Elementary Statistics, second edition.  
Student Solution Manual for Weiss.

TIME: Class: Mon. Wed. Fri., 2:00 - 2:50, J201  
Seminar: ST1410 AL1, Thur. 8:30 - 9:20, A204  
ST1410 AL2, Tues. 8:00 - 8:50, J204

MARKING: Final 50 %  
Midterm 30 % Fri. Oct. 21  
Quizzes 10 % Fri. Sept 30 & Fri. Nov. 25  
Assignments 10 %

COURSE CONTENT: Random variables and frequency distributions. Averages and variances. The binomial and normal distribution. Sampling distributions and elementary inference. The  $\chi^2$  test and contingency tables. Regression and correlation. Analysis of var.

PREREQUISITE: Mathematics 30

NOTE: Statistics 1410 is among the requirements for the following programs: Agriculture and Forestry, Pre-Medicine, Pre-Optometry, Pre-Veterinary Medicine, Food Science, Secondary Education (Mathematics major), and Food Sciences. Statistics 1410 may also be used as the mathematics option for all Education Students. ST 1410 is a required course in the Computer System Technology program.

DETAILED DESCRIPTION:		No of weeks
A.	Descriptive Statistics	
	Organization of Data	1
	Averages and Variances	1
B.	Probability Theory	
	Elementary Probability	1
	Probability Distributions	1
	Binomial Distributions	1/2
	Normal Distributions	1
	Sampling Distributions	1
C.	Statistical Inference	
	Estimation	1 1/2
	Hypothesis Testing	1 1/2
	Analysis of Variance	1
D.	Applications	
	Chi-Square Procedures	1
	Regression and Correlation	2
<u>Total</u>		<u>13 1/2</u>