

MGT 3789 - Operations Management

Fall 2026 Syllabus, Section 04, CRN 41027,

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 & 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

Instructor Office Phone: (330) 941-3509

Course Description

3789. Operations Management. Study of current operations management theories and practices with emphasis on direction, planning, and control of production systems. Includes detailed analysis in such areas as materials management, work measurement, quality control, scheduling, maintenance, and forecasting. Prereq.: BUS 2600, 2.5 GPA. 3 s.h.

Course Readings

Group	Title	Author	ISBN
Required	Operations and Supply Chain Management	Heizer, Render, and Munson	9780135350454
Required	The Goal	E. Goldratt and J. Cox	0884271951

Textbook notes:

- We will **not** use Pearson MyLab
- eTextBook ISBN: 9780135350515

"The Goal" notes:

- I have used loaner copies in my office, so please ask if you'd like to borrow a physical copy. Used copies are available online for under \$5. Most local libraries have audiobooks, eBooks, and physical copies free to borrow. Also, see the Blackboard folder named "**The Goal**" for recommended library links and reading schedules.
- Must use 2nd revised edition or newer

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)

Day	Date	Reading(s)	Proposed Topic	Due/To Prepare for Class
Mon	8/24	N/A Start reading The Goal - wait until the first class before purchasing; free borrowing options available	Syllabus and Getting to know each other	Getting to Know You Extra Credit (Due Aug. 31)



Wed	8/26	Chapter 11 - Supply Chain Management The Beer Game Instructions (in Blackboard)	Activity - DO NOT MISS CLASS Supply Chain Management	Chapter 11 Homework (Due Sep. 9)
Mon	8/31		Activity Debrief Supply Chain Management (continued)	
Wed	9/2	Chapter 1 - Operations and Productivity	Operations and Productivity	Chapter 1 Homework (Due Sep. 14)
Mon	9/7	No Class		
Wed	9/9		Operations and Productivity (continued)	
Mon	9/14	Chapter 3 - Project Management	Project Management	Chapter 3 Homework (Due Sep. 22)
Wed	9/16		Activity – DO NOT MISS CLASS Project Management (continued)	
Mon	9/21		Project Management (continued)	
Wed	9/23	EXAM #1	Exam #1 (Covers chapters 11, 1, and 3)	
Mon	9/28	Chapter 4 - Forecasting	Exam 1 discussion Forecasting	Chapter 4 Homework (Due Oct. 12)
Wed	9/30		Forecasting (continued)	
Mon	10/5		Forecasting (continued)	
Wed	10/7	THE GOAL QUIZ Chapter 6 - Managing Quality Supplement 6 - Statistical Process Control	Quiz Managing Quality and Statistical Process Control (SPC)	Chapter 6 + S6 Homework (Due Oct. 21)
Mon	10/12		Managing Quality and SPC (continued)	
Wed	10/14		Activity - DO NOT MISS CLASS Managing Quality and SPC (continued)	Best Practice + Company Selection diue (Oct. 16)
Mon	10/19		Managing Quality and SPC (continued)	
Wed	10/21	Supplement 5 - Sustainability in the Supply Chain	Designing Goods and Services for Sustainability	Supplement 5 (S5) Homework (Due Oct. 25)
Mon	10/26	EXAM #2	Exam #2 (Covers chapters 4, 6, S6, and S5)	
Wed	10/28	Chapter 16 - Lean Operations	Exam 2 discussion Lean Operations	Chapter 16 Homework (Due Nov. 9)
Mon	11/2		Activity – DO NOT MISS CLASS Lean Operations (continued)	
Wed	11/4		Activity debrief Lean Operations (continued)	
Mon	11/9	Chapter 12 - Inventory	Inventory	Chapter 12 Homework (Due Nov. 23)
Wed	11/11	No Class		
Mon	11/16		Inventory (continued)	
Wed	11/18	Chapter 14 - Material Requirements Planning (MRP) and Enterprise Resource Planning (ERP)	Inventory (continued) MRP and ERP	Chapter 14 Homework (Due Dec. 2)
Mon	11/23		MRP and ERP (continued)	
Wed	11/25	No Class		
Mon	11/30		MRP and ERP (continued)	
Wed	12/2		Best Practice Team Presentations	PowerPoint Presentation (Due before class, Dec. 2) All other Team Project Materials (Due Dec. 4)
Mon	12/7	EXAM #3	Exam #3/Final Exam (Covers chapters 16, 12, and 14)	Scheduled for 12/7 between 10:30 am - 12:30 pm In our classroom
Wed	12/9	No Class		

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.