

0201B300P

Operations Management

Instructor: TBA

Time: December 21, 2026 - January 8, 2027

Office Hours: by appointment

Contact Hours: 60 (50 minutes each)

Level: Postgraduate

Credits: 4

E-mail: TBA

Course Description

This course explores core operations management principles and their application across business functions. Key topics cover the design and management of production systems, addressing productivity, operational strategy, capacity planning, facility location and layout, resource management, just-in-time systems, materials requirement planning, and project management. Upon completion, students will be able to analyze operational challenges, formulate data-driven solutions, and evaluate the strategic role of operations within supply chain management.

Required Textbook(s)

Reading materials will be provided by the course instructor.

Course Goals

At the end of the course the student will be able to:

- Articulate the strategic role of operations management in creating competitive advantage for both manufacturing and service organizations.
- Analyze the integration of operations with other core business functions and its impact on organizational performance.
- Evaluate and apply key operations management tools and techniques for data-driven decision-making and process improvement.
- Assess the transformative impact of digital technologies on operations and supply chain systems.
- Critically examine the principles of Total Quality Management and their application for enhancing quality and productivity.

Course Schedule

Please note that the schedule is meant to give an overview of the major concepts of this course. Changes may occur in this calendar as needed to aid in the student's development.

Week 1

- Course Introduction
- Chapter 1 The Operations Function
- Chapter 2 Operations and Supply Chain Strategy
- Chapter 3 Product Design
- Chapter 4 Process Selection
- Chapter 5 Service Delivery System Design
- Quiz 1
- Assignment 1

Week 2

- Chapter 6 Process-Flow Analysis
- Chapter 7 Lean Thinking and Lean Systems
- Chapter 8 Managing Quality
- Chapter 9 Quality Control and Improvement
- Chapter 10 Forecasting
- Assignment 2
- Midterm Exam

Week 3

- Chapter 11 Capacity Planning
- Chapter 12 Scheduling Operations
- Chapter 13 Project Planning and Scheduling
- Chapter 14 Independent Demand Inventory
- Chapter 15 Materials Requirements Planning and ERP
- Chapter 16 Supply Chain Management
- Project
- Final Exam

Grading Policy

Quizzes:	20%
Exams:	40%
Project:	20%
<u>Assignments:</u>	<u>20%</u>
Total	100%

Homework Assignments

There will be homework assignments. Each homework assignment will be designed to promote class preparedness, provide learning reinforcement, and extend the knowledge students have gained in class and from readings.

Quiz

There will be a quiz. The quiz will help with the preparation for the exams.

Project

Students will be required to complete a detailed report on a selected topic of this course. Topics will be agreed upon during the second week of class. Students may choose their topics, but it is best to check with the professor if in doubt about any topic.

Midterm Exam

There will be a midterm exam, which will cover the first half of the course materials. The midterm exam will be held on the second week.

Final Exam

There will be a final exam held on the last week, which will cover the entire course material.

Grading Scale

The instructor will use the grading system as applied by JNU:

Definition	Letter Grade	Score
Excellent	A	90~100
Good	B	80~89
Satisfactory	C	70~79
Poor	D	60~69
Failed	E	Below 60

Academic Integrity

As members of the Jinan University academic community, students are expected to be honest in all of their academic coursework and activities. Academic dishonesty, includes (but is not limited to) cheating on assignments or examinations; plagiarizing, i.e., misrepresenting as one's own work any work done by another; submitting the same paper, or a substantially similar paper, to meet the requirements of more than

one course without the approval and consent of the instructors concerned; or sabotaging other students' work within these general definitions. Instructors, however, determine what constitutes academic misconduct in the courses they teach. Students found guilty of academic misconduct in any portion of the academic work face penalties that range from the lowering of their course grade to awarding a grade of E for the entire course.