

**MATH 1342 – Statistics I  
Spring 2023**

**Professor:** Dr. David Milan

**Office:** RBN 4006

**Office Hours:** MWF 2:30 – 3:20 pm, or by appointment

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**Office Phone:** 903-565-5839 (email is best)

**Web:** class page on canvas

**Class Meeting Time:** MWF 9:05am – 10:00am and 1:25pm – 2:20pm

**Required Text:** *Statistics: Unlocking the Power of Data*, (third edition) by Lock, Lock, Lock, Lock and Lock.

**Prerequisites:** An acceptable score on ACT, SAT, STAAR, or TSI exam

**Course Description:** This course is a study of measures of central tendency and dispersion, sampling, probability and confidence intervals.

**Student Learning Outcomes:** Upon completion of this course, students should be able to do the following:

1. Explain the use of data collection and statistics as tools to reach reasonable conclusions.
2. Recognize, examine and interpret the basic principles of describing and presenting data.
3. Compute and interpret empirical and theoretical probabilities using the rules of probabilities and combinatorics.
4. Examine, analyze and compare various sampling distributions for both discrete and continuous random variables.
5. Describe and compute confidence intervals.
6. Solve linear regression and correlation problems.
7. Perform hypothesis testing using statistical methods.

**Summary of grading policy:** Your grade will be based on:

Quizzes	20%
One Project	8%
Hour Exams (3)	54%
Final Exam	18%

The grading scale will be no harsher than: 90% = A, 80% = B, 70% = C, 60% = D.

**Quizzes:** There will be a quiz each week unless a test is scheduled for that week. Quiz problems will be very similar to the assigned homework.

**Homework:** Written homework will be assigned daily. Solutions will be discussed during each class meeting. Homework is not graded, but students are unlikely to succeed on the quizzes and exams without first working these problems.

**Tests and Final Exams:** There will be 3 tests and a comprehensive final exam. A preliminary list of the test dates is given below. At least one week of advanced notice of any change in test dates will be given.

**Important Dates:**

Jan. 23: Census date: date to withdraw without penalty and grade replacement deadline.

March 13-18: Spring break

March 23: Last day to drop course with a W.

**Final Exam:**

Section 001 (meets at 9:05am on MWF): Monday, April 24 8am to 10am.

Section 002 (meets at 1:25pm on MWF): Monday, April 24 12:30pm to 2:30pm.

**Tentative Daily Schedule**

		<b>Monday</b>	<b>Wednesday</b>	<b>Friday</b>
<b>1</b>	Jan. 9 – Jan. 13	1.1	1.2, 1.3	2.1
<b>2</b>	Jan. 16 – Jan. 20	MLK	2.2	2.3
<b>3</b>	Jan. 23 – Jan. 27	2.4	2.5	2.5, 2.6
<b>4</b>	Jan. 30 – Feb. 3	2.6	3.1	Test 1
<b>5</b>	Feb. 6 – Feb. 10	3.2	3.2, 3.3	3.3
<b>6</b>	Feb. 13 – Feb. 17	3.4	4.1	4.2
<b>7</b>	Feb. 20 – Feb. 24	4.3	4.4	4.4, 4.5
<b>8</b>	Feb. 27 – Mar. 3	4.5	5.1	5.1, 5.2
<b>9</b>	Mar. 6 – Mar. 10	5.2	Test 2	6.1
	Mar. 13 – Mar. 17	Spring Break		
<b>10</b>	Mar. 20 – Mar. 24	6.1, 6.2	6.2	6.3
<b>11</b>	Mar. 27 – Mar. 31	6.4, 6.5	6.5, 6.6	6.7, 6.8
<b>12</b>	Apr. 3 – Apr. 7	6.9	6.10	Test 3
<b>13</b>	Apr. 10 – Apr. 14	11.1	11.2	11.3
<b>14</b>	Apr. 17 – Apr. 21	11.3	11.4	Review
<b>15</b>	Apr. 24 – Apr. 28	Finals Week		

**Calculator Policy:** Non-graphing calculators are required for this course. The recommended calculator is the TI-30X-IIS. Please bring your calculator to each course meeting.

**Make-ups:** Make-ups for **documented** absences that are **required** as part of a UT Tyler obligation (e.g. athletes participating in an event, participating in a debate contest, etc.) or for religious observation will be granted. For all make-ups of this type, prior notification of at least one week and documentation are required. Other make-ups are granted only in extreme cases and at the sole discretion of the instructor.

**University Policies:** See <http://www.uttyler.edu/academicaffairs/files/syllabuspolicy.pdf> for these important University policies: UT Tyler Honor code, student rights and responsibilities, campus carry, UT Tyler a tobacco-free university, grade replacement and forgiveness, state-mandated course drop policy, student accessibility and resources, student absence for university-sponsored events, social security and FERPA, emergency exits and evacuation, and student standards of academic conduct.