

# ÇANKAYA UNIVERSITY

FACULTY OF ECONOMICS AND ADMINISTRATIVE SCIENCES

## Department of Management

MAN 206

Operations Management

Spring 2019

## COURSE SYLLABUS



Course Code : MAN 206

Credit Hours : (3 0 3) 5

Students : MAN Semester : Spring '19

Course Title : Operations Management

Pre-requisites : --

Year : 2 Section : 01, 02

Instructor:

Assistant Prof. Dr. Nureddin KIRKAVAK

Office No: Engineering Faculty, L - 318 Office Tel: (+90312) 233 1376 E-mail: [kirkavak@cankaya.edu.tr](mailto:kirkavak@cankaya.edu.tr)

Research Assistant:

To be announced later.

**Catalog Data:** 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.

**Course Outline:** The following topics will be covered:

- Introduction to Operations Management
- Competitiveness and Productivity
- Location Planning and Analysis
- Forecasting
- Forecasting
- Inventory Management
- Midterm exam
- Inventory Management
- Aggregate Planning
- MRP and JIT Systems
- Capacity Planning
- Layout Planning
- Operations Scheduling
- Review for Final Exam

**Textbook:** The course is based around the following textbook:

- William J. Stevenson, Operations Management, 13th Edition, Mc Graw Hill, 2018. ISBN 1260401227

**References:** The following useful reference books are available in the University Library:

- Joseph S. Martinich, Production and Operations Management, John Wiley & Son, 1996. ISBN 0471546321
- Roberta S. Russel and Bernard W. Taylor, Operations Management, 7th edition, John Wiley & Son, 2011. ISBN 0470525908

**Teaching Method:**

Teaching will be based on enabling the students to understand the concepts and procedures in each topic section and to be able to apply them. A variety of teaching methods are to be used including lectures, in-class exercises, home works, readings and class discussion of important issues. A cooperative, student-centered learning is utilized to reach a high level of student involvement.

**Lectures:**

In lectures the instructor will attempt to summarize and explain only selected important concepts and points as clearly as possible. To be familiar with the material presented in lectures and participate in class discussions,

students are expected to read the material covered in the previous lectures prior to the class meeting. Students will then find the lectures more interesting, and will benefit from the discussion if they come well prepared.

**Home Work Study:** Students should form groups of at most **4 students** in order to perform homework study in order to answer the assigned questions or solve the assigned problems.

**Exams:** All examinations will be based on lectures. To pass these exams students will need to have studied the material well in advance in order to understand the concepts, procedures and techniques. To discourage last minute cramming, the instructor and the assistants will not answer any questions from students on the day of an examination. Descriptions of these examinations are as follows:

Midterm Exam: There will be one midterm examination that covers all the material up to the date of the examination.

Final Exam: The Final Examination will cover all the material studied throughout the semester and has the same structure as in the midterm examination.

**Note: The students need a calculator so they should bring their own calculators to all lecture/exam hours.**

**Make-up Exam:** Make-up examination will only be offered (at the end of the semester) to students who missed the **final examination or midterm exam** and provided adequate documentations for the reason of their absence.

**Attendance:** With a minimum of 45% attendance is necessary and it will be taken every lecture and tutorial/lab session. Without considering whether the students that satisfy or does not satisfy this minimum attendance requirement all students may enter the final exam.

**Academic Dishonesty:** Any act not suitable for a university student will not be tolerated and may lead to formal disciplinary action. Example of this are: getting someone else to take the examinations for you, misrepresentation of your own answer sheet as another's work, cheating, knowingly assisting other students to cheat, abusing the tolerance or breaking the discipline of the class.

**Grading Policy:** Although the student's overall grade will be based on the general assessment of the instructor, the following percentages may give an idea about the relative importance of various assessment tools.

Home Work	20 %
Midterm Exam	30 %
Final Exam	40 %
<u>Attendance</u>	<u>10 %</u>
TOTAL	100 points

Note that the instructor reserves the right to modify these percentages in case he finds it necessary. Letter grade equivalents of numerical performances will be announced by the Registrar's Office after the last day for the submission of letter grades.

**NA Grading: Conditions that might lead to "NA" grade:**

1. Not attending **both Final Exam and Midterm Exam or their Make-up Exams without a valid excuse.**
2. **having an overall grading either "FF" or "FD" and the overall attendance to lectures/tutorials/labs/etc. less than 45%.**