ÇANKAYA UNIVERSITY
Faculty of Economics and Administrative Sciences
Course Definition Form

Part I. Basic Course Information

Department Name	MANAGEMENT					**Dept. Numeric Code**	3 2
Course Code	M A N 2 0 6	**Number of Weekly Lecture Hours**	3	**Number of Weekly Lab/Tutorial Hours**	0	**Number of Credit Hours**	3
Course Web Site	**http:// man206.cankaya.edu.tr**					**ECTS Credit**	0 5

Course Name and Other Course Information *This information will appear in the printed catalogs and on the web online catalog.*	
English Name	Operations Management
Turkish Name	Faaliyetler yönetimi
Mode of Delivery	Face to Face
Language of Instruction	English

Course Description
Provide a brief overview of what is covered during the semester. This information will appear in the printed catalogs and on the web online catalog. Maximum 60 words.

This course introduces various managerial problems encountered in design, planning and control of production and service systems. Topics covered are: competitiveness and productivity; location planning and analysis; forecasting; inventory management; ABC analysis; aggregate planning; inventory policies – MRP & JIT systems; capacity planning; layout planning; operations scheduling.

Prerequisites (if any) *Give course codes and check all that are applicable.*	1st	2nd	3rd	4th
	☐ Consent of the Instructor	☐ Senior Standing	☐ Give others, if any.	
Co-requisites (if any)	1st	2nd	3rd	4th
Course Type *Check all that are applicable*	☒ Must course for dept.	☐ Must course for other dept.(s)	☐ Elective course for dept.	☐ Elective course for other dept.(s)

Part II. Detailed Course Information

Course Objectives
Maximum 100 words.

Objectives of this course are:

To provide students with fundamental insights across a spectrum of operations management activities,
To emphasize a variety of tools and techniques useful in achieving successful operations management,
To allow students to see the applications of theories to gain a broader view of operations management,
To have the students understand the problems faced by an operations manager.
To expose the students to the use of the computer packages in solving various operational problems such as forecasting, inventory management, materials requirement planning, operations scheduling, etc.

Learning Outcomes
Explain the learning outcomes of the course. Maximum 10 items.

After the completion of this course, it is expected that the student should:

1. Acquire an overall view of the managerial decisions in the major areas of operations management,
2. Gain fundamental insights across a spectrum of operations management activities,
3. Be able to utilize a variety of tools and techniques useful in achieving successful operations management,
4. Be able to interpret the results of operations management related problems in organizations,
5. Understand the problems faced by an operations manager,
6. Gain managerial insights from the models of operational problems discussed,
7. Be able to use computer packages in solving various operational problems such as forecasting, inventory management, materials requirement planning, scheduling, etc.

Textbook(s)
List the textbook(s), if any, and other related main course material.

Author(s)	Title	Publisher	Publication Year	ISBN
William J. Stevenson	Operations Management, 13th Edition	Mc Graw Hill	2018	1260401227

Reference Books
List, if any, other reference books to be used as supplementary material.

Author(s)	Title	Publisher	Publication Year	ISBN
Joseph S. Martinich	Production and Operations Management	John Wiley & Son	1996	0471546321
Roberta S. Russel and Bernard W. Taylor	Operations Management, 7th edition	John Wiley & Son	2011	0470525908

Teaching Policy
Explain how you will organize the course (lectures, laboratories, tutorials, studio work, seminars, etc.)

A variety of teaching methods are used including lectures, in-class exercises, homeworks, readings and class discussion of important issues. A cooperative, student-centered learning is utilized to reach a high level of student involvement.

Laboratory/Studio Work
Give the number of laboratory/studio hours required per week, if any, to do supervised laboratory/studio work and list the names of the laboratories/studios in which these sessions will be conducted.

N/A

Computer Usage
Briefly describe the computer usage and the hardware/software requirements for the course.

Various mathematical programming solvers and spread sheet tools.

Course Outline
List the weekly topics to be covered.

Week	Topic(s)
1	Introduction to Operations Management
2	Competitiveness and Productivity
3	Location Planning and Analysis
4	Forecasting
5	Forecasting
6	Inventory Management
7	Midterm exam
8	Inventory Management
9	Aggregate Planning
10	MRP and JIT Systems
11	Capacity Planning
12	Layout Planning
13	Operations Scheduling
14	Review for Final Exam

Grading Policy
List the assessment tools and their percentages that may give an idea about their relative importance to the end-of-semester grade.

Assessment Tool	Quantity	Percentage	Assessment Tool	Quantity	Percentage	Assessment Tool	Quantity	Percentage
Midterm Exam	1	30						
Attendance	13	10						
Homework	2	20						
Final exam	1	40						

ECTS Workload
List all the activities considered under the ECTS.

Activity	Quantity	Duration (hours)	Total Workload (hours)
Attending Lectures (*weekly basis*)	14	3	42
Attending Labs/Recitations (*weekly basis*)			
Compilation and finalization of course/lecture notes (*weekly basis*)	14	1	14
Collection and selection of relevant material (*once*)	1	3	3
Self study of relevant material (*weekly basis*)	14	3	42
Take-home assignments	2	5	10
Preparation for quizzes			
Preparation for mid-term exams (*including the duration of the exams*)	1	10	10
Preparation of term paper/case-study report (*including oral presentation*)			
Preparation of term project/field study report (*including oral presentation*)			
Preparation for final exam (*including the duration of the exam*)	1	10	10
		TOTAL WORKLOAD / 25	131/25=5.24
		ECTS Credit	**5**

Program Qualifications vs. Learning Outcomes *Consider the program qualifications given below as determined in terms of learning outcomes and acquisition of capabilities for all the courses in the curriculum. Look at the learning outcomes of this course given above. Relate these two using the Likert Scale by marking with X in one of the five choices at the right.*

No	Program Qualifications	Contribution				
		0	1	2	3	4
1	Acquire detailed knowledge concerning the economic and legal environment in which the business entities operate.		x			
2	Have profound theoretical background knowledge in basic business functions comprising finance, marketing, and production and operations management.					x
3	Obtain basic and intermediate level knowledge in quantitative techniques and methods that are predominantly used in business and management.					x
4	Have more specific knowledge in one of the business functions (including the mastery of quantitative approaches) that he/she has chosen to specialize.		x			
5	Be able to apply the professional knowledge necessary to establish and/or run a business, or a department within a business entity.					x
6	Be able to collect, edit, analyze, and interpret the representative data by applying both qualitative and quantitative methods in order to identify and clearly define the business problems and to develop insight and solutions.					x
7	Be able to adequately communicate upon analyses, findings, inferences, and recommendations with his/her superiors, team members, colleagues, and subordinates both in written and oral form.		x			
8	Be thereby qualified to conduct research in business administration and management.			x		
9	Be appropriately trained to fulfill his/her responsibilities in team work both as a leader and an expert.			x		
10	Acquire the necessary skills to communicate effectively with the stakeholders of an organization so that he/she can become capable of analyzing the needs of the stakeholders and based on these analyses developing the objectives of the organization.			x		
11	Gain self-evaluation skills to identify exactly his/her self-learning and self-improvement needs, being at the same time equipped with the capacity to follow advanced courses and degree studies.		x			
12	Gain the ability to evaluate the organization that he/she is affiliated with and the ability to assess the knowledge that he/she has acquired in a critical perspective.		x			
13	Be inclined to encourage innovation and continuous improvement within the organization in which he/she takes responsibilities.			x		

Scale for contribution to a qualification: **0**-none, **1**-little, **2**-moderate, **3**-considerable, **4**-highest