# A&M·COMMERCE

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**ORGL 3331.0CW (CRN: 51206): Data Driven Decision Making II**

**COURSE SYLLABUS**

2022 Summer Term 2 (7/11/2022 – 8/26/2022)

## INSTRUCTOR INFORMATION

| | |
|---|---|
| **Instructor:** | Mei-Ying (Elaine) Lin, EdD |
| **Office Location:** | Online |
| **Office Hours:** | Email or Telephone or Virtual by Appointment |
| **University Email Address:** | Elaine.Lin@tamuc.edu |
| **Preferred Form of Communication:** | Email |
| **Communication Response Time**: | 12-24 hours |

## COURSE INFORMATION

### Materials

This course has been designed using Open Educational Resources (OER).  All materials are embedded within the course and are accessible via the internet.  After taking the pretest, students are encouraged to bookmark, download, or save materials provided via the internet for use during quizzes, assignments, and projects in this class.

### Supplemental Materials

Links and files will be provided in the document sharing tab within the course.

## ORGANIZATION LEADERSHIP PROGRAM DESCRIPTION

The Bachelor of Applied Arts and Sciences in Organizational Leadership (ORGL) degree is a competency-based program that prepares innovative leaders for employment in an increasingly technological and global society. This program provides opportunities for students to receive credit for what they know and can do already, allows them to accelerate completion of their degree, and — because it is fully online — students are able to plan their study schedule around the rest of their day to complete the coursework.

## COURSE DESCRIPTION

This course examines the role of quantitative data in managerial and entrepreneurial decision-making. The course draws upon quantitative tools and analyses from several disciplines, especially, statistics, economics, accounting, and finance. The course study demonstrates the usefulness of these tools and analyses in providing optimal technical options in decision-making situations. The emphasis of the courses is on the interpretation and translation of data into information for the benefit of internal and external consumers. Prerequisites: ORGL 3321 or ORGL 3321 concurrent enrollment.

## STUDENT LEARNING OUTCOMES

Completion of this course provides the student with the knowledge to:

1. Understand the importance of statistics and statistical thinking in improving situations or solving problems.
2. Understand the roles of different types of data (financial, economic, accounting, etc.).
3. Identify and select data that should be collected.
4. Utilize varied methodologies for collecting necessary data.
5. Know how to interpret collected data.
6. Select and utilize appropriate format for presentation and/or analysis of data.

**REGULAR AND SUBSTANTIVE COURSE INTERACTION**

As a general guide, students enrolled in a three-semester hour course should spend one hour engaged in instructional activities and two to three hours on out-of-class work per week in a traditional semester. Students are expected to double this effort of engagement given that this course is being delivered in a seven-week term. Educational activities in this course are designed to ensure regular and substantive interaction between students and faculty to ensure that students are able to demonstrate competency

**COURSE REQUIREMENTS / RECOMMENDATIONS**

**Pretest:** The Pretest for this course assesses your knowledge of Data Driven Decision Making II – Data Analysis, Data Reaction, Data Response, and Data Reporting. The purpose of the pretest is to provide a baseline understanding of your knowledge in this competency. The pretest is **required** for the course.

**Module Discussion:** It is **required** that each student share ideas/opinions to the Module Discussion Forum (Original Posting) in each module.

**Quiz:** It is recommended for the student to complete the quiz in each module. It is a great opportunity to review what you learned in each module.

**Posttest and Culminating Project:** The Posttest and Culminating Project for this course assess your culminating knowledge of the learning outcomes for this course.

**Acceleration Process Deadline:** The deadline to accelerate is **Friday, August 12, 2022 at 5 pm**. Please participate and complete the Module 1 to 6 Discussion original postings, take the Posttest, and submit the Culminating Project 3 files to D2L assigned Dropbox **no later than Wednesday, August 10, 2022 at 5 pm** if you are attempting to accelerate so that the instructor has ample time to grade them and provide student a course completion email for acceleration purposes.

**Minimal Technical Skills Needed:** Students will need reliable computer and internet access for this course. Students must be able to effectively use myLeo email, myLeo Online D2L, and Microsoft Office.

**Instructional Methods:** This course is an online course. To be successful in this course, all content and course modules should be read and reviewed. All assignments and quizzes (both graded and not graded) must be completed. Please contact the instructor by email for any assistance.

**Email your instructor** as soon as you complete/submit your pre-test, post-test, and Culminating Project so the instructor can access and grade your work.

**Student Responsibilities or Tips for Success in the Course:** To be successful in this course, all content and course modules should be read and reviewed. All assignments and quizzes (both graded and not graded) should be completed. Please contact the instructor by email for any assistance.

**ASSESSMENT**

Students must achieve **80% or higher** on **both** the posttest and culminating project to demonstrate competency and pass the course.

## Course Pre-test

The purpose of the pre-test is to provide a baseline understanding of your knowledge in this competency. The pre-test is required before you begin studying course materials. If you do not make at least 80% on the pre-test, students will be expected to complete assignments, quizzes, and other course content to prepare for the post-test and culminating project.

| Content | Description | Value | Notes |
|---|---|---|---|
| Pre-test | This is the initial assessment in the course to provide a baseline understanding of a student's knowledge of the course content and competencies. Pretests are taken once and should be completed upon the first couple of days of a CBE academic term or entry into a course if a student is an accelerator. | 100 points | Required before completing any other work in the course. The grade on the pre-test does **not** count in the final grade for this course. |

## Required Assignments, Discussions, and Satisfactory Course Completion

The two elements that determine the final grade will be the Culminating Project and Posttest. Everything else completed in the course is to scaffold and support learning and demonstration of competency. Generally, **there are two paths in a course**:

- **Student Pretest Grade ≥ 80%** - Student may progress directly to complete the Posttest then Culminating Project. It is highly suggested that students review course content (Modules 1 to 6 reading & participate in the Module Discussions) so that it may be properly applied to the Posttest and Culminating Project.

- **Student Pretest Grade < 80%** - Student is expected to read and watch course content, participate in Module Discussions, and complete learning objective quizzes. These activities are designed to prepare students for the Posttest and Culminating Project. These activities will be part of the grade.

## Learning Objective Discussions

A Module Discussion Original posting student posts under the Module Discussion requires students to synthesize and apply the concept, theory, process, etc., which introduced in the Learning Objective Module. Discussions are submitted/posted in D2L under each Module.

## Learning Objective Quizzes

A brief assessment at the end of each module that is intended to emphasize key concepts, theories, processes, etc., introduced in the Learning Objective Module.

## Course Post-test

The end-of-course comprehensive exam that assesses student knowledge and understanding of major concepts, theories, processes, etc., in the course. A **score of 80% or higher is required** to demonstrate competency.

| Content | Description | Value | Notes |
|---|---|---|---|
| Post-test | Measures your competency of learning outcomes through essay, short answer, and multiple-choice questions. | 100 points | **Required** and you must score 80% or higher. You have up to three attempts. **DUE: Last day of week 7, Friday by 11:59 PM CST** |

If students score less than 80% on the post-test, they will have an opportunity to review the material and retake the post-test up to two additional times. If the posttest score is less than 80% within three attempts, students will receive a grade of "F" in the course and will be required to retake the course in the new term.

## Culminating Project

The project assesses your knowledge of terms and the application of concepts presented in this course. A **score of 80% or higher is required** to demonstrate competency.

| Content | Description | Value | Notes |
|---------|-------------|-------|-------|
| Project | Measures your competency of learning outcomes the completion of a competency-based project. | 100 points | **Required** and you must score 80% or higher on each individual file NOT the average of three files.  You have up to three attempts.<br>**DUE DATE: if you want feedback for revisions: End of week 6.**<br>**HARD DUE DATE: Last day of week 7, Friday by 11:59 PM CST** |

If students score less than 80% on the culminating project, they will have an opportunity to redo/revise the project and resubmit the project up to two additional times. If the culminating project is less than 80% within three attempts, students will receive a grade of "F" in the course and will be required to retake the course in the new term.  Students who fail the culminating project should review the feedback/comments from the instructor before redo/revise and resubmitting the culminating project.

## GRADING

A score of 80% or higher on **both** the Culminating Project and Posttest is required to demonstrate competency and receive credit for the course. The following items will be used to calculate the final grade in the course.

| Item | Worth |
|------|-------|
| Pretest | 100 points (NOT counted toward Final Grade) |
| Posttest | 100 points |
| Culminating Project Attempt | 100 points |
| **Total** (**Average** of Posttest & Culminating Project) | **100 points** |

| Grading Scale |
|---------------|
| A = 90% -- 100% |
| B = 80% -- 89% |
| F = 79% or Below |

## TECHNOLOGY REQUIREMENTS

### LMS (Learning Management System)

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 the technical requirements.

Learning Management System (LMS) Requirements:

View the Learning Management System Requirements Webpage.

LMS Browser Support:

Learn more on the LMS Browser Support Webpage.

YouSeeU Virtual Classroom Requirements:

Visit the Virtual Classroom Requirements Webpage.

### 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 on the [Brightspace Support Webpage.](#)

## Interaction with Instructor Statement

This is an online course; therefore, expect most communication to be online as well. Correspondence will always be through university email (your "myLeo" mail) and announcements in myLeo online (D2L). The instructor will make every effort to respond to emails within 24 provided the correspondence follows the requirements listed below. Students are encouraged to check university email daily.

**All emails from students should include:**
- **Course name** and **subject in the subject line (ex. ORGL 3331-0CW – Posttest)**
- **Salutation**
- **Proper email etiquette** (no "text" emails – use proper grammar and punctuation)
- **Student name and CWID after the body of the email**

**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.

## 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 online in the [Student Guidebook](#).

Students should also consult the [Rules of Netiquette Webpage](#) for more information regarding how to interact with students in an online forum.

## TAMUC Attendance

For more information about the attendance policy, please view the [Attendance Webpage](#) and the [Class Attendance Policy](#)

## 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 Policy](#)
- [Undergraduate Student Academic Dishonesty Form](#)

## Counseling Center

The Counseling Center at A&M-Commerce, located in the Halladay Building, Room 203, offers counseling services, educational programming, and connection to community resources for students. Students have 24/7 access to the Counseling Center's crisis assessment services by calling 903-886-5145. For more information regarding Counseling Center events and confidential services, please visit [www.tamuc.edu/counsel](http://www.tamuc.edu/counsel)

## 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
Velma K. Waters Library Rm 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

## 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.

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

| Modules and Learning Objectives / Competencies | Materials to Read or Review | Assignments |
|---|---|---|
| - **PRETEST** | - NO REVIEW NEEDED | - **COMPLETE ON FIRST DAY** |
| - **Module 1: Data Driven Decision**<br>- LO1, LO2, & LO5 | - Read: From Data to Decisions – The Power of Analytics<br>- Watch: videos | - Read the material for the week.<br>- Answer discussion questions **(required)**.<br>- Complete the module quiz (recommended). |
| - **Module 2: Variability**<br>- LO1, LO2, & LO5 | - Read: Variation in Data<br>- Read: Variability, Standard Deviation, and Risk<br>- Watch: videos | - Read the material for the week.<br>- Answer discussion questions **(required)**.<br>- Complete the module quiz (recommended). |
| - **Module 3: Causal vs Correlational Models**<br>- LO1, LO2, & LO5 | - Read: Benefits of Using Data to Make Decisions<br>- Read: Causal vs. Correlational Models | - Read the material for the week.<br>- Answer discussion questions **(required)**.<br>- Complete the module quiz (recommended). |
| - **Module 4: Group Differences**<br>- LO1, LO2, LO5, & LO6 | - Read: Group Differences<br>- Read: Data Visualization Using Excel<br>- Watch: videos | - Read the material for the week.<br>- Answer discussion questions **(required)**.<br>- Complete the module quiz (recommended). |
| - **Module 5: Errors**<br>- LO1, LO2, LO3, & LO5 | - Read: Trust the Evidence, Not Your Instincts<br>- Read: Sampling Errors<br>- Watch: videos | - Read the material for the week.<br>- Answer discussion questions **(required)**.<br>- Complete the module quiz (recommended). |
| - **Module 6: Hypothesis Testing**<br>- LO1, LO2, LO3, LO4, & LO5 | - Read: Hypothesis Testing<br>- Watch: videos | - Read the material for the week.<br>- Answer discussion questions **(required)**.<br>- Complete the module quiz (recommended). |
| - **POSTTEST** | - REVIEW ALL NECESSARY MODULES | - **COMPLETE by 11:59PM FINAL Day** (earns 80 points or higher) |
| - **CULMINATING PROJECT**<br>- LO1, LO2, LO3, LO4, LO5, & LO6 | - DATA ANALYSIS REPORT | **REQUIRED ASSIGNMENT:**<br>- Complete/submit all 3 parts of Data Analysis Reports by 11:59 PM FINAL Day to D2L assigned Dropbox for grading.<br>- Place the Final Culminating Project into ePortfolio upon successful completion, as directed by instructor. |