



ORGL 3321: Data Driven Decision Making – Part 1 COURSE SYLLABUS

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COURSE INFORMATION

Materials – Textbooks, Readings, Supplementary Readings:

Title: Super Crunchers
Authors: Ayres
Publisher: Pearson

Title: Key Performance Indicators: The 75 Measures Every Manager Needs to Know
Authors: Marr
Publisher: Pearson

Note: Maintain these textbooks for future use in other Upper Division modules

Supplemental Materials: links and files will be provided in the document sharing tab within the course for additional reading and review materials.

Program Description:

The Bachelor of Applied Science in Organizational Leadership prepares innovative leaders for employment in an increasingly diverse technological and global society. The degree develops practical workplace competencies that meet current and future challenges through a real world coursework utilizing personalized academic mentoring and tutoring. The coursework focuses on team building, ethical decision making, enhanced communication skills, critical thinking, and people skills. Graduates of this program pursue careers in education, government, nonprofit, and business organizations.

Competency Cluster Description: This two term 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:

1. **TYPES OF DATA:** Understand the importance and roles of different types of data (financial, economic, accounting, etc.).
2. **DATA IDENTIFICATION:** Identify and select data that should be collected.
3. **DATA COLLECTION:** Utilize varied methodologies for collecting necessary data.
4. **DATA PRESENTATION:** Select and utilize appropriate format for presentation and/or analysis of data.

MODULE REQUIREMENTS

Pretest

The Pretest for this course assesses your knowledge of Data Driven Decision Making (Part 1) – Types of Data, Data Identification, Data Collection, and Data Presentation.

The purpose of the pretest is to provide a baseline understanding of your knowledge in this competency. The pretest is required for the course.

Posttest

The Posttest for this course assesses your knowledge of Data Driven Decision Making (Part 1) – Types of Data, Data Identification, Data Collection, and Data Presentation.

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.

If the term ends prior to your being able to demonstrate competency, you will receive a grade of "I" and be required to complete the remaining competencies in the next term.

Culminating Project - Getting Started with DDDM:

This assignment will aid the student in demonstrating proficiency of all competencies in this course and will serve as the overall course assessment tool. Students are expected to complete the DDDM Workbook, demonstrating proficiency in all course learning outcomes.

In order to demonstrate competency you must achieve an Average of 80% or higher for the Posttest and Culminating Project.

TECHNOLOGY REQUIREMENTS

Instructional / Methods / Activities Assessments

eCollege provides the Module infrastructure, and all work except that one text will be available online. A student has a personal account in eCollege for Module materials, external links, and the opportunity for asynchronous online discussions.

1. DSL or faster Internet connection (Live Chats and Online Presentations)
2. Working knowledge of Microsoft PowerPoint
3. Working knowledge of Microsoft Word
4. Working knowledge of Microsoft Excel

ACCESS AND NAVIGATION

1. DSL or faster Internet connection (i.e., Live Chats Online Presentations, Blogging,)
2. Access to **Microsoft PowerPoint**

3. Access to **Microsoft Word**
4. Access to **Microsoft Excel**

COMMUNICATION AND SUPPORT

You may contact me in person during office hours or online through eCollege or University email. If you need to leave me a message, please indicate what specific assistance you need. If there is an emergency and you need help from the department, call the main office. Technical support is provided through eCollege. See the eCollege sign-on page.

COURSE AND UNIVERSITY PROCEDURES/POLICIES

Course Specific Procedures:

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.

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*). Students are expected to maintain high standards of integrity and honesty in all their scholastic work. To reduce the likelihood of plagiarism, adoption of detection Software (Turnitin) which will be run against all papers submitted. **Papers showing excessive or undocumented similarities with sources will result in an F for the paper and the Module.**

Academic Integrity:

Students are responsible for adhering to standards of academic integrity. Academic integrity is the pursuit of scholarly activity in an open, honest and responsible manner. Academic integrity is a basic guiding principle for all academic activity and students are expected to act in accordance with this principle. Failing to adhere to academic integrity constitutes academic dishonesty.

Academic Dishonesty:

Academic dishonesty is considered to be a violation of the behavior expected of a student in an academic setting as well as a student conduct violation. A student found responsible for academic dishonesty is subject to appropriate academic penalty as determined by the faculty member. Students who engage in academic dishonesty also face additional disciplinary sanctions, including expulsion from the College, as outlined in the Student Code of Conduct. Students assume full responsibility for the content and integrity of the coursework they submit.

Plagiarism Policy:

Plagiarism is taking credit for someone else's words, ideas or images and then submitting that work for credit as if it were one's own without appropriate acknowledgement of the author. Any student suspected of cheating, submitting the work of another student, or submitting the work of another party and failing to cite his/her sources will be investigated fully, reported to college officials, and disciplined according to college guidelines.

University Specific Procedures:

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 132
Phone (903) 886-5150 or (903) 886-5835
Fax (903) 468-8148
 StudentDisabilityServices@tamuc.edu
[Student Disability Resources & Services](#)

COURSE OUTLINE

Module Topic	Materials to Read and Review	Suggested Assignments
PRETEST	NO REVIEW NEEDED	COMPLETE ON FIRST DAY
INTRODUCTION TO DDDM	Ayers: Read Introduction KPI: Read Introduction Marr Videos - What is KPI? http://www.youtube.com/watch?v=wnOgRO2zpDE and What is Business Intelligence? http://www.youtube.com/watch?v=KpYw0xHancY	Discussions 1. Longevity Game at: http://www.northwesternmutual.com/learning-center/the-longevity-game.aspx 2. Prediction Tools at: http://islandia.law.yale.edu/ayers/predictionTools.htm Quiz
ALGORITHMS	Ayers: Chapter 1 Slavin Video: How algorithms shape our world: http://www.ted.com/talks/kevin_slavin_how_algorithms_shape_our_world	Discussion Who's doing your thinking for you? Quiz
REGRESSION AND RANDOMIZED TRIALS	Ayers: Chapters 2 and 3 McCandless video: The beauty of data visualization: http://www.ted.com/talks/david_mccandless_the_beauty_of_data_visualization	Discussion Creating your own data with the flip of a coin. Government by chance? Quiz
DATA IDENTIFICATION AND APPLICATION I	KPI: Parts One and Two Video: Discovering math primary statistics and data analysis: http://www.youtube.com/watch?v=L69WqLMJceU KPI questions – white paper KPI design – white paper	Discussion The financial perspective The customer perspective Quiz
DATA	KPI: Parts Three and Four	Discussion

<p>IDENTIFICATION AND APPLICATION II</p>	<p>Video: Introduction to Excel for stats http://www.youtube.com/watch?v=4AZ8GMqyiM Video: Introduction to Excel for visuals http://www.youtube.com/watch?v=-btUxQi76qI</p>	<p>Marketing and sales perspective Operational processes and supply chain perspective Quiz</p>
<p>DATA IDENTIFICATION AND APPLICATION III</p>	<p>KPI: Parts Five and Six Google Video: How Google is using data analytics to improve decision making? http://www.youtube.com/watch?v=l6ISTjupi5g</p>	<p>Discussion Employee perspective Corporate and social responsibility perspective Quiz</p>
<p>POSTTEST</p>	<p>REVIEW ALL NECESSARY MODULES</p>	<p>COMPLETE BEFORE FINAL DAY</p>
<p>CULMINATING PROJECT</p>	<p>DDDM WORKBOOK</p>	<p>REQUIRED ASSIGNMENT: Complete the entire DDDM Workbook Submit to dropbox for grading Place into ePortfolio upon successful completion, as directed by instructor.</p>