

UNIVERSITY OF TEXAS AT EL PASO  
COLLEGE OF SCIENCE  
DEPARTMENT OF MATHEMATICS

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Course Number:	31762
Course Title:	MATH 1380 Descriptive and Inferential Statistics.
Credit Hours:	3.0
Term:	Summer I 2014.
Course Meetings and Locations:	MTWHF 11:40 - 13:50 PM BELL HALL 143.
Instructor:	Dr. Eduardo Quinonez-Rico.
Phone:	747-8752
Email:	equionez@utep.edu.
Office Location:	Burges Hall 311.
Office Hours:	MWF 09:00 - 11:00 or by appointment.
Textbook:	Seeing Through Statistics 3rd edition Jessica M. Utts.

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COURSE OBJECTIVES

By the end of the course, students should be able to:

- (1) apply algebraic and geometric methods to modeling and solving real world problems,
- (2) numerical and graphical summaries of one-variable and two-variable data sets are interpreted, produced, and described verbally.
- (3) expand mathematical reasoning skills & formal logic to develop convincing mathematical arguments.
- (4) apply probability rules and to critique statistical studies
- (5) use appropriate technology to enhance mathematical thinking and understanding and to solve mathematical problems and judge the reasonableness of the results.
- (6) use technology incorporated such as spreadsheet software, internet applets/simulations, or graphing calculators.
- (7) interpret mathematical models (formulas/graphs/tables/schematics) and draw inferences from them.

GENERAL TOPICS

We are going to be covering Chapters 1 - 11, 16, 20, and 22. This material has been divided in two parts. The first part consists of the general methodology in statistics. The second part is about data management. This last part includes, computations, assumptions over the collected data, appropriate use of formulae and graphical display of the information.

Students will learn basic mathematical concepts and methods used in managements, social sciences, and business. Students will develop the view that mathematics is an evolving discipline that is interrelated with human culture. Students will also understand the connection of mathematics with other disciplines.

GRADING

In this course, grades are distributed as follows:

Presentations:	20%
Assignments:	15%
Partial Exams:	40%
Final Exam:	25%

**Extra Credit** There will be extra credit assignments. You may earn to 10 extra points in each partial exam under the following conditions:

- (a) You must turn in all IN-CLASS assignments by the next class. Late due assignments will not be considered under any circumstance, unless you have a written and proper excuse (medical, death in family, accident, etc).
- (b) You must score in the corresponding partial exam at least 60 points.
- (c) You must have at most one absence during the corresponding period. For this purpose, there will be a roll list every class. Be sure to sign this sheet.

**Presentations:** Students in form groups of at most four will be asked to do presentation of some of the material from the book. The presentations must be supported with visual aids such as Power Point, full participation of all member teams and a written report of the presentation.

**Assignments:** There will be assignments every day at the end of the class. These are additional exercises to those in the extra credit. The purpose to reinforce the material given in class or in some cases they will be small essays from the textbook.

**Partial Exams:** There will be three partial exams, each covering approximately two chapters from the book.

**Final Exam:** At the end of the semester a comprehensive exam will be given on July 3rd.

Exams will be administrated according to the following dates during class time:

Exam I	Wednesday June 18th
Exam II	Wednesday June 30th
Final Exam	Friday July 3rd

Makeup exams can be given only in extraordinary and unavoidable circumstances, and with advance notice.

#### IMPORTANT DATES

First day of Classes    June 9th.  
Last day of Classes    July 2th.

#### TUTORING

There are numerous private tutors available, at MARCS Library 2nd floor and at ACES Classroom Building. Also, make use of the instructor's office hours,

#### DISABLED STUDENTS

If a student has or suspects he/she has a disability and needs an accommodation, he/she should contact Disabled Student Service Office (DSSO) at 747-5178 or at [dss@utep.edu](mailto:dss@utep.edu). Additional information can be obtained directly in the office located at room 106 Union East Building. The student is responsible for presenting to the instructor any DSS accommodation letter for instructions.

#### MILITARY STUDENTS

If you are a military student with potential of being called to a military service and/or training during the semester, please contact me by the end of the first week of class.