

IME 783 SUPPLY CHAIN MANAGEMENT FALL 2023

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| Instructor: | Dr. M. Bayram Yildirim |
| Office Location: | Engineering Building 120 D |
| Telephone: | 316 978 3426 |
| Email: | bayram.yildirim@wichita.edu |
| Office Hours: | By appointment, W8-10am |
| Classroom; Days/Time: | No classroom time. Occasional video recordings and guest speakers. Please reserve M 7:00pm-9:30pm if you would like to attend virtually to the on campus business DS 865 supply chain management class lectures and speakers. |

How to use this syllabus

This syllabus provides you with information specific to this course, and it also provides information about important university policies. This document should be viewed as a course overview; it is not a contract and is subject to change as the semester evolves.

Course Description

Enables students to understand the characteristic elements of integrated business logistics and supply chain, the role and application of logistics principles to supply/demand/value chain management, the application of a selection of inventory management/aspects of strategic integrated logistics management and benchmarking, and global integrated logistics activities.

Pre-requisites

IME 553 or DS 350 or DS 850 or instructor's consent

Course Format:

Class is an online class, in which most of the learning will be on your own. You will have a weekly textbook and paper reading, discussion board, case study and term paper assignments.

Course-Specific Objectives

The overall goal of this course is to understand how logistical decisions impact the performance of the firm as well as the entire supply chain. The goal includes not only high-level concepts but also analytical tools necessary to solve supply chain problems. While the main key is to understand the link between supply chain structures and logistical capabilities in a firm or supply chain, we will focus on the following three key areas and their interrelationships:

- The strategic role of the supply chain,
- Key drivers of supply chain performance, and
- Analytical tools and techniques for supply chain analysis

In addition, objectives include

- Increasing the student's awareness knowledge in a selected area of interest by writing a high-quality paper in the field, and improving professional writing and presentation skills
- Improving the teamwork and discussion skills of the students, and

Required Texts/Readings

Textbook

Designing and Managing the Supply Chain - David Simchi-Levi, Philip Kaminsky, and Edith Simchi-Levi. Fourth edition

- McGraw Hill eBook Online Access 180 Days for Designing and Managing the Supply Chain: Concepts, Strategies and Case Studies - [9781264206605](https://www.mheducation.com/highered/home-guest.html) - \$55.00 <https://www.mheducation.com/highered/home-guest.html>
- McGraw Hill eBook Lifetime Online Access for Designing and Managing the Supply Chain: Concepts, Strategies and Case Studies - [9781264206629](https://www.mheducation.com/highered/home-guest.html) - \$92.00 <https://www.mheducation.com/highered/home-guest.html>

- <https://www.vitalsource.com/products/designing-and-managing-the-supply-chain-concepts-david-simchi-levi-v9781259997815>
- <https://www.amazon.com/Designing-Managing-Supply-Chain-Strategies/dp/1260084841>
- <https://www.amazon.com/CREATE-ONLY-Designing-Managing-Supply-Chain-ebook/dp/B09HBCJHLV/>

Other Readings

Case studies will be assigned through your book and Harvard Business School Case assignments. In addition, papers will be assigned and made available on the blackboard. Please purchase the Harvard Business Cases using the following link:

<https://hbsp.harvard.edu/import/1085760> (\$17)

Other Equipment/Materials

You will need to access to internet and computer for software, discussion board and homework.

Class Protocol

All classes will be virtual, i.e., there will be no in-person meeting. When emailing me, please place “IME 783” at the beginning of the subject line. This will aid me in responding to your email more quicker.

Topic Outline

1. Introduction to Supply Chain Management
2. Designing the Supply Chain Networks
3. Demand Forecasting and Aggregate Planning
4. Managing Inventories in Supply Chains
5. Sourcing and Transportation
6. Coordination, pricing and IT in Supply Chains

Outcomes Having completed the course, the student will be able to:

1. Understand the effect of the supply chain on business operations
2. Apply theory and practices to the design and management of supply chains
3. Understand basic supply network distribution models
5. Examine the impact of planning and inventories on supply chain networks
6. Understand the importance of transportation and logistics in the supply
7. Discuss the role of IT in the supply chain

Group Term Paper: Each group will propose a business plan and a supply chain plan for an idea that you will be given or developing. Detailed instructions will be available under the assignments tab.

Case Study Analysis:

Individual Case Study Reports: Each student will analyze 3 cases and for each case, prepare a two-page report submitted as a single word (or pdf) file so it can be safe-assigned (i.e., checked for plagiarism). The 2-page report includes

- A one-page executive summary: a third is a general information about the case, a third is problems that you have identified and a third is about how you would solve these problems.
- One page for your answers to the end of case study questions in a very specific format

The format of the submission is as follows: 1 inch margins, single space, and 12 pt Times New Roman. Two pages excluding the cover page.

Group Case Write-Up: Each group will be asked to perform an analysis on one case and prepare a written report of 9-10 pages providing a synopsis (summary) of the case, analyzing and identifying important issues related to the company, at minimum answering the questions at the end of the case study (which usually help you in understanding the case, and perform analysis) and also provide your own questions and answers to your questions. The format of the submission is as follows: 1 inch margins, single space, and 12 pt Times New Roman. Nine to ten pages excluding the cover page.

Contribution to group work

Individual grades for team exercises will be determined based on the contribution assessment distribution report by group members. Thus, your grade for a team/group assignment may be higher, the same, or lower than your group grade. The expectation is that each member will contribute with an equal effort to each assigned case. should include:

Exam: Students will have one take-home exam. The exam will cover all of the topics covered in this class including the textbook chapters, case studies, and the reading list.

Discussion Forums:

There are seven discussion board questions that you will need to address in addition to the very first discussion board post in which you will introduce yourself (so a total of eight discussion board homework). The length of your initial posting should be at least 250 words. This assignment also requires that you read the answers posted by your classmates and each week responds to at least two of those postings for each discussion board question. Each response should be at least 50 words long.

To post to the Discussion Board homework DB1..DB7, click on the Groups menu - "Group Discussion Board" area and then select the specific forum.

You must save all of your postings in a single word file, which you will upload after your last discussion board posting for plagiarism check.

Late Assignments: No late assignment is allowed.

Performance Evaluation: Your performance in this course will be evaluated based on the following graded activities. Please note that this is the tentative plan. We will discuss this plan during the first class and finalize the learning points:

| Component | Points |
|--------------------------|-------------------------|
| Exam | 400 |
| Group Case | 120 |
| Group Term Paper | 200 |
| Individual Case Write-Up | 3 cases*40 pts/case=120 |
| Discussion Forum | 8 DBs*20 pts/week =160 |
| Total | 1000 points |

Grading Scale

WSU uses a +/- grading scale for final grades and to calculate grade point averages. A tentative grading scheme is presented in the following table. Note that this grading scheme may change based on the performance of the class.

| Points/percentages, as the instructor chooses | Letter grade | Grade Points | Interpretation |
|---|--------------|--------------|--|
| $94\% \leq A$ | A | 4.00 | <i>The A range denotes excellent performance.</i> |
| $87\% \leq A- < 94\%$ | A- | 3.70 | |
| $83\% \leq B+ < 87\%$ | B+ | 3.30 | |
| $80\% \leq B < 83\%$ | B | 3.00 | <i>The B range denotes good performance.</i> |
| $77\% \leq B- < 80\%$ | B- | 2.70 | |
| $73\% \leq C+ < 77\%$ | C+ | 2.30 | |
| $70\% \leq C < 73\%$ | C | 2.00 | <i>The C range denotes satisfactory performance.</i> |
| $67\% \leq C- < 70\%$ | C- | 1.70 | |
| $63\% \leq D+ < 67\%$ | D+ | 1.30 | |
| $60\% \leq D < 63\%$ | D | 1.00 | <i>The D range denotes unsatisfactory performance.</i> |
| $57\% \leq D- < 60\%$ | D- | 0.70 | |
| $F < 57\%$ | F | 0.00 | <i>F denotes failing performance.</i> |

Incomplete (“I”) Grade

Like other grades, “I” is given at discretion of the course instructor. I will give an incomplete (“I”) grade only if you have been making satisfactory progress in a course except for work that could not be completed due to circumstances beyond your control (such as, illness, serious accident, death in family, natural disaster, etc.). You will be asked to produce evidence. If incomplete works due to these extraordinary events take place before the last date to withdraw, and can not be completed before the end of the semester, then you should withdraw from the course. I will not give “I” for you to leave early for the semester break. An incomplete for a course must be removed by the end of the next semester or the “I” will change to “F.”

Credit Hours:

Success in this 3 hour credit course is based on the expectation that students will spend, for each unit of credit, a minimum of 45 hours over the length of the course (normally 3 hours per week with 1 of the hours used for lecture) for instruction and preparation/ studying or course related activities for a total of 135 hours.

According to the U.S. Department of Education a "credit hour" is a measure of graduate or undergraduate academic work represented in intended learning outcomes and verified by evidence of student achievement that reasonably approximates not less than one hour of classroom or direct faculty instruction and a minimum of two hours of out-of-class student work for each week of instructional time for approximately 15 weeks for one semester, or an equivalent amount of work over a different amount of time. As an example, for a three-credit hour course, this translates to 135 hours of student work.

<http://webs.wichita.edu/?u=academicaffairs&p=/DefinitionAndAssignmentOfCreditHours/>

UNIVERSITY POLICIES

Academic Integrity

Students at Wichita State University are expected to uphold high academic standards. WSU will not tolerate a lack of academic integrity. Students are responsible for knowing and following the Student Code of Conduct

http://webs.wichita.edu/inaudit/ch8_05.htm and the Student Academic Honesty policy

http://webs.wichita.edu/inaudit/ch2_17.htm. When the faculty member determines sanctions are warranted for violations of academic integrity, regardless of severity, the faculty member must report the infraction to the Office of Student Conduct and Community Standards. If you need more information about the process or wish to appeal a decision, please visit

https://www.wichita.edu/about/student_conduct/ai.php

Students with Disabilities

If you are a student with a disability, or believe you might have a disability, which requires accommodations, please contact the Office of Disability Services (ODS) www.wichita.edu/ods to discuss reasonable and appropriate accommodations and eligibility requirements. It is the University’s goal that learning experiences be as accessible as possible. If you anticipate or experience physical or academic barriers based on disability ODS will review your concerns and determine, with you, what academic accommodations are necessary and appropriate for you. For example, adaptations of teaching methods, class materials or testing may be made on a case by case basis if warranted, as required by the Americans with Disabilities Act (ADA). All information and documentation of your disability is confidential and will not be released by ODS without your written permission.

Respect for Diversity

Wichita State University is committed to being an inclusive campus that reflects the evolving diversity of society. To further that goal, Wichita State University does not discriminate in its employment practices, educational programs or activities on the basis of age (40 years or older), ancestry, color, disability, gender, gender expression, gender identity, genetic information, marital status, national origin, political affiliation, pregnancy, race, religion, sex, sexual orientation, or status as a veteran. Retaliation against an individual filing or cooperating in a complaint process is also prohibited.

Students from all diverse backgrounds and perspectives are welcome in this Course and the diversity that students bring to this course should be viewed as a resource, strength and benefit. All materials and activities are presented with the intent to be respectful of diversity: gender, sexuality, disability, age, socioeconomic status, ethnicity, race, and culture. Your suggestions are encouraged and appreciated. Please let me know ways to improve the effectiveness of the course for you personally or for other students or student groups. In addition, if any of our class meetings conflict with your religious events, please let me know so that we can make arrangements for you.

Syllabus Policies and Student Resources

All students should familiarize themselves with the course-related policies and student resources that can be found at: www.wichita.edu/syllabuspolicies These include, but may not be limited to:

- COVID-19 Conditions
- Important Academic Dates
- Academic Integrity
- Definition of a credit hour
- Video and Audio recording
- Shocker Alert System
- Intellectual Property
- CARE Team
- Counseling and Prevention Services
- Student Health Services
- Heskett Center and Campus Recreation
- Inclusive Excellence and Respect for Diversity
- First Generation Students
- Names and Pronouns
- Disability Services
- Title IX
- Concealed Carry Policy