

Identification	Subject	MGT 850 Operations Management and Logistics, 3KU credits (6 ECTS)	
	Department	Economics and Management	
	Program	Graduate	
	Term	Fall 2025	
	Instructor	PhD Aziz Nuriyev	
	E-mail	aziz.nuriyev@khazar.org	
	Classroom/hours		
Prerequisites	ECON 830 Managerial Economics		
Language	English		
Compulsory/Elective	Elective		
Textbooks and course materials	Textbooks: <i>Principles of Operations Management: Sustainability and Supply Chain Management, Jay Heizer, Barry Render and Chuck Munson, 11th edition, 2020, Pearson</i> <i>Jay Heizer, Barry Render and Chuck Munson Principles of Operations Management, 12th edition, 2016 (or later). ISBN-10: 1292148632 ISBN-13 : 9781292148632</i> Supplementary materials: Book handouts cases		
Course outline	This course provides MBA students with an in-depth understanding of the principles and practices of operations management and their strategic role in organizations. It examines the processes by which goods and services are planned, produced, and delivered, with emphasis on quality assurance, forecasting, capacity planning, production systems, inventory management, and project management. Students will learn to apply computer-based tools and quantitative models to analyze managerial problems and make effective decisions. Through case studies, simulations, and real-world examples, the course highlights how well-designed operations support competitiveness, efficiency, and long-term organizational success.		
Course objectives	The Course objective is to provide students with concepts, techniques, and tools to design, analyze, and improve the operational capabilities of an organization. In this course, the students will learn operations management applications to production and service-based operations through class-based simulations and, if possible, by means of individual/group-based projects. Successful completion of this course will empower the student to implement the concepts he or she learned in their place of business. Even if the student does not plan to work in operations, every department of every company has processes that must be completed; someone showing an interest or who is savvy with operations management will be able to improve just about any process!		
Learning Outcomes	Upon successful completion of this course, my fellow students should be able to: - Explain the role of operations and their relationship with the other functional areas of a business organization. - Analyze operation processes from a variety of perspectives such as productivity, workflow, and quality. - Apply design principles to determine appropriate facility location and layout. - Explain quality management and apply quality management principles to continuous improvement in operations management. - Discuss the goal of Supply Chain Management and its application in a variety of organizational settings. - Identify the critical factors involved in inventory control systems; and - Identify the operational processes in the student’s own organization.		
Teaching methods	Case analysis		X
	Group discussion		X
	Experiential online simulation Classes		X
	Lecture		X
	Others (Factory visits if possible)		X
Evaluation Criteria	Methods	Date/deadlines	Percentage (%)

	Midterm Exam		30
	Class assignments		10
	Presentation/project		10
	Quiz		10
	Final Exam	TBD	40
	Total		100

Policy	<p><u>Academic Integrity</u> Every student is expected to familiarize himself or herself with the academic honesty policy of Khazar University. Any evidence of cheating and/or plagiarism will result in a full grade reduction per the university guidelines. As defined by dictionary.com: Plagiarism is an act or instance of using or closely imitating the language and thoughts of another author without authorization and the representation of that author's work as one's own, as by not crediting the original author:</p> <p><u>Grading and Class Requirements</u> Attendance is mandatory for everyone. Students may not miss more than one session; in this case, the instructor should be notified about the student's absence beforehand (not less than 24 hours before the class). Tardiness—Students submitting assignments beyond deadlines will lose points. Please don't expect the instructor to entertain email or OR MS TEAMS personal chat requests for increasing points not deserved. Mistakes in counting points will, however, be entertained.</p> <p>Quizzes: The quizzes might be made of multiple-choice questions, true/false questions and short open questions. The questions will cover the subjects learned.</p> <p>Case analysis. The cases will be provided during the lesson and will focus on the taught material</p> <p>(1) Attendance is mandatory and will be recorded 10 minutes into the beginning of every class. Some topics not covered in the textbook will be introduced in lectures to help better understand the subject. This may be asked during the exams.</p> <p>(2) Secondly, experience suggests that comprehension of course material and exam performance is directly proportional to efforts of students who regularly attend, are attentive and participate during lectures. Students who found talking incessantly or disrupting the class with unnecessary comments will be given 2 warnings after which they will be politely asked to leave the class and may lose one point (per event) under the category 'Class participation'.</p> <p>(3) Thirdly, participation during lecture promotes lively discussion and benefits the entire class, including the lecturer him/herself. Since the teaching medium is English, all students are expected to continuously develop their knowledge and abilities in writing and conversing in English for this subject.</p> <p><i>(4) Lastly, MBA students as they are expected to write and think in English.</i></p>		
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Week	Dates (tentative)	Topics	Textbook/Assignments
1		Introduction to the Course. Operations and productivity.	Ch.1
2		Operations strategy in a Global Environment.	Ch2
3		Project Management	Ch 3

4		Forecasting.	Ch4
5		Forecasting. Quiz 1.	Ch4
6		Design of Goods and Services S5. Sustainability.	Ch.5/ Supplement 5
7		Quiz 2. Managing Quality.	Ch.6
8		Process Strategy - Capacity and Constraint Management.	Ch.7 Supplement 7
9		Midterm	
10		Location Decisions	Ch.8
11		Location Decisions	Ch. 8
12		Quiz 3 Human Resources, Job Design, and Work Measurement.	Ch.10
13		Supply-Chain Management. Supply Chain Management Analytics	Ch.11, Supplement 11
14		Inventory Management; Just-in-Time, TPS, and Lean Operations	Ch.12, Ch16
15		Quiz 4. Review class. Case presentations and discussions	
16		Final exam	