



PSY 301.01W Understanding Statistics

COURSE SYLLABUS: SUMMER I 2020

INSTRUCTOR INFORMATION

Instructor: Amanda Stevens, M.S.

Office Location: Henderson Hall 230

Office Hours: TBA

University Email Address: astevens@leomail.tamuc.edu

Preferred Form of Communication: Email

Communication Response Time: Within 48 hours

COURSE INFORMATION

Materials – Textbooks, Readings, Supplementary Readings

Textbook(s) Required:

Statistics: Concepts and Controversies (9th ed.), David S. Moore & William I. Notz
ISBN: 978 – 1464192937

Software/Technology Required:

The first homework assignment will not require you to show your work. For this assignment, you will need access to a version of Microsoft Word or an application that allows you to save documents in the following formats: .doc, .docx, or .rtf. If you have a MacBook or other Apple product, do not use Pages. I must be able to open the document with MS Word.

The latter three homework assignments will require you to show your work. For these assignments, you will need access to technology that allows you to take pictures of your homework and/or convert a written document to a PDF. I use a free app called Evernote Scannable for this purpose and it works great. While this is preferable, you may instead take pictures of your homework assignments using a smartphone. These images must be easily visible or else they will not be graded.

The syllabus/schedule are subject to change.

Calculator Required:

A TI-30Xa calculator is required for this course. They cost around \$8 - \$12 at general retailers (e.g., Target, Wal-Mart). No graphing calculators will be allowed.

Course Description

This is an introductory applied statistics course that focuses on descriptive and inferential statistical methods. Emphasis will be placed on learning statistics through application and experience. Topics include visual displays of data, measures of central tendency and variability, standardized test scores, normal distributions, probability, sampling distributions, and hypothesis testing.

In general terms, this course is about understanding the conceptual background of psychological statistics to provide you with a strong foundation for the next statistics course in your degree plan. The more you understand in this class, the greater advantage you will have going forward into PYS 302.

I strongly encourage you to keep your textbook and any materials you accumulate throughout the course. They will serve as beneficial references going forward.

COURSE REQUIREMENTS

Instructional Methods

Course content will be delivered online in myLeo Online (D2L). Students will be required to log into the course at least four times a week to view recorded lectures. All assignments will be turned in via D2L by 11:59 PM on the specified due date. (See the course outline/calendar at the end of this syllabus for due dates.) You are expected to keep up with all lectures and assignments. This will require logging into the course in D2L frequently. Be sure to check for class announcements, as due dates and assignment details are subject to change.

Student Responsibilities or Tips for Success in the Course

Questions about Grades

Any questions about a grade for a particular assignment or exam should be brought to the instructor's attention within one week of the grades for that assignment or exam being posted.

The syllabus/schedule are subject to change.

Students are expected to:

1. Read the assigned material, which includes following the numeric examples closely and writing down questions about anything not entirely clear to you. Statistics requires close study and re-reading, not just reading through once as you might an ordinary book.
2. Complete the readings BEFORE viewing the video lectures on a particular topic. The lectures will not make sense if you wait to read the chapter until after viewing the lecture.
3. View all video lectures, listen closely, and reach out to the instructor with any questions.
4. Study for, take, and review answers for exams.

GRADING

Final grades in this course will be based on the following scale:

A = 90%-100%

B = 80%-89%

C = 70%-79%

D = 60%-69%

F = 59% or Below

Assessments

HOMEWORK ASSIGNMENTS (40% of overall grade)

There will be four (4) homework assignments during the semester. These assignments are designed to increase your understanding of the topics being covered and give you the opportunity to apply course material. Due dates for homework assignments are listed in the course outline/calendar (at the bottom of this syllabus). Some assignments may require the student to work out problems by hand. For these cases, students will need to either use an app like Evernote Scannable which allows one to convert an image into a PDF or upload images of the worked problems. Each homework assignment is worth 10% of your overall grade.

The syllabus/schedule are subject to change.

1. Assignments are to be turned into the assignment dropbox in D2L by the date and time specified in the course outline/calendar. I will accept emailed assignments on an emergency basis only.
2. Show your work when working a problem involving formulas. At minimum you should show each complete formula in its basing form filled in with numbers, at least one intermediate step, and the final answer. Mark final answers clearly (e.g., by highlighting or placing a box around them). Answers that are difficult to find will not be graded.
3. Include your name on each assignment.
4. No late assignments will be accepted unless special circumstances have been discussed with the instructor. Under these circumstances, 10% will be deducted from the student's assignment grade for every day that the assignment is late. For example, if an assignment is three days late, then 30% of the assignment grade will be deducted. In this example, the student would be able to make, at best, 70% on the assignment. **No late homework assignments will be accepted after five days past the due date.** Since final grades will be due very quickly after the final exam, **no late submissions will be accepted for the final homework assignment.**
5. Homework assignments are intended to be completed individually.

Exams (Midterm exam: 30%; Final exam: 30%)

There will be a midterm and a final exam. Exams will be cumulative. On each exam, there will be questions relating to material covered on the previous exam(s). The questions will require not only recognition of concepts and correct answers, but will be designed to test comprehension and application of concepts as well. Material for the exams will be drawn from the text and the lectures. There will be no make-up exams except as mandated by University policy for University-excused absences, religious holidays, and major illnesses. Students should contact the instructor prior to the scheduled exam if possible, or within 24 hours of missing the exam due to accident or illness. Each exam is worth 30% of your overall grade.

TECHNOLOGY REQUIREMENTS

LMS

All course sections offered by Texas A&M University-Commerce have a corresponding course shell in the myLeo Online Learning Management System (LMS). Below are technical requirements

LMS Requirements:

<https://community.brightspace.com/s/article/Brightspace-Platform-Requirements>

LMS Browser Support:

https://documentation.brightspace.com/EN/brightspace/requirements/all/browser_support.htm

The syllabus/schedule are subject to change.

YouSeeU Virtual Classroom Requirements:

<https://support.youseeu.com/hc/en-us/articles/115007031107-Basic-System-Requirements>

ACCESS AND NAVIGATION

You will need your campus-wide ID (CWID) and password to log into the course. If you do not know your CWID or have forgotten your password, contact the Center for IT Excellence (CITE) at 903.468.6000 or helpdesk@tamuc.edu.

Note: Personal computer and internet connection problems do not excuse the requirement to complete all course work in a timely and satisfactory manner. Each student needs to have a backup method to deal with these inevitable problems. These methods might include the availability of a backup PC at home or work, the temporary use of a computer at a friend's home, the local library, office service companies, Starbucks, a TAMUC campus open computer lab, etc.

COMMUNICATION AND SUPPORT

If you have any questions or are having difficulties with the course material, please contact your Instructor.

Technical Support

If you are having technical difficulty with any part of Brightspace, please contact Brightspace Technical Support at 1-877-325-7778. Other support options can be found here:

<https://community.brightspace.com/support/s/contactsupport>

Interaction with Instructor Statement

EMAIL POLICY

The instructor is available virtually by email. If you would like to schedule a Zoom appointment, the best way to do so is via email. We can then set up a time to chat when it is convenient for you. If you email me and do not receive a response within 48 hours, it is likely that your email was not received.

I will likely send class emails frequently. **You are expected to check your university email at least once per day.** I find that this is made easier by downloading the Gmail app on my cellphone and linking my university email to the app. This way, I receive phone notifications anytime an email is received to my university email.

The syllabus/schedule are subject to change.

EMAIL GUIDELINES

In an attempt to provide a framework for professional communication, emails must contain the following:

1. Include the course (PSY 301) in the subject line. Additional information concerning your reason for contact (e.g., question about hypothesis testing) can be helpful.
2. Address the reader. In other words, open the email with my name. You may call me Ms. Stevens or Instructor Stevens.
3. Adhere to writing mechanics rules. Do not write an email like a text or Facebook message.
4. If asking for assistance, please list at least three things you have done to try and remediate the issue prior to contacting me. These should include things like looking at the syllabus/course schedule, asking a colleague/peer, checking the textbook, calling the Brightspace helpline, etc.

COURSE AND UNIVERSITY PROCEDURES/POLICIES

Syllabus Change Policy

The syllabus is a guide. Circumstances and events, such as student progress, may make it necessary for the instructor to modify the syllabus during the semester. Any changes made to the syllabus will be announced in advance.

University Specific Procedures

Student Conduct

All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. The Code of Student Conduct is described in detail in the [Student Guidebook](#).

<http://www.tamuc.edu/Admissions/oneStopShop/undergraduateAdmissions/studentGuidebook.aspx>

Students should also consult the Rules of Netiquette for more information regarding how to interact with students in an online forum:

<https://www.britannica.com/topic/netiquette>

TAMUC Attendance

For more information about the attendance policy please visit the [Attendance](#) webpage and [Procedure 13.99.99.R0.01](#).

<http://www.tamuc.edu/admissions/registrar/generalInformation/attendance.aspx>

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/academic/13.99.99.R0.01.pdf>

The syllabus/schedule are subject to change.

Academic Integrity

Students at Texas A&M University-Commerce are expected to maintain high standards of integrity and honesty in all of their scholastic work. For more details and the definition of academic dishonesty see the following procedures:

[Undergraduate Academic Dishonesty 13.99.99.R0.03](#)

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/undergraduates/13.99.99.R0.03UndergraduateAcademicDishonesty.pdf>

[Graduate Student Academic Dishonesty 13.99.99.R0.10](#)

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/graduate/13.99.99.R0.10GraduateStudentAcademicDishonesty.pdf>

Students with Disabilities-- ADA Statement

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact:

Office of Student Disability Resources and Services

Texas A&M University-Commerce

Gee Library- Room 162

Phone (903) 886-5150 or (903) 886-5835

Fax (903) 468-8148

Email: studentdisabilityservices@tamuc.edu

Website: [Office of Student Disability Resources and Services](#)

<http://www.tamuc.edu/campusLife/campusServices/studentDisabilityResourcesAndServices/>

Nondiscrimination Notice

Texas A&M University-Commerce will comply in the classroom, and in online courses, with all federal and state laws prohibiting discrimination and related retaliation on the basis of race, color, religion, sex, national origin, disability, age, genetic information or veteran status. Further, an environment free from discrimination on the basis of sexual orientation, gender identity, or gender expression will be maintained.

The syllabus/schedule are subject to change.

Campus Concealed Carry Statement

Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in Texas A&M University-Commerce buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and A&M-Commerce Rule 34.06.02.R1, license holders may not carry a concealed handgun in restricted locations.

For a list of locations, please refer to the [Carrying Concealed Handguns On Campus](#) document and/or consult your event organizer.

Web url:

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/34SafetyOfEmployeesAndStudents/34.06.02.R1.pdf>

Pursuant to PC 46.035, the open carrying of handguns is prohibited on all A&M-Commerce campuses. Report violations to the University Police Department at 903-886-5868 or 9-1-1.

COURSE OUTLINE / CALENDAR

Date	Chapter & Topic	Assignments & Exams
6/1	Introduction & Syllabus	
6/2	Chapter 1: Where Do Data Come From?	
6/3	Chapter 3: What Do Samples Tell Us?	
6/4	Chapter 8: Measuring	Homework Assignment 1 due by 11:59 PM (chapters 1, 3, 8)
6/8	Chapter 12: Describing Distributions with Numbers	
6/9	Chapter 12: Describing Distributions with Numbers	
6/10	Chapter 13: Normal Distributions	
6/11	Chapter 13: Normal Distributions	Homework Assignment 2 due by 11:59 PM (chapters 12, 13)
6/15		MIDTERM EXAM
6/16	Chapter 17: Thinking about Chance	
6/17	Chapter 17: Thinking about Chance	

The syllabus/schedule are subject to change.

6/18	Chapter 18: Probability Models	
6/22	Chapter 18: Probability Models	Homework Assignment 3 due by 11:59 PM (chapters 17, 18)
6/23	Chapter 21: What is a Confidence Interval?	
6/24	Chapter 21: What is a Confidence Interval?	
6/25	Chapter 22: What is a Test of Significance?	
6/29	Chapter 22: What is a Test of Significance?	Homework Assignment 4 due by 11:59 PM (chapters 21, 22)
6/30	No lecture – study for final exam	
7/1		FINAL EXAM

Homework Assignments:

NOTE: Problems that are underlined below will require the student to show their work.

Assignment Number	Chapters	Problems
Homework Assignment 1	1, 3, 8	1.4, 1.6, 1.12, 1.22 3.10, 3.18, 3.22, 3.26, 3.28, 3.36 8.10, 8.28, 8.30
Homework Assignment 2	12, 13	12.16, <u>12.22</u> , <u>12.30</u> (a & b only) 13.10, 13.15, 13.18, <u>13.26</u>
Homework Assignment 3	17, 18	17.14, <u>17.26</u> 18.10, <u>18.22</u>
Homework Assignment 4	21, 22	21.16, <u>21.34</u> , 21.38 22.10, <u>22.32</u>

The syllabus/schedule are subject to change.

The syllabus/schedule are subject to change.