

# Statistics I – Spring 2024

MATH 1342.008

**Instructor:** Fara Meza

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**Class Time:** MWF from 11:15 am – 12:10 pm **Classroom:** RBN 4019

**Office Hours:** Tuesday 1:00- 1:40pm and Wed 2:30-3:20 pm. any other time by appointment

**Text:** Statistics, Unlocking the Power of Data, 3<sup>rd</sup> Edition by Lock, Lock, Lock, Lock and Lock  
**With the access code to WileyPlus** (which you must have for this course) includes a complete E-Text and other tools needed for this course.

## Course Description

This course is a study of measures of central tendency and dispersion, sampling, hypotheses tests and confidence intervals. It corresponds to the material from chapters 1 - 6.

## Prerequisite

You may enroll in MATH 1342 if you have successfully completed MATH 1314 or MATH 1324 or equivalent.

## Student Learning Outcomes

By the end of this course, the successful Statistics student should be able to do the following:

- Explain the use of data collection and statistics as tools to reach reasonable conclusions.
- Recognize, examine and interpret the basic principles of describing and presenting data.
  - Examine, analyze and compare various sampling distributions for both discrete and continuous random variables.
- Describe and compute confidence intervals.
  - Solve linear regression and correlation problems.
  - Perform hypothesis testing using statistical methods.

## Grades

Your final grade will be determined by the following categories:

<b>Homework</b>	<b>15%</b>
<b>Quizzes</b>	<b>15%</b>
<b>Exams</b>	<b>45%</b>
<b>Final Exam</b>	<b>25%</b>

The grade scale is:

90% or better	A
80% to less than 90%	B
70% to less than 80%	C
60% to less than 70%	D
Less than 60%	F

Please note that an "I" grade will only be given in extremely rare circumstances caused by emergency situations (medical emergencies, etc).

## **Attendance and Participation**

Make sure you attend class every day is very important for your success.

**Late work will not be accepted and make-up examinations will not be given *except for official University or medical absences.***

## **Quizzes**

One short quiz will be given per week Friday; At the end of the semester ONE quiz will be drop (The one with the lowest grades or the one that you miss)

## **Homework**

Will be online homework (WileyPlus) , due Fridays (11:59pm)

## **Exams**

There will be three exams plus the Final Exam.

**Exam 1:** Chapters 1 and 2

**Exam 2:** Chapters 3, 5 and 6 Confidence Intervals

**Exam 3:** Chapter 4 and 6 Hypothesis Test

**Final Exam:** All Chapters 1 to 6

## **Final Exam**

Our final exam is comprehensive. No letter grade for the course will be two or more letters grades higher than the letter grade for the final exam. For example, if you make a C on the final exam, you can make no better than B in the course.

Please note that an "I" grade will only be given in extremely rare circumstances caused by emergency situations (medical emergencies, etc).

## **Classroom Policy**

*Please be respectful of the students around you at all times. This means that you should turn your cellular phones' ringers off, and keep the classroom clear of distractions like unnecessary talking. Also, make sure you show up to class on time and stay the whole time.*

*University Policies* For University policies concerning Students' Rights and Responsibilities, Grade Replacement/Forgiveness, State-Mandated Course Drop Policy, Disability Services, Student Absence due to Religious Observance, Student Absence for University Sponsored Events and Activities, and the Social Security and FERPA Statement please see:

<http://www.utt Tyler.edu/academicaffairs/files/syllabuspolicy.pdf>