

Identification	Subject	MGT 443 Operations Management– 3KU credits (6 ECTS)	
	Department	Economics and Management	
	Program	Undergraduate	
	Term	Fall 2026	
	Instructor	Khumar Huseynova	
	Email	khumar.huseynova@khazar.org	
	Classroom/hours		
Prerequisites	MGT 305 Management		
Language	English		
Compulsory/Elective	Compulsory		
Textbooks and course materials	<i>Principles of Operations Management, Sustainability and Supply Chain by Jay Heither, Barry Render, Chuck Munson 14th edition, 2023</i>		
Course outline	This course is designed for Bachelor students. Examines problems encountered in planning, operating, and controlling production of goods and services. Topics include quality assurance, production systems, project management, and inventory management, forecasting and capacity management, computer and quantitative models used in formulating managerial problems.		
Course objectives	Generic Objective of the Course: ▪ To provide students with the core concepts, methods and techniques of operations management Specific Objectives of the Course: ▪ Introduction to operations management through global environment and Operations strategy, managing projects and forecasting demand ▪ To learn methods and tools to design operations ▪ Acquire some practical skills and managerial way of thinking of managing operations		
Learning outcomes	Desired learning outcomes will be: Throughout the course, students will be exposed to several key concepts and theories of the operations management. Learners will be able to define operational management by learning, for example, main distinctions between goods and services, production and productivity, identify mission and strategy of the course by getting the knowledge about three strategic approaches to competitive advantage and four global operation strategies. For scheduling projects students will be introduced Gantt chart and draw AOA and AON networks, which gives opportunities to complete the project at a certain date. By taking the course learners will understand production processes, product life cycle, product structure and international quality standards. Students will also get a grasp of important components of forecasting, such as methods and models applied to get the results for the future dates. Furthermore, making location decisions will also be introduced, which helps to identify the best location for service or industrial sector by using several methods and analyzing factors that affect it. Finally, students will obtain key aspects of supply-chain management and inventory management, aggregate planning using linear programming and strategy making in OM.		
Teaching methods	Case analysis/ Exercises/Assignments		X
	Group discussion		X
	Lecture		X
Evaluation Criteria	Methods	Date/deadlines	Percentage (%)
	Midterm Exam	TBA	35
	Attendance		5
	Activity		5
	Group projects		20
	Final Exam	TBA	35
	Total points		100

Policy		Activity and attendance – Mark will be evaluated based on the participation discipline in the classes and how active you interact during the lecture. Students exceeding the 25% absence limit will not be allowed to participate at final exam Use of AI – Permitted for partial use only. You may use it to better understand the topic, map out the structure, and brainstorm ideas for your group project. Group projects – Group project will be hold among small groups within the course participants. Aim of the project 1 to increase internal communication and team spirit. Project 2 is aimed to contribute to the students Financial Literacy. Case presentations and discussions A student will have a case to study and present with his analysis and comments. Midterm Exam (Exam will include problem solutions and open questions) Final Exam (Exam will include problem solutions and open questions)	
Tentative Schedule			
Week	Date/Day	Topics	Textbook/Assignments
1	15/09/2026	Introduction to the Course. Operations and productivity.	Ch. 1
2	22/09/2026	Operations strategy in a Global Environment.	Ch. 2 Exercise & Case study
3	29/09/2026	Project Management.	Ch.3 Exercise & Case study
4	06/10/2026	Forecasting.	Ch.4 Exercise & Case study
5	13/10/2026	Design of Goods and Services S5. Sustainability.	Ch. 5 Exercise & Case study
6	20/10/2026	Managing Quality. S6. Statistical Process Control	Chs.6 Exercise & Case study
7	27/10/2026	Process Strategy. S7Capacity and Constraint Management.	Chs.7 Exercise & Case study
8	03/11/2026	Mid-term Exam	Ch. 8 Exercise & Case study
9	10/11/2026	Location strategy	Ch. 8 Exercise & Case study
	17/11/2026	Layout Strategies.	Ch. 9 Exercise & Case study
10	24/11/2026	Human Resources, Job Design, and Work Measurement.	Ch. 10 Exercise & Case study
11	01/12/2026	Supply-Chain Management. Supply Chain Management Analytics	Ch. 11 Exercise & Case study
12	08/12/2026	Inventory Management; Just-in-Time, TPS, and Lean Operations/	Ch. 12, Ch16 Exercise & Case study
13	15/12/2026	Aggregate Planning and S&OP	Ch. 13 Exercise & Case study
14	22/12/2026	Short-Term Scheduling Ch.15, Ch.16 Material Requirements Planning (MRP) and ERP	Ch. 15 Exercise & Case study
15	29/12/2026	Maintenance and Reliability. Case presentation	Ch. 17 Exercise & Case study
		Final Exam	