



## **ORGL 302 – Statistics COURSE SYLLABUS -2015**

**Instructor:** Dr. Dan Su

**Office Location:** Online

**Office Hours:** Online Mon 7-9pm, Wed 7-10pm; or by appointment

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### **COURSE INFORMATION**

#### **Course Description**

This course introduces the concepts and utility of statistics and probability. Data evaluation is presented through the use of descriptive statistics, graphical displays, measures of linear association, and inferential statistical tests of research hypotheses.

#### **Course Competency**

Explain the concepts of how statistics can be used and how to evaluate statistical data.

#### **Pretest**

The Pretest for this Statistics course assesses your knowledge of Fundamentals of Statistics, Data Sets & Their Forms of Measures, Descriptive Statistics, Probabilities Outcomes, Normal Distribution & Make z-Scores, Inferential Statistical Tests, Confidence Intervals, Null & Research Hypotheses, Statistical Technique to Test Hypothesis, Linear Association, Chi-square Test of Independence, and Organize Data & Interpret Tests.

#### **Learning Outcomes**

1. Explain the fundamentals of a statistical study.
2. Describe data sets and their measures in different forms.
3. Use descriptive statistics to describe and make statements about the data set.
4. Interpret probabilities outcomes.
5. Describe a normal distribution and make calculations using z-scores.
6. Use inferential statistical tests to describe the population parameters.
7. Construct confidence intervals and use them to interpret population means.
8. Formulate null and research hypotheses for claims made about population means.
9. Use an appropriate statistical technique to test a hypothesis.
10. Describe the linear association for a set of paired data.
11. Calculate and interpret the chi-square test of independence.
12. Use Excel to organize data, and to calculate and interpret statistical tests.

#### **Posttest**

The Posttest for this Statistics course assesses your knowledge of Fundamentals of Statistics, Data Sets & Their Forms of Measures, Descriptive Statistics, Probabilities Outcomes, Normal Distribution & Make z-Scores, Inferential Statistical Tests, Confidence Intervals, Null & Research Hypotheses, Statistical Technique to Test Hypothesis, Linear Association, Chi-square Test of Independence, and Organize Data & Interpret Tests.

The Posttest is an assessment of your knowledge of the material required for the competency. A score of 80 points or higher is required to demonstrate competency. If you score less than 80 points on any competency you will have an opportunity to review the material and re-take the competency Posttest. You may take the Posttest assessment up to three times. If you have not passed the competency in three attempts, you will work with an Academic Coach to determine another method of fulfilling the program requirements in this subject. In order to demonstrate competency, a score of 80 points or higher is required.

Students who are unable to successfully complete all competencies mapped to a course, upon approval of their instructor have the option to receive a mark of "X" (incomplete) in the course in which they are maintaining satisfactory progress toward competency completion. You must re-register for the course again in the subsequent term. You understand that the grade of X will remain on your transcript indefinitely. However, failure to re-register for the course during the next term will result in a grade of F being posted for your incomplete competency course.

### **TECHNOLOGY REQUIREMENTS**

This is an online course and the following technological resources are required:

- Computer/Internet access and connection: high-speed preferred (not dial up)
- Speakers - so you can hear audio enhanced assignments throughout the semester
- Headset/Microphone
- Webcam
- Microsoft Word, Excel, and PowerPoint

This course may also require the following:

As a student enrolled at Texas A&M University-Commerce, you have access to an email account via myLeo - all my emails sent from eCollege (and all other university emails) will go to this account, so please be sure to check it regularly. Conversely, you are to email me via the eCollege email system or your myLeo email as our spam filters will catch Yahoo, Hotmail, etc.

Our campus is optimized to work in a Microsoft Windows environment. This means our courses work best if you are using a Windows operating system (XP or newer) and a recent version of Microsoft Internet Explorer (6.0, 7.0, or 8.0).

Your courses will also work with Macintosh OS X along with a recent version of Safari 2.0 or better. Along with Internet Explorer and Safari, eCollege also supports the Firefox browser (3.0) on both Windows and Mac operating systems.

It is strongly recommended that you perform a "Browser Test" prior to the start of your course. To launch a browser test, login in to eCollege, click on the 'myCourses' tab, and then select the "Browser Test" link under Support Services.

### **ACCESS AND NAVIGATION**

This course will be facilitated using eCollege, the Learning Management System used by Texas A&M University-Commerce. To get started with the course, go to: <https://leo.tamu-commerce.edu/login.aspx>.

You will need your CWID and password to log in to the course. If you do not know your CWID or have forgotten your password, contact Technology Services at 903-468-6000 or [helpdesk@tamuc.edu](mailto:helpdesk@tamuc.edu).

### **eCollege Student Technical Support**

Texas A&M University-Commerce provides students technical support in the use of eCollege. The student help desk may be reached by the following means 24 hours a day, seven days a week.

- Chat Support: Click on 'Live Support' on the tool bar within your course to chat with an eCollege Representative.
- Phone: 1-866-656-5511 (Toll Free) to speak with an eCollege Technical Support Representative.
- Email: [helpdesk@online.tamuc.org](mailto:helpdesk@online.tamuc.org) to initiate a support request with an eCollege Technical Support Representative.
- Help: Click on the 'Help' button on the toolbar for information regarding working with eCollege (i.e. How to submit to Dropbox, How to post to discussions, etc.)

### **Course Concerns**

If you have questions pertaining to the content of this course (e.g., questions about an exam, about course due dates, etc.), please contact your instructor via email, through the "Virtual Office," or during office hours.

### **Other Questions/Concerns**

Contact the appropriate TAMU-C department related to your questions/concerns. If you are unable to reach the appropriate department with questions regarding your course enrollment, billing, advising, or financial aid, please call 903-886-5511 between the hours of 8:00 a.m.- 5:00 p.m., Monday through Friday.)

## **COMMUNICATION AND SUPPORT**

Email is the best way to communicate as it is checked throughout the day. However, in order to avoid duplication of questions and answers I prefer that you post all class related questions in the Virtual Office course tab. It is likely that your peers will have the same question. Emails of a personal nature should be sent to my email address via eCollege.

## **COURSE AND UNIVERSITY PROCEDURES/POLICIES**

A&M-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.

### **Academic Honesty Policy**

Texas A&M University-Commerce does not tolerate plagiarism and other forms of academic dishonesty. Conduct that violates generally accepted standards of academic honesty is defined as academic dishonesty. "Academic dishonesty" includes, but is not limited to, plagiarism (the appropriation or stealing of the ideas or words of another and passing them off as one's own), cheating on exams or other course assignments, collusion (the unauthorized collaboration with others in preparing course assignments), and abuse

(destruction, defacing, or removal) of resource material. Violation of these academic standards may result in removal or failure. Please see the TAMUC Catalog.

*Cheating* is defined as:

- Copying another's test or assignment
- Communication with another during an exam or assignment (i.e. written, oral or otherwise)
- Giving or seeking aid from another when not permitted by the instructor
- Possessing or using unauthorized materials during the test
- Buying, using, stealing, transporting, or soliciting a test, draft of a test, or answer key

*Plagiarism* is defined as:

- Using someone else's work in your assignment without appropriate acknowledgement
- Making slight variations in the language and then failing to give credit to the source

*Collusion* is defined as:

- Collaborating with another, without authorization, when preparing an assignment

If you have any questions regarding academic dishonesty, ask. Otherwise, I will assume that you have full knowledge of the academic dishonesty policy and agree to the conditions as set forth in this syllabus.

### **Dropping the Class**

If you need to adjust your schedule by dropping this course, please contact your Academic Coach. Please be aware that dropping your course may impact your financial aid, veterans and military benefits, three peat, 45-hour, and 30-hour rules. It is the student's responsibility to drop the course. If you fail to officially drop the class, a failing grade shall be assigned.

### **Incompletes**

If you receive a grade of "X" or Incomplete you have one full term to complete the items that remain incomplete. If you have not submitted the necessary assignments by the end of the next full term your grade automatically converts to an "F."

### **Student Withdrawal**

A student wishing to withdraw from all courses before the end of a term for which he/she is registered must clear his or her record by filing an application for voluntary withdrawal. Please contact your Academic Coach.

This action must be taken by the date stated in the Academic Calendar as the last day to drop a class or withdraw. Any student who withdraws from the university is subject to the conditions outlined in the section regarding Scholastic Probation or Suspension in the university catalog. It is the student's responsibility to withdraw from classes if he or she does not plan to attend during the semester in he/she has enrolled. A student has one year from the first day of a semester to appeal a withdrawal refund. Courses withdrawn are counted as attempted hours and count towards the three-peat, 45-hour and 30-hour rules and financial aid and veterans and military benefits.

### **Instructor Withdrawal**

Your instructor of record reserves the right to withdraw a student from his or her course based on inadequate access to and progress in the online course materials.

**Students with Disabilities**

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 132

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

Fax (903) 468-8148

[StudentDisabilityServices@tamuc.edu](mailto:StudentDisabilityServices@tamuc.edu)

[Student Disability Resources & Services](#)

**Student Conduct**

All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. (See '[Code of Student Conduct](#)' from Student Guide Handbook)