Identification	**Subject**	**MGT 443 Operations Management– 3KU credits (6 ECTS)**
	Program	Undergraduate
	Department	Economics and Management
	Term	Fall 2024
	Instructor	Khumar Huseynova
	E-mail	khumar.huseynova@khazar.org
	Classroom/hours	41 Mehseti street (Neftchilar campus), Khazar University, Tuesday, 18:30-21:00
	Office hours	By appointment
Prerequisites	**MGT 305** Management	
Language	English	
Compulsory/Elective	Compulsory	
Textbooks and course materials	Principles of Operations Management, Sustainability and Supply Chain by Jay Heither, Barry Render, Chuck Munson 14th edition, 2023	
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**	x
	Group discussion	x
	Experiential exercise	x
	Lecture	x

Evaluation	Methods	Date/deadlines	Percentage (%)
	Midterm Exam	**TBA**	30
	Attendance		5
	Activity		5
	Case presentations and discussions (cases from chapters)	30.12.2024	5
	Project 1	During the semester	10
	Project 2	During the semester	10
	Final Exam	**TBA**	35
	Total		100

Policy	
	Midterm Exam (*Exam will include problem solutions and open questions)* **Activity (**Students should participate in class activities such as problem solutions) A student has to be attentive and participate in class discussions **Attendance** A student has to have an open camera during online classes. Otherwise, he/she will not be considered in the class **Case presentations and discussions** A student will have a case to study and present with his analysis and comments **Project 1** aims at developing the students` general knowledge as future operations managers. They will be involved to attend short courses in edu.e-cbar.az. **Project 2** aims to develop team spirit, project management and time management of future operations managers via interesting events. **Final Exam (***Exam will include problem solutions and open questions)*

Week	Date/Day	Topics	Assignments
1	17 09.2024	Introduction to the Course. Operations and productivity.	Ch.1
2	24.09.2024	Operations strategy in a Global Environment.	Ch2
3	01.10.2024	Project Management.	Ch.3
4	08.10.2024	Forecasting.	Ch4
5	15.10.2024	Design of Goods and Services S5. Sustainability.	Ch.5/Supplement 5
6	22.10.2024	Managing Quality. S6. Statistical Process Control	Ch.6 Supplement 6
7	29.10.2024	Process Strategy. S7Capacity and Constraint Management.	Ch.7 Supplement 7
8	05.11.2024	Layout Strategies.	Ch.9
9	12.11.2024	**Mid-term**	
10	19.11.2024	Human Resources, Job Design, and Work Measurement.	Ch.10
11	26.12.2024	Supply-Chain Management. Supply Chain Management Analytics	Ch.11, Supplement 11
12	03.12.2024	Inventory Management; Just-in-Time, TPS, and Lean Operations/	Ch.12, Ch16

13	10.12.2024	Aggregate Planning and S&OP	Ch.13 Ch. 14
14	17.09.2024	Short-Term Scheduling Material Requirements Planning (MRP) and ERP	Ch.15, Ch.16
15	24.12.2024	Maintenance and Reliability. **Case presentation**	Ch.17
16		**Final exam**	