

<b>Identification</b>	<b>Department</b>	Economics and Management		
	<b>Program</b>	Undergraduate		
	<b>Subject</b>	MGT 440 – Production and Operations Management– 3KU credits (6 ECTS credits)		
	<b>Term</b>	Fall 2019		
	<b>Instructor</b>	Khumar Huseynova, khumar.huseynova@khazar.org		
	<b>Classroom/hours</b>	Monday, Tuesday 18:30-21:00 40 Mehseti street (Neftchilar campus), Khazar University, room 303N		
<b>Prerequisites</b>	MGT 310 Management and Organization			
<b>Language</b>	English			
<b>Compulsory/Elective</b>	Compulsory			
<b>Text books and course materials</b>	Principles of Operations Management, Sustainability and Supply Chain by Jay Heither, Barry Render, Chuck Munson 12th edition Pearson (earlier editions 10th edition and 9th edition Prentice Hall 2013)			
<b>Course</b>	The course is designed to integrate face-to- face actions. All course related materials including, but not limited to, syllabus, supplementary readings, course announcements, cases and assignments will be provided.			
<b>Teaching methods</b>	<b>Case analysis</b>		x	
	<b>Group discussion</b>		x	
	<b>Experiential exercise</b>		x	
	<b>Lecture</b>		x	
	<b>Course paper</b>			
	<b>Others</b>			
<b>Evaluation Criteria</b>		<b>Methods</b>	<b>Date/deadlines</b>	<b>Percentage (%)</b>
		<b>Midterm Exam</b> ( <i>Exam will include problem solutions and open questions</i> )	11.11.2019 12.11.2019	30
		<b>Activity</b> (Students should participate in class activities such as problem solutions and discussions)		5
		<b>Case presentations and discussions: In each class 3 -4 students will present and discuss cases, ethical dilemmas and OM actions from the planned Chapter.</b>  <b>5 points for presentation and 10 points for discussion and analysis.</b>	At the end of every lesson	5 (presentation)+ 10 (discussion and analysis)
		<b>Attendance</b>		5
		<b>Home Assignment To solve problems from each planned chapter.</b>		10
		<b>Final Exam</b> ( <i>Exam will include problem solutions and open questions</i> )		35
		<b>Total</b>		100
<b>Course objectives</b>	<p><i>Generic Objective of the Course:</i></p> <ul style="list-style-type: none"> <li>▪ To provide students with the core concepts, methods and techniques of operations management</li> </ul> <p><i>Specific Objectives of the Course:</i></p> <ul style="list-style-type: none"> <li>▪ Introduction to operations management through global environment and Operations strategy, managing projects and forecasting demand</li> <li>▪ To learn methods and tools to design operations</li> <li>▪ Acquire some practical skills and managerial way of thinking of managing operations</li> <li>▪ Gain three hours of credit towards graduation.</li> </ul>			
<b>Course outline</b>	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.			

<b>Learning outcomes</b>	<p>Desired learning outcomes will be:</p> <p>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.</p>
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<b>Week</b>	<b>Date/Day</b>	<b>Topics</b>	<b>Assignments</b>
1	16.09.2019 17.09.2019	Introduction to the Course. Operations and productivity.	Ch.1
2	23.09.2019 24.09.2019	Operations strategy in a Global Environment.	Ch2
3	30.09.2019 01.10.2019	Project Management.	Ch.3
4	07.10.2019 08.10.2019	Forecasting.	Ch4
5	14.10.2019 15.10.2019	Design of Goods and Services S5. Sustainability.	Ch.5/ Supplement 5
6	21.10.2019 22.10.2019	Managing Quality. S6. Statistical Process Control	Ch.6 Supplement 6
7	28.10.2019 29.10.2019	Process Strategy. S7Capacity and Constraint Management.	Ch.7 Supplement 7
8	04.11.2019 05.11.2019	Layout Strategies.	Ch.9
9	11.11.2019 12.11.2019	<b>Mid-term</b>	
10	18.11.2019 19.11.2019	Human Resources, Job Design, and Work Measurement.	Ch.10
11	25.11.2019 26.11.2019	Supply-Chain Management. Supply Chain Management Analytics	Ch.11, Supplement 11
12	02.12.2019 03.12.2019	Inventory Management; Just-in-Time, TPS, and Lean Operations/ <b>Assignment</b>	Ch.12, Ch16
13	09.12.2019	Aggregate Planning and S&OP	Ch.13 Ch. 14

	10.12.2019		
14	16.12.2019 17.12.2019	Short-Term Scheduling Material Requirements Planning (MRP) and ERP	Ch.15, Ch.16
15	23.12.2019 24.12.2019	Maintenance and Reliability.	Ch.17
16	30.12.2019	Review class	
17		<b>Final exam</b>	