

**Instructor:** Mark Farris

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**Office:** BO113A

**Office Hours:** Tentatively scheduled for Mon-Thurs 2:00-4:00, or by appt.

**Special Note:** This syllabus is written under the assumption that classes will meet face-to-face until Thanksgiving. If face-to-face classes are called off earlier then this syllabus will be revised as appropriate.

**Instructional Modality:** This course will use a **Split Students** format. Although there will be about 25 students enrolled, at most 15 students can attend any class meeting. The same material will be discussed each Tuesday and Thursday. Each class meeting will present a weeks' worth of material. There will be extensive lecture notes provided in D2L so that you can be prepared in advance for material that will be presented at a brisk pace.

To the extent possible, students will be allowed to choose whether to attend class on Tuesday or Thursday. Instructions for how to make your choice will be available on D2L. Normally, once you get assigned a day of the week you will need to stick with that day of the week as long as face-to-face classes are held. If enrollment allows, it might be possible for students who need to be absent due to illness or some other uncontrollable reason to occasionally switch days of the week. Switching days requires advance notice and advance approval.

**Fully Online Enrollment Option:** If you are considering trying to treat this as a fully online class, please understand that you must apply for approval to do so. The **Student COVID Consultation Request Form** is available at [COVID-19 Student Concerns Website](#). The only exception to this rule is an international student who is not able to enter the country. If such an international student enrolls in this class then the Global Education Office should have already notified me about your situation.

**Textbook:** of Essentials of Statistics, 6<sup>th</sup> edition by Triola. There is a MyMathLab course set up. Some homework and exams will be offered through MyMathLab so this is a required item. A full electronic version of the textbook is available in MyMathLab. Instructions for signing up are available on D2L.

**Objectives:** Your primary objective will be to learn correct use of probabilistic reasoning and statistical reasoning. You will also be learning problem solving skills from the point of view of a statistician. Correct use of terminology and notation will be emphasized.

**Prerequisite:** Math 1233-College Algebra, Math 1534-Precalculus, or MATH1634-Calculus I

**Technology:** You need a calculator that will do basic arithmetic, including square roots. Although a Graphing Calculator is not required, many students own one. The instructor will demonstrate the use a TI-84 graphing calculator for certain statistical calculations in class. There are two statistics packages available online that work well with our textbook. One is StatCrunch, which is available through the MyMathLab course. The other is Statdisk Online which is available at [TriolaStats Website](#). If you have access to Excel spreadsheet software there is a free add-in known as XLSTAT. This add-in is available for you to explore in our classroom-BO109. You do not need access to all of this. A basic calculator along with **one** of the following will be enough for the course: TI-84, StatCrunch, Statdisk, or XLSTAT.

**Grading:** Your grade will be based on weekly online homeworks, three in-class exams, and a final exam. There will be between at least 12 homeworks but only your best 10 homework scores will count. These items will be weighted like this:

240 pts--10 homeworks @ 24 pts each

360 pts--3 Exams @ 120 pts each

200 pts--Final Exam

800 pts--Total

Grades will be computed on the usual basis, 90% for an A, 80% for a B, etc. However, poor performance on the face-to-face work could lower your course grade. You must score at least and 80% average on face-to-face work to receive a grade of A, 70% for a B, 60% for a C, and 50% for a D.

**Attendance Policy:** If you need to miss a face-to-face exam, you should notify me before it is given. If you miss a face-to-face exam, due to an unforeseen situation, such as an accident, you should notify me as soon as possible.

If you need to miss a due date for online graded work, you should notify me well before the work is due. If you miss a face-to-face exam, due to an unforeseen situation, such as an accident, you should notify me as soon as possible.

No allowances will be made for missed work unless an adequate reason is given in a timely fashion.

**Online Homework Problems:** Homework and Exams in this course will consist of problems like those found at the end of each section of the textbook. You should work as many problems from the textbook as you have time for. Since few students have the time to work every exercise in a textbook of this nature, I have selected a modest number of recommended problems. Consider my recommendations as a minimum number of problems to work in order to succeed in the course. These recommendations will appear in my lecture outlines that I will distribute in class and post online.

The online homework will be available in MyMathLab. This will be due once per week.

**Standard Syllabus Information:** Students should refer to the current MSU Student Handbook for university policies on academic dishonesty, class attendance, student rights and activities.

Senate Bill 11 passed by the 84<sup>th</sup> Texas Legislature allows licensed handgun holders to carry concealed handguns on campus, effective August 1, 2016. Areas excluded from concealed carry are appropriately marked, in accordance with state law. For more information regarding campus carry, please refer to the University's webpage [Campus Carry Rules/Policies](#).

**Tentative Schedule**

Dates	Content
Week 1 Aug 25, 27	Chapters 1 and 2 Introduction, Tables and Graphs of Data
Week 2 Sept 1, 3	Chapter 3 Describing, Exploring, and Comparing Data
Week 3 Sept 8, 10	Chapter 4 Probability
Week 4 Sept 15, 17	Chapter 4 Probability, Chapter 5 Discrete Probability Distributions
Week 5 Sept 22, 24	Chapter 5 Discrete Probability Distributions, Exam Review
Week 6 Sept 29, Oct 1 <b>Face-to-Face Exam 1</b> over Chapters 1-5	
Week 7 Oct 6, 8	Chapter 6 Normal Distributions
Week 8 Oct 13, 15	Chapter 6 Normal Distributions, Chapter 7-Confidence Intervals
Week 9 Oct 20, 22	Chapter 8-Hypothesis Testing-One Sample, Exam Review
Week 10 Oct 27, 29 <b>Face-to-Face Exam 2</b> over Chapters 6-8	
Week 11 Nov 3, 5	Chapter 9 Hypothesis Testing-Two Samples
Week 12 Nov 10, 12	Chapter 10 Correlation and Regression
Week 13 Nov 17, 19 <b>Face-to-Face Exam 3</b> over Chapters 9-10	
Face-to-Face classes end	
Week 14 Nov 24, 26	Thanksgiving Break, no class
Week 14 Dec 1, 3	Online Final Exam Review

An online comprehensive **Final Exam** will be Tuesday Dec 8, 1:00PM-3:00PM

Students who wish to request an alternate time for the Final Exam should notify the instructor in a timely fashion.