



## **SCM 343-01W Essential Supply Chain Inventory & Warehousing Concepts**

**Fall 2024**

**August 26 - December 10, 2024**

### **Professor Information**

**Instructor: Kevin Mosher**

**Office Hours: Thursday 4pm to 9pm by appointment via**

**Calendly <https://calendly.com/kevin-mosher-tamuc>**

**Office Phone: 903-886-5703**

**University Email Address: [Kevin.Mosher@tamuc.edu](mailto:Kevin.Mosher@tamuc.edu)**

### **Course Information**

Materials – Textbooks, Readings, Supplementary Readings:

- (1) Software Required: MSEXcel, MSPower Point, MSWord
- (2) Optional Texts and/or Materials: NONE
- (3) All Readings will be available in D2L

### **Course Description**

#### **SCM 343 - Essential Supply Chain Inventory & Warehousing Concepts**

This course focuses on the concepts of logistics, transportation and inventory management in the manufacturing as well the services sectors of business. Additionally, this course will introduce the student to current trends relative to logistics, transportation, warehousing as they relate to the supply chain management value stream; connecting the materials management work flow and enterprise resource planning tools. After completing this course, the student will have an understanding of warehousing, facility location determination, forecasting, transportation, and inventory management concepts and methodologies as they are applied to an effective supply chain management network.

## Course Objectives and Measurements

1. Students will demonstrate proficiency in spoken communications by delivering clear and well-structured business presentations.
2. Students will demonstrate proficiency in written communications by creating clear and well-structured business documents.
3. Students will identify and evaluate potential ethical business issues.
4. Students will identify and evaluate global business challenges.
5. Students will be analytical problem solvers in business environments.

Student Learning Outcomes (SLOs)	Objectives - After successfully completing this course, students will be able to:	Measurements (Outcome Assessments) Objectives will be measured as follows:
2, 3, 4 and 5	Understand logistics, transportation and warehousing as they relate and is applied in the firms' supply chain from a strategic, systems viewpoint while integrating continuous improvement as a part of the strategic inventory and warehouse management operations.	(1) Evaluation of: (1) Discussion 1 – Inventory Management (2) Discussion 2 – Inventory Management (3) Discussion 5 – Logistics & Transportation (4) Discussion 6 – Warehouse Management ( (5) Quizzes 1,2,3 & 5 (6) Final Exam
2, 3 and 5	Recognize emerging concepts in transportation, inventory management, logistics and warehousing, relevant to supply chain management including: closed loop supply chain management, Inventory Management, Supply Chain Risk Management, to include logistics network planning, centralized and decentralized distribution strategies and supply chain management product design.	(1) Evaluation of: (2) (1) Discussion 1 – Inventory Management (3) (2) Discussion 2 – Inventory Management (4) (3) Discussion 3- Sales Forecasting (5) (4) Discussion 4 – Materials Management and Handling ( (6) 5) Discussion 6 – Warehouse Management (7) (6) Quizzes 1,2,3 & 4 (8) (7) Final Exam
2, 3, 4 and 5	Students will understand the importance of measurement and incentivization of the supply chain network/supply base including financial impacts of proper inventory, logistics, and warehouse management.	Evaluation of: (1) Discussion 1 – Inventory Management (2) Discussion 2 – Inventory Management (3) Discussion 3- Sales Forecasting (4) Quizzes 1, 2, & 3 (5) Final Exam

## **COURSE FORMAT:**

### **Section 01W – Online:**

This course is delivered in an online format. You will find the majority of the information and materials that you will need to successfully complete the course in this syllabus and on the D2L course management website. Live lessons may be held periodically to allow students to OPTIONALLY log in and be involved in live discussion. These sessions will be recorded and available to all students. Please be sure to read your assigned chapter in advance of the online meeting to encourage meaningful discussion and understanding of the content.

## **COURSE SCHEDULE:**

A course schedule is included at the end of this syllabus

## **SYLLABUS SUBJECT TO CHANGE STATEMENT:**

I anticipate that we will follow the schedule I've outlined in this syllabus, but I may make adjustments based on what actually happens in class. I may also change the basis for the course grade (if I need to eliminate an assignment or something of that nature). If I do so, I will inform you in writing. Remaining in the course after reading this syllabus will signal that you accept the possibility of changes and responsibility for being aware of them.

## **ACADEMIC INTEGRITY:**

Academic honesty is the foundation of the university community. Cheating, plagiarism, or other acts of academic dishonesty compromises the integrity of the academic process and community and are subject to disciplinary action. For this class, plagiarism will result in automatic failure (final course grade of F).

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.

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.

### References:

13.99.99.R0.03 Undergraduate Academic Dishonesty

13.99.99.R0.10 Graduate Student Academic Dishonesty

*An academic honesty policy has been posted under the Assignments Tab in D2L. It is required to read this document, sign it and*

*submit by the due date in the syllabus, thereby confirming your commitment to academic integrity.*

## **SPECIAL NEEDS/REASONABLE ACCOMMODATIONS:**

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

Waters Library- Room 162

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

Fax (903) 468-8148

Email: [studentdisabilityservices@tamuc.edu](mailto:studentdisabilityservices@tamuc.edu)

Website: [Office of Student Disability Resources and Services](http://www.tamuc.edu/campusLife/campusServices/studentDisabilityResourcesAndServices/)

<http://www.tamuc.edu/campusLife/campusServices/studentDisabilityResourcesAndServices/>

## **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:

((<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/34SafetyOfEmployeesAnd Students/34.06.02.R1.pdf>) 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.

## **TENETS OF COMMON BEHAVIOR STATEMENT:**

All students enrolled at the university shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment (See current Student Handbook).

## **UNIVERSITY NONDISCRIMINATION STATEMENT:**

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.

## **TAMUC Attendance:**

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

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

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/academic/13.99.99.R0.01.pdf>

## COURSE POLICIES AND INSTRUCTOR EXPECTATIONS:

Students are required to meet the expectations listed below:

**Professional Behavior:** It is important that you maintain a professional demeanor at all times, including during “electronic communication”. Texas A&M-Commerce expects this from you, as do current and future employers. Since so much communication in the workplace is “electronic” nowadays, this course will be a good place to practice interacting in a manner appropriate to a professional setting. In particular, take special care when posting and responding to discussion board questions.

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](#).

<http://www.tamuc.edu/Admissions/oneStopShop/undergraduateAdmissions/studentGuidebook.aspx>

Students should also consult the Rules of Netiquette for more information regarding how to interact with students in an online forum: Netiquette <http://www.albion.com/netiquette/corerules.html>

- **Regular and Timely Attendance and Participation:** You are expected to log onto MyLeoOnline regularly. It is the responsibility of each student to keep up with the scheduled readings, discussions, and assignments/exams.

For more information about the attendance policy please visit the [Attendance](#) webpage and [Procedure 13.99.99.R0.01](#).  
<http://www.tamuc.edu/admissions/registrar/generalInformation/attendance.aspx>  
<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/academic/13.99.99.R0.01.pdf>

You are expected to be an active participant in the discussions. Your participation will be evaluated, so please make an effort to learn the material. There will be no Extra Credit opportunities, so do your best every time.

- **Changes to Schedule and Syllabus:** While I plan to stick to the class schedule, there might be occasions to modify the schedule. In these cases, all changes will be announced via the university D2L system and e-mail. It is your responsibility to become aware of any such changes.

The syllabus, found on the last page of this document is a guide. Circumstances and events, such as student progress, may make it necessary for the professor to modify the syllabus during the semester. Any changes made to the syllabus will be announced in advance.

- **E-mail:** Routinely check your **Texas A&M University-Commerce** email account. This is my primary mechanism for communicating outside of the class and D2L. Additionally, I check my e- mail several times a day, so this is the best way to reach me. I strive to respond to any email within 24 hours (even if it just to acknowledge receipt of the email while I continue to work on the request

### ASSIGNMENTS:

**Format & Naming Convention:** Put your “LastnameFirstname” in the file name of all submitted documents. Example: “RaymondSteve\_Assignment\_1.docx”. All assignments should be submitted in D2L in MS Word, Excel, or PowerPoint or PDF format. Any assignment submitted in other formats will be returned.

**Due Dates & Times:** Assignments are due at and the **date** and **time** listed in D2L. You will have until **11:59 PM CST on the due date** to submit assignments.

**Assignments must be complete.** You must complete and submit all components at the specified due date and time to receive credit for the assignment. Please don’t turn in work that is incomplete. While the syllabus designates specific dates for which work is assigned, you do not have to wait until the “assigned” date to start working on it (or to turn it in). In other words, you can work at your own pace as long as you meet the due dates. I suggest you set a calendar of when to work on assignments based upon your schedule, how long it takes you to complete assignments, and the assignment due dates. Start working on each assignment as soon as you possibly can and make sure that you have the all assignments submitted by the specified due dates. I have outlined a “suggested” schedule that I think would help you maintain a good pace, but you don’t have to follow it. However, you **MUST** turn in all written assignments **ON TIME**. You will have until **11:59 PM Central**

Time to submit the work.

**Submitted assignments must be correctly formatted, written in English and free of grammatical and stylistic errors.** Students should have at least some skills with software for word processing, spreadsheets, databases, graphics, and presentations, and with web browsers and search engines. Spelling and grammatical errors will detract from your grade!

**Late Policy: This is a fast-paced course. Therefore, I will not accept late assignments. If you do not meet the deadline, you will receive a 0 for that assignment. I am strict on this policy because you are preparing to enter into either a corporate role or one of entrepreneurship, where you will be responsible for completing tasks for your manager or stakeholders, on time.**

***Make-up Exams or Late Assignments are only accepted if you obtain university approved documentation for your excuse. There are no make-up assignments for poor performance.***

### Grading & Assignments Chart

Assignment Weights	Value
Chapter Quizzes	30%
Discussion Threads	30%
Final Exam	40%
<b>Total</b>	100%

### Chapter Quizzes and Discussion Threads

These assignments are designed to give you practice working with Supply Chain Management skills in the areas of Supply Chain Inventory & Warehousing Concepts and then assessing your mastery of those skills. Discussions will be 37.5 points each, totaling 30% of your final grade. The discussion posts need to be more than just your opinion and should be reflective of the content studied. Your initial discussion response should be no less than two paragraphs, and you will be expected to respond to at least 2 of your colleagues posts. When responding to a discussion I expect more than “good post, I thought the same thing” or similar. I encourage you to challenge each other with questions or add to your colleagues’ posts with additional insight that you surmised. These discussions are not meant to be your opinion but a reflection of what was learned and how it is or could be applied in the given instance that is being discussed, thereby requiring some level of research to support your statement. The use of AI should not be used for discussions. I want you to perform the research and come to a conclusion on these relevant topics, not the thoughts of CHAT GPT. Quizzes will be 75 points each, totaling 30% of your final grade and questions will be extracted from the lectures and readings.

### Final Exam

The Final Exam will be a cumulative review of your knowledge regarding Supply Chain Inventory & Warehousing Concepts in a commercial or governmental product or services environment. The Final Exam will be 400 points, totaling 40% of your final grade.

## 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.

### Browser Support (Continued)

<b>Browser</b>	<b>Supported Browser Version(s)</b>	<b>Maintenance Browser Version(s)</b>
Microsoft® Edge	Latest	N/A
Microsoft® Internet Explorer®	N/A	11
Mozilla® Firefox®	Latest, ESR	N/A
Google® Chrome™	Latest	N/A
Apple® Safari®	Latest	N/A

### Mobile and Tablet Support

Device	Operating System	Browser	Supported Browser Version(s)
Android™	Android 4.4+	Chrome	Latest
Apple	iOS*	Safari, Chrome	version) and the previous major version of iOS (the latest minor or <b>point</b> release of that major version). For example, as of June 7, 2017, D2L supports iOS 10.3.2 and iOS 9.3.5, but not iOS 10.2.1, 9.0.2, or any other version.  Chrome: Latest version for the iOS browser.
Windows	Windows 10	Edge, Chrome , Firefox	Latest of all browsers, and Firefox ESR.

- You will need regular access to a computer with a broadband Internet connection. The minimum computer requirements are:
  - 512 MB of RAM, 1 GB or more preferred
  - Broadband connection required courses are heavily video intensive
  - Video display capable of high-color 16-bit display 1024 x 768 or higher resolution •
- You must have a:
  - Sound card, which is usually integrated into your desktop or laptop computer
  - Speakers or headphones.
  - \*For courses utilizing video-conferencing tools and/or an online proctoring solution, a webcam and microphone are required.
- Both versions of Java (32 bit and 64 bit) must be installed and up to date on your machine. At a minimum Java 7, update 51, is required to support the learning management system. The most current version of Java can be downloaded at: JAVA web site <http://www.java.com/en/download/manual.jsp>
- Current anti-virus software must be installed and kept up to date.

Running the browser check will ensure your internet browser is supported.

Pop-ups are allowed.

JavaScript is enabled.

Cookies are enabled.

- You will need some additional free software (plug-ins) for enhanced web browsing. Ensure that you download the free versions of the following software:
  - Adobe Reader <https://get.adobe.com/reader/>
  - Adobe Flash Player (version 17 or later) <https://get.adobe.com/flashplayer/>
  - Adobe Shockwave Player <https://get.adobe.com/shockwave/>
  - Apple Quick Time <http://www.apple.com/quicktime/download/>
- At a minimum, you must have Microsoft Office 2013, 2010, 2007 or Open Office. Microsoft Office is the standard office productivity software utilized by faculty, students, and staff. Microsoft Word is the standard word processing software, Microsoft Excel is the standard spreadsheet software, and Microsoft PowerPoint is the standard presentation software. Copying and pasting, along with attaching/uploading documents for assignment submission, will also be required. If you do not have Microsoft Office, you can check with the bookstore to see if they have any student copies.



## 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](mailto: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

- **Brightspace Support Need Help?:** Technical Support If you are having technical difficulty with any part of Brightspace, please contact Brightspace Technical Support at 1-877-325-7778 or click on the Live Chat or click on the words “click here” to submit an issue via email.
- **System Maintenance:** Please note that on the 4th Sunday of each month there will be System Maintenance which means the system will not be available 12 pm-6 am CST.
- **Student Support:** If you have any questions or are having difficulties with the course material, please email me and I will respond at my earliest convenience. Although I try to respond fairly quickly, within an hour or 2 there may be instances where I am unable to respond for 24-48 hours if requests are made outside of the core hours of 8am-5pm Monday through Friday.

## SCM343 COURSE ASSIGNMENTS / OUTLINE / CALENDAR

Week	Topic/Readings	Assignments Due 11:59 PM	Knowledge Assessment
8/26	<i>Class Introduction / Review Syllabus</i>  <i>Academic Honesty Statement and Discussion</i>	Due 9/1	Submit Academic Honesty Statement Discussion: Why is Academic Honesty Important?
9/2	<b>Module 1 –</b> Lecture: Introduction to Inventory Management Reading I: WSJ- Dick’s Sporting Goods, Macy’s Flash warning signs on U.S. consumer spending.	Due 9/8	Module 1 Discussion Thread closes 9/8
9/9	<b>Module 2 –</b> Introduction to Inventory Management (continued from week 2) Reading II: WSJ - The Panama Canal has become a traffic jam of the seas Reading III: Welcome to the “Now” Economy and Smart Warehouses	Due 9/15	Module 2 Quiz

9/16	<b>Module 3 –</b> Lecture: Inventory Management & Sales Forecasting	Due 9/22	Module 3 Discussion – Readings II & III
9/23	<b>Module 4 –</b> Reading IV: The Bullwhip effect on product orders and Inventory  Reading V: Forecasting Air Passengers numbers with a GVAR model	Due 9/29	Module 4 Discussion – Readings IV & V
9/30	<b>Module 5 –</b> Lecture: Materials Management & Handling	Due 10/6	Nothing due this week
10/7	<b>Module 6 –</b> Reading VI: Rise of the Warehouse Robots Reading VII: A discrete event simulation for coordinating inventory management and material handling in hospitals	Due 10/13	Module 6 Quiz
10/14	<b>Module 7 –</b> Lecture: Inventory Management- Materials Requirements Planning (MRP) & Enterprise Resource Planning (ERP)	Due 10/20	Module 7 Discussion - Readings VI & VII
10/21	<b>Module 8 –</b> Reading VIII: Enterprise Resource Planning (ERP) – A Brief History Reading IX: Using Ant Colony optimization for improving the execution of material requirements planning for smart manufacturing	Due 10/27	Module 8 Quiz
10/28	<b>Module 9 –</b> Lecture: Logistics & Transportation	Due 11/3	Module 9 Discussion – Readings VIII & IX
11/4	<b>Module 10 –</b> Reading X: WSJ – Amazon Restart Shipping Unit That competes with UPS and FedEx	Due 11/10	Module 10 Discussion Reading X
11/11	<b>Module 11 –</b> Lecture: Warehouse Management	Due 11/17	Module 11 Quiz
11/18	<b>Module 12 –</b> Reading XI: WSJ - Inside Walmart’s Warehouse of the Future Reading XII: The Future Warehouse. Are you Ready?	Due 11/24	Module 12 Discussion Thread closes 11/24
11/25	Thanksgiving Week  Finals Review	Due 12/1	Nothing due this week
12/2	<b>Finals Week</b>  <b>Final Exam</b>	Due 12/10	Exam Opens Wednesday, December 4th at 8 AM and Closes Tuesday, December 10th at 11:59 PM