



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	-
		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.

The topics that are covered in this course are: productivity and efficiency; data envelopment analysis; aggregate production planning; inventory management – deterministic models; newsboy problem; inventory policies; ABC analysis; MRP & JIT systems; capacity planning decisions; facilities location and layout planning; project scheduling - Gantt Charts, CPM, PERT; operations scheduling.

Prerequisites (if any) <i>Give course codes and check all that are applicable.</i>	1 st	2 nd	3 rd	4 th
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	<input type="checkbox"/> Consent of the Instructor	<input type="checkbox"/> Senior Standing	<input type="checkbox"/> Give others, if any. <div style="border: 1px solid black; width: 150px; height: 20px;"></div>	
Co-requisites (if any)	1 st	2 nd	3 rd	4 th
	<div style="border: 1px solid black; height: 20px; width: 100%;"></div>	<div style="border: 1px solid black; height: 20px; width: 100%;"></div>	<div style="border: 1px solid black; height: 20px; width: 100%;"></div>	<div style="border: 1px solid black; height: 20px; width: 100%;"></div>
Course Type <i>Check all that are applicable</i>	<input checked="" type="checkbox"/> Must course for dept. <input type="checkbox"/> Must course for other dept.(s) <input type="checkbox"/> Elective course for dept. <input type="checkbox"/> Elective course for other dept.(s)			

Part II. Detailed Course Information**Course Objectives***Maximum 100 words.*

Provide students with fundamental insights across a spectrum of operations management activities.
 Emphasize a variety of tools and techniques useful in achieving successful operations management.
 Allow students to see the applications of theories to gain a broader view of operations management.
 Have the students understand the problems faced by an operations manager.
 Expose the students to the use of the computer packages in solving various operational problems such as forecasting, scheduling, queuing systems, inventory management, materials requirement planning, 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 will:

1. Acquire an overall view of the decision-making process relating to 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 operations systems discussed,
7. Be able to use computer packages in solving various operational problems such as forecasting, scheduling, queuing systems, inventory management, materials requirement planning, etc.

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

Author(s)	Title	Publisher	Publication Year	ISBN
W. J. Stevenson	Operations Management	Mc Graw Hill Irwin	2007	0-007-366112-0

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

Author(s)	Title	Publisher	Publication Year	ISBN
J. S. Martinich	Production and Operations Management	John Wiley & Sons, Inc.	1997	0-471-54632-1
R. S. Russel and B. W. Taylor	Operations Management	Prentice Hall, Inc	2000	0-13-013092-3

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

A variety of teaching approaches are used including lectures, in-class exercises, homework, case analysis, 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, Excel.

Course Outline

List the weekly topics to be covered.

Week	Topic(s)
1	Introduction to Operations Management
2	Productivity and Efficiency
3	Data Envelopment Analysis
4	Aggregate Production Planning
5	Inventory Management: EOQ, POQ
6	Inventory Management: Dynamic Lot-sizing, Newsboy-Problem
7	Midterm exam
8	MRP systems
9	JIT System
10	Facility Location Analysis
11	Facility Layout Planning
12	Project Management
13	CPM and PERT
14	Review

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	13%						
Homework	1	7%						
Final Exam	1	50%						

ECTS Workload

List all the activities considered under the ECTS.

Activity	Quantity	Duration (hours)	Total Workload (hours)
Attending Lectures (<i>weekly basis</i>)	14	3	42
Attending Labs/Recitations (<i>weekly basis</i>)	-	-	-
Compilation and finalization of course/lecture notes (<i>weekly basis</i>)	14	1	14
Collection and selection of relevant material (<i>once</i>)	1	3	3
Self study of relevant material (<i>weekly basis</i>)	14	3	42
Take-home assignments	1	10	10
Preparation for quizzes	-	-	-
Preparation for mid-term exams (<i>including the duration of the exams</i>)	1	10	10
Preparation of term paper/case-study report (<i>including oral presentation</i>)	-	-	-

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