Please, click on the following link to access A&M-Commerce
COVID- 19 Information,
https://new.tamuc.edu/coronavirus/

PSY 301.01W/51W UNDERSTANDING STATISTICS

COURSE SYLLABUS: SPRING 2021

INSTRUCTOR INFORMATION

Instructor: Ms. Marcy Louis

Class Time and Location: Online
Office Hours: By appointment

University Email Address: marcy.louis@tamuc.edu

Preferred Form of Communication: Email
Communication Response Time: 24-48 hours on weekdays
Note. **Emails without proper salutations or not sent from leomail will NOT be responded to.**

COURSE INFORMATION

Materials – Textbooks, Readings, Supplementary Readings

Textbook(s) Required:
Moore, D. S., & Notz, W. I. (2020). *Statistics: Concepts and controversies* (10th ed.).
MacMillan Learning. ISBN: 978-1319109028
e-book ISBN 978-1319272487
Additional handouts are distributed through D2L

Software Required:
- Spreadsheet processing software (e.g., Microsoft Excel, OpenOffice.org, Numbers)
- Word processing software (e.g., Microsoft Office Word, OpenOffice.org, Pages)
- Internet Browser (e.g., Mozilla FireFox, Google Chrome, Safari, Opera)

Calculator: One calculator is required. Any calculator that can process square root will do. **No scientific or graphing calculator is allowed in this class.**

The *syllabus/schedule are subject to change.*

Course Description

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 scores, normal distributions, probability, sampling distributions, hypothesis testing, correlation, and regression.

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

I strongly encourage you to keep your textbook and any materials you accumulate. They will be a beneficial reference going forward.

COURSE REQUIREMENTS

Minimal Technical Skills Needed
- Using the learning management system (D2L)
- Using word processing software (e.g., Microsoft Word)
- Using statistical software package and/or spreadsheet software
- Using regulator calculator to complete simple statistical computation.

Instructional Methods

The course is online, which is not to be interpreted as self-paced. Rather, students are required to log on regularly (preferably every day) in order to succeed. You may consume the material at a more rapid pace than set by the below schedule, but assignments and exams will still take place according to the schedule. Exams will be open for 1-2 days and if you are unable to complete the exam in the designated timeframe, you must contact me at least 48 hours in advance (see Course Specific Procedures/Policies p. 6).

Student Responsibilities or Tips for Success in the Course

In general, students are expected to invest six to nine hours per week into preparing for this course. To successfully complete the course, students should read the textbook, materials on D2L, completing the assigned homework assignments and exams (and turning then in on time). Reviewing the course material thoroughly is essential for preparing for the exams and assignments.

GRADING

Course grades will be determined by the following scale. See the Assessments section for more information.

The syllabus/schedule are subject to change.

Evaluation:

Assignments	(4x)	400 points
Exams	(3x)	300 points
Total points possible		700 points

There are additional modules integrated into the assigned readings throughout the semester. The points you earn are counted as extra credits. These extra credits will be added to your final total points before the letter grade is calculated.

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

A: 90% and above   (630.00 points and above)
B: 80%-89%   (560.00-629.99 points)
C: 70%-79%   (490.00-559.99 points)
D: 60%-69%   (420.00-489.99 points)
F: 0%-59%   (0.00-419.99 points)

Assessments

The course grade is calculated by your performance in the following exams and assignments:

I. **Exams** (3 exams; total: 300 points): Exams will constitute a portion of the grade. There will be three non-cumulative exams. Exams will vary in terms of format, but are likely to include both multiple-choice and short-answer/essay questions.

II. **Assignments** (4 assignments; total: 400 points): Assignments are designed to help students review the material and familiarize with key statistical concepts.

III. **Research Participation** Participating in research studies contributes to students and faculty at A&M - Commerce, your understanding of how research is conducted, and human knowledge in general. For this course, participating in research through SONA system will be extra credit. You will have the opportunity to earn up to 20 points depending on the amount of research you participate in. Each credit hour of research will be worth 5 extra credit points that will be added to your total pool of points. So, for example, if you participate in 4 credit hours of research, you will earn the full 20 extra points. For more information, please visit D2L and check the extra credit research participation documents once available.

Each students are expected to complete Exams and Assignments individually. It is expected that all course work will be submitted by the posted deadline (See the course calendar pp. 4) for the deadlines. Assignments will not be accepted via email to the instructors and work submitted to the wrong assignment box will not be accepted. Please be mindful of your submission deadlines. Please have a backup plan for internet outages.

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PSY 301 COURSE OUTLINE / CALENDAR

Days	Topics
1/11-1/13	**Topic 1:** Syllabus; Introductions
1/13-1/17	**Topic 2:** Experiments, Good and Bad *Chapter 5* Experiments in the Real World *Chapter 6*
1/18-1/24	**Topic 3:** Where do data come from? *Chapter 1* What do Samples Tell Us *Chapter 3*
1/25-1/31	**Topic 4:** Describing Distributions with Numbers *Chapter 12* **D2L: Assignment #1 (due at 11:30 pm, 1/31)**
2/1-2/7	**Topic 5:** Graphs, Good and Bad *Chapter 10* Displaying Distribution with Graphs *Chapter 11*
2/8-2/14	**Topic 6:** Measuring *Chapter 8* **D2L: Assignment #2 (due at 11:30 pm, 2/14)**
2/15-2/21	**D2L: Exam 1 (due at 11:30 pm, 2/21)**
2/22-2/28	**Topic 7:** Thinking about Chance *Chapter 17* Probability Models *Chapter 18*
3/1-3/7	**Topic 8:** Normal Distribution *Chapter 13*
3/8-3/14	Topic 9: Stimulation *Chapter 19* **D2L: Assignment #3 (due at 11:30 pm, 3/22)**
3/15-3/22	Topic 10: What Is a Confidence Interval? *Chapter 21*
3/24-3/28	Topic 11: What is a Test of Significance? *Chapter 22*
3/29-4/4	Topic 12: What is a Test of Significance? *Chapter 22 (cont.)*
4/5-4/11	**D2L: Exam 2 (due at 11:30 pm, 4/11)**
4/12-4/18	Topic 13: Use & Abuse of Statistical Inference *Chapter 23* **D2L: Assignment #4 (due at 11:30 pm, 4/18)**
4/19-4/25	Topic 14: Z-test
4/26-4/30	**D2L: Exam 3 (due at 11:30 pm, 4/27)**

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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

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 the 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

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Interaction with Instructor Statement

Email is the best way to contact the instructor, and on weekdays please allow 24-48 hours for a response. If you do not receive a response in 48 hours, please resend the message. **Emails without proper salutations will NOT be responded.**

COURSE AND UNIVERSITY PROCEDURES/POLICIES

Course Specific Procedures/Policies

On-time submission of all assignments and exams are required. The due date and time are provided in the course calendar. Ten points will be deducted from each late submission if submitted within 24 hours after the deadline, and no submission is accepted afterward, unless prearranged 48 hours before the deadline. No make-up exam is allowed unless prearranged 48 hours prior to the actual exam date and time..

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).
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

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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

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
Director: Ms. Sandi Patton
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/

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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.

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.

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