ÇAĞ ÜNİVERSİTESİ
ÇAĞ UNIVERSITY

SYLLABUS

Faculty of Economics & Administrative Sciences

Course Code	Course Title	Credits	ECTS Value
MAN 319	Production Management	3 (3-0-3)	6

Prerequisite Courses:	None		
Course Language:	English	**Course Delivery Mode:**	**Face-to-face**
Course Type and Level:	Compulsory / 3rd Year / Fall Semester		

Instructor's Title, Name, and Surname	Course Hours	Office Hours	Contact
Assist. Prof. Dr. Hazal Ezgi Mutlu	Tuesday 10:15 – 12:35	Wednesday 13:30 – 15:30	**hazalezgiozbek@cag.edu.tr**

Course Coordinator:	

Course Objectives: The aim is to enable students to comprehend the fundamental principles of managing production and service operations and to develop their skills in solving various decision-making problems.

Course Learning Outcomes	Upon successful completion of this course, the student will be able to;	Relations	
		Program Outcomes	Net Contribution
1	Analyze the role of Production/Operations Management in business	3	5
2	Recognize the nature of the problems in operations management	2	5
3	Discover the source of the fundamental problems and analyze these problems	3	5
4	Recognize the interdependencies between decisions	5&7	5&4
5	Recognize techniques in production management and know how the successful manager uses these techniques	9&10	5&4

Course Content:	Considers the productive system of an enterprise whereby inputs of technology, materials, personnel, and information are transformed into useful goods and/or services. Introduces the types of problems and issues encountered by the operations manager. Discusses various models and techniques but emphasizes problem formulation and managerial implications. Understand techniques in POM and know how the successful operations manager uses these techniques. During the semester, numerous handouts will be distributed.

Course Schedule (Weekly Plan)

Week	Topic	Preparation	Teaching Methods and Techniques
1	Introduction & Why study Production Management?	Read introductory chapters on production management	Lecture, discussion, visual examples
2	Role of OM in an organization, Process Strategy and Analysis	Read production process types	Lecture, discussion, visual examples
3	Understanding Facility Location Strategies	Read about major location selection factors	Lecture, discussion, visual examples
4	Facility Location Strategies (Methods)	Review location methods (break-even analysis, center of gravity etc.)	Lecture and location methods exercises
5	Facility Layout Strategies	Review the key concepts and calculation (cycle	Lecture and location methods exercises

		time, no. of Workstation, etc.)	
6	Managing Customer Demand and Forecasting	Review basic forecasting methods (Naive, moving average, etc.)	Lecture and forecasting exercises
7	Review	Preparation for Midterm exam	Q&A sessiomn and exercises
8	Midterm Exam		
9	Midterm Exam		
10	Understanding Managing Customer Demand and Forecasting (Methods)	Comparing qualitative and Quantitative techniques	Lecture and forecasting exercises
11	Operations Planning and Scheduling	Review basic concepts of scheduling such as sequencing rules (FCFS)	Lecture and scheduling exercises
12	Operations Planning and Scheduling (Methods)	Review scheduling methods such as Johnson's Rule	Lecture and scheduling exercises
13	Inventory Management and Models	Review key concepts of Inventory and models (computing economic order quantity)	Lecture, discussion, visual examples and exercises
14	Decision Theory and Decision Making Tools	Review key concepts of decision theory and tools	Lecture, discussion, visual examples and exercises
15	Case studies in OM	Read new trends and global emerging field in operations management	Lecture, discussion, visual examples
16	Review	Prepare for final exam	Q&A session and discussion
17	Final Exam		
18	Final Exam		

Course Resources

Textbook:	(1) Krajewski, L., Malhorta, M. & Ritzman, L. (2016) Operations Management: Processes and Supply Chains, 11th Edition, Pearson. (2) Heizer, J., Render, B. & Munson, C. (2017) Operations Management: Sustainability and Supply Chain Management, 12th Edition, Pearson
Recommended References:	Lecture notes prepared by the lecturer.

Course Assessment and Evaluation

Activities	Number	Percentile	Notes
Midterm Exam	1	30%	Written exam
Assignment	4	20%	Individual homework
Final	1	50%	Written exam

ECTS Table

Content	Number	Hours	Total
Course Duration	**14**	**3**	42
Out-of-Class Study	**14**	**3**	42
Assignment	**4**	**10**	40
Midterm Exam (Midterm Exam Duration +	**1**	**20**	20

Midterm Exam Preparation)			
Final Exam (Final Exam Duration + Final Exam Preparation)	**1**	**30**	30
		Total:	174
		Total / 30:	174/30
		ECTS Credit:	5,8 = 6

Past Term Achievements