MGT 4820 - Supply Chain Management

Fall 2026 Syllabus, Section A01, CRN 43665,

Credit hours: 3

Instructor

Alina Marculetiu

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Public Instructor Information

Instructor Title: Dr. Alina Marculetiu
Instructor Professional Qualifications:

DBA, Operations and Supply Chain Management and Business Statistics, Cleveland State University
MBA, Finance, Cleveland State University
BBA, Business Economics, Cleveland State University
Six Sigma Green Belt, IISE

Instructor Office Location: WCBA 3308
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Course Description

4820. Supply Chain Management. This course examines supply chain processes and decisions that enable coordination across functions and partners to achieve global competitive advantage. Students engage in news discussions, experiential learning, and case analyses while building skills with quantitative and analytical tools (e.g., spreadsheets, dashboards, enterprise information systems) to support decision making. Some focus areas include coordination, forecasting, strategic sourcing and global strategy, transportation and logistics, risk and resilience, sustainability, and digital tools for visibility and decision-making. Students develop an appreciation for strong supply chain partnerships and teamwork, which are essential to responding to global challenges, navigating uncertainty, and driving performance. Prereq.: C or better in BUS 2600, 2.5 GPA. 3 s.h.

Course Readings

Group	Title	Author	ISBN
Required	Global Supply Chain Management (3rd ed.)	Reyes, Pedro M	978-1-939297-30-3
Required	The Egg Hunt: Scrambling for Alfredo Sauce Sourcing Options	Brockhaus and Marculetiu	N/A

Textbook notes:

- E-book ISBN 978-1-939297-29-7;
- Print ISBN 978-1-939297-30-3
- https://www.vitalsource.com/products/global-supply-chain-management-3e-pedro-m-reyes-v9781939297297

"The Egg Hunt" notes:

- Provided as a .pdf copy along with Module 4 (Sourcing) learning materials.
- Read it during the first week of class to familiarize yourself with supply chain challenges shared by a company located in Youngstown, OH. We will revisit it in detail during the sourcing module (Module 4).

Other Readings

- Additional readings, such as current news or research articles, are assigned or recommended within the modules' "Learning Materials" in Blackboard.

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

Tentative Course Schedule (Subject to Change) - All materials except the textbook can be accessed through our Blackboard (BB) course site

Week of	Reading(s)	Proposed Topic	Due/To Prepare for Class
8/24	Chapter 1: An Introduction to Global Supply Chain Management Chapter 2: Developing a Global Supply Chain Strategy Current Events and News articles (BB)	Inside the Chain: Creating Value and Taming Chaos instructional media: Play the Beer Game Simulation (BB) Watch Presentation Recordings and Posted YouTube Videos (BB) Review Course Project Milestone #6 for expected deliverables (BB)	Project Milestone #1 (DUE Thu., 8/27) Discussion/AI conversation, Assignment, Homework, and Quiz (Due Sun., 8/30)
8/31	Chapter 4 – Demand Planning (read up to and including page 99) Current Events and News articles (BB)	Storm-Proofing the Supply Chain: Associative Forecasting Edition Follow along with the practice run: walk-through a complete associative forecast case (BB) Review the section on interpreting Associative Forecasting/Regression output (BB)	Discussion/AI conversation, Assignment, Homework, and Quiz (Due Sun., 9/6) Project Milestone #2 (Due Sun., 9/6)
9/7	Chapter 4 – Demand Planning (starting with page 99) Chapter 3 – Sustainability Current Events and News articles (BB)	Time Series Forecasting and Sustainable Supply Chains Review the learning materials and follow along with the example walk-through recordings in BB	Discussion/AI conversation, Assignment, Homework, and Quiz (Due Sun., 9/13) Project Milestone #3 (Due Sun., 9/13)
9/14	Chapter 8 – Procurement and Purchasing Chapter 7 – Sourcing Case Study - The Egg Hunt (BB) Current Events and News articles (BB)	Sourcing Activity – Kraljic Matrix (BB) Review instructional media (BB)	Discussion/AI conversation, Assignment, Homework, and Quiz (Due Sun., 9/20) Project Milestone #4 (Due Sun., 9/20)
9/21	Chapter 14 – Transportation in a Supply Chain Current Events and News articles (BB)	Logistics and Transportation Review LinkedIn Learning and Instructional media in BB	Discussion/AI conversation, Homework, and Quiz (Due Sun., 9/27) Project Milestone #5 (Due Sun., 9/27)
9/28	Readings/links as posted in BB Current Events and News articles (BB)	Supply Chain Analytics Part 1 Review how to access and use Power BI (BB) Follow along with Power BI Supply Chain analytics exercise (BB)	Assignment, Homework, and Quiz (Due Sun., 10/4) Project Milestone #6 (Due Sun., 10/4)
10/5	Readings/links as posted in BB	Supply Chain Analytics Part 2	Project Milestone #7(A) (Due Thu., 10/8) Project Milestone #7(B) (Due Fri., 10/9) Assignment (Due Sun., 10/11)

The course schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances, by mutual agreement, and/or to ensure better learning.