

THE UNIVERSITY OF TEXAS AT EL PASO
COLLEGE OF SCIENCE
DEPARTMENT OF MATHEMATICAL SCIENCES

Course #: 14594
Course Title: STAT 2480 – Section 002: Elementary Statistical Methods
Credit Hrs: 4
Term: Fall 2014
Course Meetings & Location: TR 10:30 – 11:50 a.m. Quinn Hall 103
W 10:30 – 11:20 a.m. Physical Science Building 218
Prerequisite Courses: One of 1320, 1508, 1411, TCCN 1314 or equivalent
Course Fee: (if applicable) None
Instructor: Dr. Ming-Ying Leung
Office Location: Bell Hall 225
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Emergency Contact: 915-747-5761 (math dept office)
Office Hrs: Posted Weekly at
<http://www.math.utep.edu/Faculty/mleung/officehours>
Textbook, Required Materials: Available only on Pearson website and UTEP Bookstore
Component 1- 1st Custom Edition of *Statistics: The Art and Science of Learning from Data*.
Component 2- MyMathLab + Full Ebook
ISBN Number 126938998X

Package Price on Pearson Site: \$87.33 list

Here is the url link for the Pearson Site:

<http://store.pearsoned.com/texaselpaso/stat>

Course Objectives
(Learning Outcomes):

The students are expected to go beyond mere statistical literacy. At the end of the course a student will have the necessary skills: To design an experiment for the collection of data that will answer a simple research question; To write out a plan for statistical analysis of data collected; To carry out a planned statistical analysis; and To provide a written report of the findings including a summary of ways the study could be improved; To read a scientific paper for the purpose of critiquing the strengths and weaknesses of the experimental design and the statistical analysis, and comment on the appropriateness of the conclusions based on the analysis presented.

Activities and Assignments: Reading assignments, homework assignments, day-by-day class schedule with due dates, class-handouts, lab instructions, lab quizzes are all on BLACKBOARD.

Students will be expected to attend lecture and lab, read the book, practice the concepts by solving problems from the textbook assigned for homework, and complete a group project. The textbook problems will be supplemented with computer assignments requiring the use of statistical software Minitab available in the UTEP library, UGLC computer lab, and the ACES computer lab in Bell Hall. Statistical software instruction will be provided in the lab.

In-class group activities will be used to encourage active learning. Study groups to discuss the problems and brainstorm approaches to problem solving are encouraged, however, all graded assignments and computer programs turned in for grading are to be your own work and reflect your individual effort.

Course Schedule: **September 11** - Class Census Day. Last day to drop without a W.
November 1- Course Drop Deadline
Final Exam – refer to the final exam schedule by lecture time
<http://academics.utep.edu/Default.aspx?tabid=11145>

Grading Policy: You will be graded on homework, group work, in-class examinations, and the project. The course grade is based on:

20% Graded Homework Assignments
5% Lab online quizzes (completed before the lab meets)
15% Exam I
20% Exam II
20% Cumulative Final Exam
20% Project

Projects that are used (or have been used in the past) to satisfy the requirements of another course are not acceptable. For example, Field Biology projects may not be used to satisfy the project requirement of this class.

Calculators may not be shared on exams. Cell phone calculators are not permitted on exams.

Letter grades are determined according to the following scale:

| Grade | Score |
|-------|--------|
| A | 90-100 |
| B | 80-89 |
| C | 70-79 |
| D | 60-69 |
| F | <60 |

Make-up Policy: Late homework is not accepted. Make-up examinations will not be given. Students are required to take the two midterms and final exam at the scheduled times.

Attendance Policy: Lecture and Lab attendance are required and noted at the beginning of class; more than a total of TWO unexcused absences (from lab plus lecture) will result in an instructor-initiated drop or final grade reduction. Your academic advisor will be consulted before final action is decided and taken.

Academic Integrity Policy: Violations of academic integrity, including unauthorized submission of work performed by others, will be pursued vigorously to result in the most severe sanctions. Please refer to UTEP's policy cited in <http://sa.utep.edu/osccr/academic-integrity/>

Civility Statement: No text messaging in class. Please silence cell phones before coming to class. Students are expected to actively participate in class discussions and group activities. Group work that is not completed in class is to be finished as homework, so use the class time wisely by staying focused on the class topic and avoiding chit-chat.

Disability Statement: If a student has or suspects she/he has a disability and needs an accommodation, he/she should contact the Center for Accommodations and Support services (<http://sa.utep.edu/cass/>) located in Union East Room 106. The student is responsible for presenting to the instructor any CASS accommodation letters and instructions.

Military Statement: If you are a military student with the potential of being called to military service and /or training during the course of the semester, you are encouraged to contact your instructor as soon as possible.