

School of Business and Management Sciences / Management Information Systems (English)

2023 - 2024 Academic Year

PRODUCTION MANAGEMENT

Syllabus

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
PRODUCTION MANAGEMENT	MIS3253310	Spring Semester	3+0	3	5
Prerequisites Courses					
Recommended Elective Courses					
Language of Instruction	English				
Course Level	First Cycle (Bachelor's Degree)				
Course Type	Elective				
Course Coordinator	Assist.Prof. Gonca Reyhan AKKARTAL				
Name of Lecturer(s)	Assoc.Prof. Tutku TUNCALI YAMAN				
Assistant(s)					
Aim	The aim of this course to get students Production and Operations Management's Production / operation, all companies have the function of bringing solutions to the problems in detail to give students the approaches and applications.				
Course Content	This course contains; Historical Evolution of Operations Management, Historical Evolution of Operations Management, Strategic Decisions in Operations Management, Strategic Decisions in Operations Management, Inventory Control, Inventory Control, Capacity Planning, Capacity Planning, Material Requirement Planning, Material Requirement Planning, Just in Time Production, Just in Time Production, Just in Time Production and Material Requirement Planning Integration, Just in Time Production and Material Requirement Planning Integration.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
1.0. Will be able to create quality control charts.			10, 16, 9	A	
1.1. Explains quality control processes			10, 16, 9	A	
1.2. Explains quality management policy and applications			10, 16, 9	A	
2.0. Will be able to apply employee programming process			10, 16, 9	A	
2.1. Explains resource and machine planning and programming processes			10, 16, 9	A	
2.2. Explains production planning processes			10, 16, 9	A	
3.0. Will be able to explain types of capacity and calculate the capacity usage ratios			10, 16, 9	A	
3.1. Explains concept of capacity and capacity policy			10, 16, 9	A	
3.2. Discusses types of production processes and process planning			10, 16, 9	A	
4.0. Will be able to examine the product design process			10, 16, 9	A	
4.1. Evaluate strategic developments affecting production management			10, 16, 9	A	
4.2. Determine the stratejik decisions in operations management			10, 16, 9	A	
5.0. Will be able to explains the concepts of efficiency, productivity and quality in production.			10, 16, 9	A	
5.1. Explains the function of production management in the business			10, 16, 9	A	
5.2. Explains the risks of the production concept.			10, 16, 9	A	
Teaching Methods	10: Discussion Method, 16: Question - Answer Technique, 9: Lecture Method				
Assessment Methods	A: Traditional Written Exam				
Lecture Schedule					
Sequenc e	Topics	Preliminary Preparation			
1	Historical Evolution of Operations Management				
2	Historical Evolution of Operations Management				
3	Strategic Decisions in Operations Management				
4	Strategic Decisions in Operations Management				
5	Inventory Control				
6	Inventory Control				
7	Capacity Planning				
8	Capacity Planning				
9	Material Requirement Planning				
10	Material Requirement Planning				
11	Just in Time Production				
12	Just in Time Production				
13	Just in Time Production and Material Requirement Planning Integration				
14	Just in Time Production and Material Requirement Planning Integration				
Evaluation Methods		Weight(%)			
Midterm Exam		40			
General Exam		60			

Resources

Operations Management
 Managing Global Supply Chains
 By Ray R. Venkataraman, Jeffrey K. Pinto · 2018
 2. Operations Management; 2009. Jay Heizer, Barry Render. ISBN-13: 978-0-13-602567-6. 9th Edition. Pearson Prentice Hall.