

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

Course #: STAT 1380 CRN 23615

Course Title: Descriptive and Inferential Statistics

Credit Hrs: 3

Term: Spring 2024

Course Meetings & Location: Online via WebAssign and Black board

Prerequisite Courses: An adequate score on placement examination or MATH 0311

Instructor: Francis Biney

Office Location: OnLine

Contact Info: Email: [fbiney@utep.edu](mailto:fbiney@utep.edu)

Emails will be answered between 9:00am and 4:00 pm Mon-Friday. Emails received outside of these windows will be addressed during the next period or at my discretion, whichever is sooner.

Virtual Office Hrs: MF 12:00 pm to 1:30 pm or by appointment.

Office hours are only held during normal university scheduling. During off-scheduling (Finals week) or condensed scheduling (late start, closed university) hours will be adjusted appropriately.

Textbook, Materials: Required: Seeing Through Statistics, 4<sup>th</sup> Edition Utts, Jessica M.

Cengage (WebAssign) online homework package is required.

Calculator (a graphing calculator is acceptable)

Class Microsoft OneNote notebook (account access through UTEP email)

Course Objectives: This course will explore a variety of statistical concepts with emphasis on real life applications. After successfully completing this course, a student will be able to critically evaluate statistics found in the media and their field of study. The class will introduce the topics of data collection, interpretation, and communication of real-world data. We will also explore the limitations of statistical models/methods.

Course Activities: Exams: Three online exams and a comprehensive final exam will be given. Review problems will be available on WebAssign and assignment before each

Exams. **If it benefits you, the score you receive on the final exam will replace your lowest exam score.**

Quizzes: Every week a quiz is given in class on WebAssign.

Homework: One assignment will be due for each chapter covered in the course. It is due approximately one week after the material is covered in lecture. All assignments are to be completed on Webassign.

Grading Policy: You will be graded on homework, quizzes, Exams  
30% Homework Assignments  
15% Exams I  
15% Exam II  
15% Exams III  
25% Cumulative Final Exam

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

Course Schedule: A comprehensive course schedule is attached as the last pages of this syllabus. Semester highlights are included.

Jan15 – Martin Luther King Day (No Classes)

Jan 31 – Census Day (Last day to drop without a W)

**TBA – Exam 1**

**TBA – Exam 2**

March 11 – 15 Spring Break (No Classes)

March 28 – Drop Day (Last day to drop with a W)

**TBA – Exam 3**

**TBA Final Exam**

Make-up Policy: Homework: An automatic homework extension can be requested within 7 days after the due date. The new due date will be 48 hours from the time the extension is requested. A 15% penalty will be applied to all problems submitted after the original due date. Problems submitted before the original due date will be unaffected.

Make-up assignment will only be given for students attending university sponsored events (such as student athletes traveling to meets), and only with prior notification and appropriate documentation. A make-up exam will only be given in extraordinary circumstances (severe illness, death in immediate family), and with appropriate documentation (e.g. doctor's note).

**Academic Integrity Policy:** The University policy is that all suspected cases or acts of alleged scholastic dishonesty must be referred to the Dean of Students for investigation and appropriate disposition. Any student who commits an act of scholastic dishonesty is subject to discipline. Scholastic dishonesty includes, but is not limited to cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts. Each student is responsible for notice of and compliance with the provisions of the Regents' Rules and Regulations, which are available for inspection electronically at <https://www.utsystem.edu/offices/board-regents/regents-rules-and-regulations>.

All students are expected and required to obey the law, to comply with the Regents' Rules and Regulations, with System and University rules, with directives issued by an administrative official in the course of his or her authorized duties, and to observe standards of conduct appropriate for the University. A student who enrolls at the University is charged with the obligation to conduct himself/herself in a manner compatible with the University's function as an educational institution.

Any student who engages in conduct that is prohibited by Regents' Rules and Regulations, U. T. System or University rules, specific instructions issued by an administrative official or by federal, state, or local laws is subject to discipline, whether such conduct takes place on or off campus or whether civil or criminal penalties are also imposed for such conduct.

**Civility Statement:** A student should be fully present in class, ready to learn. In order to maintain focus, smart phones, smart watches, iPads, Bluetooth or any smart devices should be kept silent and out of sight.

It is expected that students will interact with each other in a respectful way as to maintain a positive work environment.

Videos or pictures of lectures must have written consent from the instructor and student(s).

Disability Statement: If you need classroom accommodations for your success, please contact The Center for Accommodations and Support Services (CASS) at 747-5148, or by email to [cass@utep.edu](mailto: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/>

The student is responsible for informing me of the accommodations needed and will be responsible for proactive actions in regards to having accommodations met.

Military Statement: If you are a military student with the possibility of being called away for training/duty please contact me **before** you leave, so we can make appropriate accommodations

Week	Dates	Tuesday	Thursday	UTEP Events
1	Jan 15	Syllabus and Course Introduction 1. Benefits and Risks of Using Statistics		1/15 MLK Day No Classes
2	Jan 22	2 Reading the News <ul style="list-style-type: none"> <li>Studying Studies</li> </ul>	<ul style="list-style-type: none"> <li>Practice Assignment Due</li> <li>Homework 1 Due</li> </ul>	
3	Jan 29	3 Measurements, Mistakes, and Misunderstandings	<ul style="list-style-type: none"> <li>Homework 2 Due</li> </ul>	1/31 Census Day (Last day to drop w/o a W)
4	Feb 5	4 How to Get a Good Sample Tree Sampling	<ul style="list-style-type: none"> <li>Homework 3 Due</li> </ul>	
5	Feb 12	<ul style="list-style-type: none"> <li>Exam I Review</li> </ul>	<ul style="list-style-type: none"> <li>Homework 4 Due</li> </ul> <p><b>Exam I: Chapters 1-4</b></p>	
6	Feb 19	5 Experiments and Observational Studies 6 Getting the Big Picture	Origami Frogs	
7	Feb 26	7 Summarizing and Displaying Measurement Data	<ul style="list-style-type: none"> <li>Homework 5 Due</li> </ul>	
8	Mar 4	8 Bell Shaped Curves and Other Shapes	<ul style="list-style-type: none"> <li>Homework 7 Due</li> </ul>	
	Mar 11 – 15	Spring Break No Classes		

9	Mar 18	9 Plots, Graphs, and Pictures <ul style="list-style-type: none"> <li>Data Shapes</li> </ul>	<ul style="list-style-type: none"> <li>Homework 8</li> </ul>	3/29 Caesar Chavez Day
10	Mar 25	<ul style="list-style-type: none"> <li>Exam II Review</li> </ul>	<ul style="list-style-type: none"> <li>Homework 9</li> </ul> <p><b>Exam II: Chapters 5 – 9</b></p>	
11	Apr 1	10 Relationships Between Measurement Variables 11 Relationships Can Be Deceiving <ul style="list-style-type: none"> <li>Correlation</li> </ul>		
12	Apr 8	12 Relationships Between Categorical Variables 13 Significance of 2 x 2 Tables	Homework 10 and 11	
13	Apr 15	14 Understanding Probability and Long-Term <ul style="list-style-type: none"> <li>Impaired Paper Toss (reflection)</li> <li>Expectations</li> </ul>	<ul style="list-style-type: none"> <li>Homework 12</li> <li>Homework 13</li> </ul>	
14	Apr 22	Catch Up Lecture	<ul style="list-style-type: none"> <li>Homework 14</li> <li>Exam III Review</li> </ul>	
15	Apr 29		Final Exam Review <b>Exam III: Chapters 10-14</b>	5/3 Dead Day No Classes
16	May 6	<b>Final Exam TBA</b>		

