



MGT 307-01W DATA VISUALIZATION

COURSE SYLLABUS: Fall, 2025

INSTRUCTOR INFORMATION

Instructor: Mary Lind
Office Location: Remote
Office Hours: Monday 10-12 AM
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University Email Address: mary.lind@etamu.edu
Preferred Form of Communication: **email**
Communication Response Time: 24 hours

COURSE INFORMATION

Materials – Textbooks, Readings, Supplementary Readings
Online Cengage Textbook Link is in the course.

Course Description

Student Learning Outcomes

1. Develop an understanding of and appreciation for the production and operations management function in any organization.
2. To understand the importance of productivity and competitiveness to both organizations and nations.
3. To understand the importance of an effective production and operations strategy to an organization.
4. To understand the various production and operations design decisions and how they relate to the overall strategies of organizations.
5. To understand the importance of product and service design decisions and its impact other design

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decisions and operations.

6. Obtain an understanding of quality management practice in organizations and how total quality

management and six-sigma facilitate organizational effectiveness.

7. To understand the relationship of the various planning practices of capacity planning, aggregate

planning, project planning and scheduling.

8. To understand the roles of inventories and basics of managing inventories in various demand settings.

9. To understand contemporary operations and manufacturing organizational approaches and

Supply chain management activities and the renewed importance of this aspect of organizational strategy.

COURSE REQUIREMENTS

Minimal Technical Skills Needed

This course requires:

a personal computer (Windows or Mac) (No Chromebook or IPAD)

Internet connectivity

knowledge of the Internet

knowledge of email.

Instructional Methods

Weekly Assignments

GRADING

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

A = 90%-100%

B = 80%-89%

C = 70%-79%

D = 60%-69%

F = 59% or Below

Weights of the assessments in the calculation of the final letter grade.

Example:

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Assignments	20%
Discussions	20%
Midterm Exam	30%
Final Exam	30%
TOTAL	100%

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

Zoom Video Conferencing Tool

https://inside.tamuc.edu/campuslife/CampusServices/CITESupportCenter/Zoom_Account.aspx?source=universalmenu

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.

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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 here:

<https://community.brightspace.com/support/s/contactsupport>

Interaction with Instructor Statement

COURSE AND UNIVERSITY PROCEDURES/POLICIES

Course Specific 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.

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.

<https://inside.tamuc.edu/admissions/registrar/documents/studentGuidebook.pdf>.

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>

TAMUC Attendance

For more information about the attendance policy please visit the [Attendance](#) webpage and [Procedures 13.99.99.R0.01](#)

<http://www.tamuc.edu/admissions/registrar/generalInformation/attendance.aspx>

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](#)

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[Undergraduate Student Academic Dishonesty Form](#)

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/documents/13.99.99.R0.03UndergraduateStudentAcademicDishonestyForm.pdf>

Graduate Students Academic Integrity Policy and Form

[Graduate Student Academic Dishonesty Form](#)

<https://inside.tamuc.edu/aboutus/policiesProceduresStandardsStatements/rulesProcedures/13students/graduate/13.99.99.R0.10.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

Velma K. Waters Library Rm 162

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

Fax (903) 468-8148

Email: studentdisabilityservices@tamuc.edu

Website: [Student Disability Services](#)

<https://www.tamuc.edu/student-disability-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

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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.

A&M-Commerce Supports Students' Mental Health

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

Mental Health and Well-Being

The university aims to provide students with essential knowledge and tools to understand and support mental health. As part of our commitment to your well-being, we offer access to Telus Health, a service available 24/7/365 via chat, phone, or webinar. Scan the QR code to download the app and explore the resources available to you for guidance and support whenever you need it.



<http://telusproduction.com/app/5108.html>

AI Use Policy

Texas A&M University-Commerce acknowledges that there are legitimate uses of Artificial Intelligence, ChatBots, or other software that has the capacity to generate text, or suggest replacements for text beyond individual words, as determined by the instructor of the course.

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Any use of such software must be documented. Any undocumented use of such software constitutes an instance of academic dishonesty (plagiarism).

Individual instructors may disallow entirely the use of such software for individual assignments or for the entire course. Students should be aware of such requirements and follow their instructors' guidelines. If no instructions are provided the student should assume that the use of such software is disallowed.

In any case, students are fully responsible for the content of any assignment they submit, regardless of whether they used an AI, in any way. This specifically includes cases in which the AI plagiarized another text or misrepresented sources.

13.99.99.R0.03 Undergraduate Academic Dishonesty

13.99.99.R0.10 Graduate Student Academic Dishonesty

Course Outline

Modules	Topics/Activities	Assignments
Chapter 1	Operations Mgmt and Value Chains	Discussion Chpt1 Quiz
Chapter 2	Measuring Performance in Operations and Value Chain	Discussion Chpt2 Check Your Knowledge Chpt2 Quiz Chpt2 Homework Chpt2 Excel Activity VLC Chpt2 Excel Activity Statistical
Chapter 3	Operations Strategy	Discussion Chpt3 Check Your Knowledge Chpt3 Quiz

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Chpt4	Technology and Operations Management	<p>Check Your Knowledge</p> <p>Chpt4 Quiz</p> <p>Chpt4 Homework</p> <p>Chpt4 Excel in Decision Analysis</p>
Chpt5	Good and Service Design	<p>Chpt5 Check Your Knowledge</p> <p>Chpt5: Taguchi Loss Function</p> <p>Chpt5 : Serial and Parallel Systems</p> <p>Chpt5: Serial and Parallel Systems</p> <p>Chpt5 Quiz</p> <p>Chpt5 Homework: Goods and Services Design</p> <p>Chpt5 Taguchi</p> <p>Chpt5 Taughi2</p> <p>Chpt5 Systems Reliability</p>

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Chpt6	Exploring Operations	Chpt6 Quiz Chpt6 Quiz Supply Chain Design Chpt6 Homework Supply Chain Design Chpt6 Excel: Breakeven Chpt6 Excel: Location Analysis Chpt6 Center of Gravity
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Chpt7	Process Selection, Design, and Improvement	Chpt7 Check Your Knowledge Chpt7 Quiz Chpt7 Homework Chpt7 Little's Law Chpt7 Value Stream Mapping
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Chpt8	Facility and Work Design	Chpt8 Check Your Knowledge Chpt8 Quiz Chpt8: Facility and Work Design Chpt8 Work Measurement
Chpt9	Forecasting and Demand Planning	Chpt9 Check Your Knowledge Chpt9 Quiz Chpt9 Homework Chpt9 Moving Average Chpt9 Exponential Smoothing
Chpt 10	Capacity Management	Chpt10: Check Your Knowledge Chpt10 Quiz Chpt10 Capacity Mgmt Chpt10 Excel Capacity Chpt10 Excel Capacity Measurement Chpt10 Learning Curve
Chpt 11	Process Analysis and Resource Utilization	Chpt11 Check Your Knowledge Chpt11 Quiz Chpt11 Homework Chpt11: Excel Identifying Bottleneck Chpt11: Using the Theory of Constraints

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		<p>Chpt11: Little Laws</p> <p>Chpt11: Single Server Queue</p>
Chpt12	Managing Inventories in Supply Chains	<p>Chpt12 Check Your Knowledge</p> <p>Chpt12 Quiz</p> <p>Chpt12 Homework</p> <p>Chpt12 Excel: ABC</p> <p>Chpt12 Excel EOQ</p> <p>Chpt12 FQS Safety Stock</p> <p>Chpt12 FPS Safety Stock</p> <p>Chpt12 Single Point Inventory</p>
Chpt13	Supply Chain Management and Logistics	<p>Ch[pt13 Check Your Knowledge</p> <p>Chpt13 Quiz</p> <p>Chpt13 Homework</p> <p>Chpt13 Total Supply Chain Costa</p> <p>Chpt13 Total Supply Chain Costb</p>

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Chpt 14	Resource Management	Chpt14 quiz Chpt14 Homework Chpt14 Aggregate Planning – Level Production Chpt14 Aggregate Planning – Chase Production Chpt14 Aggregate Planning
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