To access COVID-19 information, please visit the Stay Healthy Lions Webpage

ORGL 3331 Data Driven Decision Making – 2CW – FALL 2022

COURSE SYLLABUS

INSTRUCTOR INFORMATION

Instructor: Venky Vadlamani, ME, MBA
Office Location: Online
Office Hours: Online: Mon – Fri 5:30 – 7:30 pm (eMail) or by appointment
University Email Address: venkata.vadlamani@tamuc.edu
Preferred Form of Communication: Email. For any immediate assistance, feel free to text at 573 268 7227, with student's first and last name and the nature of query.

COURSE INFORMATION

This course has been designed with **Open Education 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 that are provided via the internet for quizzes, assignments, and projects in this class. *Simply put…This course does not require a textbook.*
Supplemental Materials: links and files will be provided 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 course is on the interpretation and translation of data into information for the benefit of internal and external consumers.

COURSE LEARNING OUTCOMES

Upon completion of this course, the student will be able to:
- LO1: Explain the importance of data in decision-making (Module 1).
- LO2: Identify the methods used for data-driven decision making (Module 2).
- LO3: Describe Financial, Customer, Marketing, Sales, and Employee and Corporate Social Responsibility Key Performance Indicators (Module 3, 4, and 5).
- LO4: Explain measures of central tendency including mean, median, and mode (Module 3).
- LO5: Create charts with Microsoft Excel using basic statistic functions (Module 4).

- LO6: Describe two current trends in analytics (Module 5).
- LO7: Apply principles for protecting data (Module 6).

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 REQUIREMENT

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.

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 for the both the posttest and culminating project to demonstrate competency and pass the course.

Course (Module) Pre-test

The purpose of the pre-test is to provide a baseline understanding of your knowledge in this competency. The pre-test in each module is required before you begin studying weekly/module materials.

Content	Description	Value	Notes
Module Pre-test	This is the initial assessment in the course module to provide a baseline understanding of a student's knowledge of the course content and competencies.	100 points	Required before attempting any post test for respective module. The grade on the pre-test does **not** count in the final grade for this course.

Required Assignments, Discussions, and Satisfactory Course Completion

The culminating project (e.g. workbook) will determine the final grade. 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 attempt to complete the posttest then culminating project. It is highly suggested that students review course content so that it may be properly applied to the posttest and culminating project.

Student Pretest Grade < 80% - Student is strongly recommended to read and watch course content, answer learning objective essay questions, and complete learning objective quizzes. These activities are

designed to prepare students for the posttest. The instructor should provide feedback on these items to prepare students for the posttest. These activities will be part of the grade.

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. Quizzes are factored into final grade.

Course (Module) Post-test

The end-of-module 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 5:30 PM CST**

If you score less than 80% on the post-test, you will have an opportunity to review the material and retake the post-test 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. Students who fail the posttest should review feedback from the instructor before reattempting the posttest.

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
Posttest	100 points
Culminating Project Attempt	100 points
Total	**200 points & Average converted to %**

Grading Scale

A = 90%-100%

B = 80%-89%

F = 79% or Below

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. You have up to three attempts. **DUE DATE if you want feedback for revisions: End of week 6.** **HARD DUE DATE: Last day of week 7, Friday by 5:30 PM CST**

If students score less than 80% on the culminating project, they will have an opportunity to review the material. Complete Culminating Project **with an 80% or better:** **Finalize project** *based on instructor feedback, making final edits where necessary and upload project to the documents section of your ePortfolio. Students may 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.*

TECHNOLOGY REQUIREMENTS

Browser support

D2L is committed to performing key application testing when new browser versions are released. New and updated functionality is also tested against the latest version of supported browsers. However, due to the frequency of some browser releases, D2L cannot guarantee that each browser version will perform as expected. If you encounter any issues with any of the browser versions listed in the tables below, contact D2L Support, who will determine the best course of action for resolution. Reported issues are prioritized by supported browsers and then maintenance browsers.

Supported browsers are the latest or most recent browser versions that are tested against new versions of D2L products. Customers can report problems and receive support for issues. For an optimal experience, D2L recommends using supported browsers with D2L products.

Maintenance browsers are older browser versions that are not tested extensively against new versions of D2L products. Customers can still report problems and receive support for critical issues; however, D2L does not guarantee all issues will be addressed. A maintenance browser becomes officially unsupported after one year.

Note the following:
- Ensure that your browser has JavaScript and Cookies enabled.
- For desktop systems, you must have Adobe Flash Player 10.1 or greater.
- The Brightspace Support features are now optimized for production environments when using the Google Chrome browser, Apple Safari browser, Microsoft Edge browser, Microsoft Internet Explorer browser, and Mozilla Firefox browsers.

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 – Regarding Posttest)**
- **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

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.

Counseling **Services**

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.

COURSE OUTLINE / CALENDAR

Course Calendar for Current Term

Due to the nature of this competency-based course, time is tied to the dates of the current term. **All coursework must be completed by 5:30 pm on the last day of the term** (the Pretest, Quizzes, Posttest & Culminating Project Dropbox will be disable at 11:30PM). Failure to submit all coursework by the last day/time of the term may result in earning a non-passing grade.

There is NO excuse that related to system not working, not taking the submission, and/or not enough time to upload the project files into D2L assigned Dropbox.

COURSE OUTLINE/CALENDAR		
Module Topic	**Materials to Read and Review**	**Suggested Assignments**
M1 – Introduction to Data Driven Decision Making	- **Read article:** From Data to Decisions – The Power of Analytics & **Watch videos**	**Module Discussion Quiz (Recommended)**

Module Topic	Materials to Read and Review	Suggested Assignments
M2 – Variability, Aglorithm, Prediction and Randomization	- **Read article:** Variation in the Data, Algorithms for Prediction, Key Terms 1 & 2 & **Watch videos**	**Module Discussion Quiz (Recommended)**
M3 – Data Identification and Application Part I & II	- **Read Article:** Algorithm, Prediction and Randomization, Financial & Customer KPIs and key terms & **Watch videos**	**Module Discussion Quiz (Recommended)**
M4 – Causal vs Correlational Models	- **Read Article:** Causal vs Correlational Models & **Watch videos**	**Module Discussion Quiz (Recommended)**
M5 – Group Differences, Errors	- **Read article:** Group Differences, Different Resource Groups, Data Visualization using Excel, Errors, Sampling & **Watch videos**	**Module Discussion Quiz (Recommended)**
M6 – Data Protection and Integrity, Hypothesis Testing	- **Read article:** Hypothesis Testing, Data Protection and Integrity & **Watch videos**	**Module Discussion Quiz (Recommended)**
Module Topic	**Materials to Read and Review**	**Suggested Assignments**
CULMINATING PROJECT	**DATA ANALYSIS REPORT**	**REQUIRED ASSIGNMENT:** • **Complete/submit all 3 parts Data Analysis Reports before 5:30 PM FINAL Day. Submit to D2L Dropbox for grading.** • **Place the Final Culminating Project into Mane Sync upon successful completion, as directed by instructor.**
ePortfolio -- Login to myLeo → APPS → Mane Sync → Experiences		

*Complete Culminating Project **with an 80% or better.** **Finalize project** based on instructor feedback, making final edits where necessary and upload project to the documents section of your ePortfolio.

Complete ALL POST-TEST - Scoring 80% or higher- Student earning 80% or higher on the ALL Module POSTTEST(S) after submitting a FINAL Artifact have successfully complete the course in Organizational Change. Students scoring less than 80% will have the opportunity to retake the POSTTEST after a review of material.