

Production and Operations Management (BMGT 1331)



CREDIT

3 Semester Credit Hours (3 hours lecture, 0 hours lab)

MODE OF INSTRUCTION

Online

PREREQUISITE/CO-REQUISITE:

None

COURSE DESCRIPTION

Fundamentals of techniques used in the practice of production and operations management. Includes location, design, and resource allocation.

COURSE OBJECTIVES

Upon completion of this course, the student will be able to:

- Identify factors of warehousing and design, resource allocation, and equipment selection and utilization.
- Use planning, scheduling, inventory management, and quality control techniques.

INSTRUCTOR CONTACT INFORMATION

Instructor:	Taylor Powell
Email:	tetrahan@lit.edu
Office Phone:	(409) 247-4995
Office Location:	Virtual Office
Office Hours:	TR: 8:00-9:00*
	*By appointment as needed

REQUIRED TEXTBOOK AND MATERIALS

Bowersox, Donald J., et al. *Supply Chain Logistics Management*. McGraw Hill, 2024.
(ISBN: 9781266821691)

PARTICIPATION POLICY

This is a fully online class. Students are expected to access the course 3 times each week to maintain workload.

DROP POLICY

If you wish to drop a course, you are responsible for initiating and completing the drop process. If you stop coming to class and fail to drop the course, you will earn an "F" in the course.

Important Drop Dates

Last Day to Drop with Refund	2/4/2026
Last Day to Pay Tuition to Avoid Drop	2/16/2026
Last Day to Drop without Academic Penalty	2/20/2026
Last Day to Drop with Academic Penalty	4/13/2026

COURSE CALENDAR (Subject to Change if necessary)

DATE	TOPIC	READINGS	ASSIGNMENTS (Due on this Date)
Week 1 1/20-1/25	Syllabus/Introduction to Class	Syllabus	Introduce Yourself & OM Prep (1/25/2026)
Week 2 1/26-2/1	21 st – Century Supply Chains	Chapter 1	Chapter 1 Homework (2/1/2026)
Week 3 2/2-2/8	Supply Chain Information Technology	Chapter 2	Chapter 2 Homework (2/8/2026)
Week 4 2/9-2/15	Logistics	Chapter 3	Chapter 3 Homework (2/15/2026)
Test	Test 1	Chapters 1-3	(2/15/2026)
Week 5 2/16-2/22	Customer Accommodation	Chapter 4	Chapter 4 Homework (2/22/2026)
Week 6 2/23-3/1	Integrated Operations Planning	Chapter 5	Chapter 5 Homework (3/1/2026)
Week 7 3/2-3/8	Procurement and Manufacturing	Chapter 6	Chapter 6 Homework (3/8/2026)
Test	Test 2	Chapter 4-6	(3/8/2026)
SPRING BREAK (3/9 – 3/13)			
Week 9 3/16-3/22	Inventory & Transportation	Chapter 7-8	Chapter 7 & 8 Homework (3/22/26)
Week 10 3/23-3/29	Warehousing, Materials Handling, and Packaging	Chapter 9	Chapter 9 Homework (3/29/26)
Week 11 3/30-4/5	Global Supply Chains	Chapter 10	Chapter 10 Homework (4/5/2026)
Test	Test 3	Chapter 7-10	(4/5/2026)
Week 12 4/6-4/12	Network Design	Chapter 11	Chapter 11 Homework (4/12/2026)
Week 13 4/13-4/19	Relationship Management	Chapter 12	Chapter 12 Homework (4/19/2026)
Week 14 4/20-4/26	Performance Measurement	Chapter 13	Chapter 13 Homework (4/26/2026)
Week 15 4/27-5/3	Supply Chain Trends	Chapter 14	Chapter 14 Homework (5/3/2026)
Test	Test 4	Chapter 11-14	(5/3/2026)
Week 16 5/3-5/6	Final Exam Review	All Chapters	Final Exam (5/12/2026)

COURSE EVALUATION

Final grades will be calculated according to the following criteria:

- Chapter Assignments, Cases, Quizzes 25%
- Tests (4) 30%
- Application-Based Activities 20%
- Final Exam 25%

GRADE SCALE

- 90-100 A
- 80-89 B
- 70-79 C
- 60-69 D
- 0-59 F

TECHNICAL REQUIREMENTS

For the latest technical requirements, including hardware, compatible browsers, operating systems, etc., review the Minimum Computer and Equipment Requirements on the [LIT Online Experience](#) page. A functional broadband internet connection, such as DSL, cable, or Wi-Fi is necessary to maximize the use of online technology and resources.

DISABILITIES STATEMENT

The Americans with Disabilities Act of 1990 and Section 504 of the Rehabilitation Act of 1973 are federal anti-discrimination statutes that provide comprehensive civil rights for persons with disabilities. LIT provides reasonable accommodations as defined in the Rehabilitation Act of 1973, Section 504 and the Americans with Disabilities Act of 1990, to students with a diagnosed disability. The Special Populations Office is located in the Eagles' Nest Room 129 and helps foster a supportive and inclusive educational environment by maintaining partnerships with faculty and staff, as well as promoting awareness among all members of the Lamar Institute of Technology community. If you believe you have a disability requiring an accommodation, please contact the Special Populations Coordinator at (409)-951-5708 or email specialpopulations@lit.edu. You may also visit the online resource at [Special Populations - Lamar Institute of Technology \(lit.edu\)](#).

STUDENT CODE OF CONDUCT STATEMENT

It is the responsibility of all registered Lamar Institute of Technology students to access, read, understand and abide by all published policies, regulations, and procedures listed in the *LIT Catalog and Student Handbook*. The *LIT Catalog and Student Handbook* may be accessed at www.lit.edu. Please note that the online version of the *LIT Catalog and Student Handbook* supersedes all other versions of the same document.

ARTIFICIAL INTELLIGENCE STATEMENT

Lamar Institute of Technology (LIT) recognizes the recent advances in Artificial Intelligence (AI), such as ChatGPT, have changed the landscape of many career disciplines and will impact many students in and out of the classroom. To prepare students for their selected careers, LIT desires

to guide students in the ethical use of these technologies and incorporate AI into classroom instruction and assignments appropriately. Appropriate use of these technologies is at the discretion of the instructor. Students are reminded that all submitted work must be their own original work unless otherwise specified. Students should contact their instructor with any questions as to the acceptable use of AI/ChatGPT in their courses

STARFISH

LIT utilizes an early alert system called Starfish. Throughout the semester, you may receive emails from Starfish regarding your course grades, attendance, or academic performance. Faculty members record student attendance, raise flags and kudos to express concern or give praise, and you can make an appointment with faculty and staff all through the Starfish home page. You can also login to Blackboard or MyLIT and click on the Starfish link to view academic alerts and detailed information. It is the responsibility of the student to pay attention to these emails and information in Starfish and consider taking the recommended actions. Starfish is used to help you be a successful student at LIT.

ADDITIONAL COURSE POLICIES/INFORMATION

1. Email is the preferred method of communication (scjoiner@lit.edu). Please do not use Blackboard Messages. I do not get a notification that you sent a message and may not see it for days. I will respond to emails within 48 hours except on weekends and holidays.
2. A grade of 'C' or better must be earned in this course for credit towards degree requirement.
3. All assignments are due on the dates indicated in Blackboard. Any late work will receive a thirty-point deduction. After a week, you will receive a zero.
4. Tests are assigned a due date and must be completed by that date. Tests will not be reactivated after the due date.
5. All assignments must be submitted via Blackboard unless specified by your instructor. Assignments submitted through any other method will receive a "0".
6. Grades for assignments may be accessed through Gradebook in Blackboard. Each assignment shows your grade and any grading comments made on your assignment.
7. All assignments must be turned in before the final exam.
8. Assignments should be graded within a week of the due date.