

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

Course #: 33452
Course Title: STAT 2480: Elementary Statistical Methods
Credit Hrs: 4
Term: Summer 2020
Course Meetings & Location: MTR: 9:00am – 11:20 am OnLine (Black Board)
W: 9:00am – 11:00 (LAB) OnLine (Black Board)
Prerequisite Courses: One of 1320, 1508, 1411, TCCN 1314 or equivalent
Course Fee: (if applicable) None
Instructor: Francis Biney
Office Location: Bell Hall 215
Contact Info: fbiney@utep.edu
Office Hrs: On-Line (fbiney@utep.edu)
Textbook, Required Materials: Available only on Macmillan website and Utep Bookstore

The Practice of Statistics in the Life Sciences, fourth edition, by Baldi
and Moore, **ISBN-13: 978-1-319-01337-0**

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 a study 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.

Course Schedule: **June 15:** Class Census Day. Last day to drop without a W.
July 10: Course Drop Deadline
August 3rd - 4th: Summer Final exams

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 watch lecture and lab video, read the text 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 which will be made available. Statistical software instruction will be provided in the lab.

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.

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

20% Homework Assignments
5% Pre-Lab ONLINE quizzes
5% Post-Lab quizzes
15% Exam I
15% 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.

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

If a student receives a grade of D or F, they may register for Winter-mester. A grade of 70% or better on the comprehensive Winter-mester exam will replace a failing course grade with a grade of C.

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.

- 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 <https://www.utep.edu/student-affairs/osccr/>
- 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 you have a disability and need classroom accommodations, please contact The Center for Accommodations and Support Services (CASS) at 747-5148, or by email to cass@utep.edu, or visit their office located in UTEP Union East, Room 106. For additional information, please visit the CASS website <https://www.utep.edu/student-affairs/cass/>
- 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.