

Department of Economics

ECO 318 Management Science

Spring 2007

Instructor: Ashok Mehrotra
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Office Hours: Available before or after
The class by appointment.

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Text Book: Operations Management for Competitive Advantage by F. Robert Jacobs, Richard B Chase
And Nicholas J Aquilano (11th Edition)

Class Grade:

This course fulfills both the QR and the Speaking requirements for the General Education skill requirements. Consequently, we will be using computers extensively in this course and several speeches will be required. These speeches will focus on examples of the management science techniques learned in the class. Most specific information will be distributed after the course begins.

Management Science is not just a random collection of quantitative techniques. The goal of this course is to help you understand how to formulate a systematic approach to solve many seemingly different types of problems.

Grading and Class Policies:

The distribution of points is listed below:

Speeches	30%
Homework	10%
Tests (3)	60%

Each test will be weighted 20%. The final will not be cumulative but will reflect the course material not covered in the previous two tests. You will be using the computerized management science program during class time. The Standard grading distribution will be used.

90-100	4
80-89	3
65-79	2
50-64	1
<50	0

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SYLLABUS

Date	Topic	Chapter
9/8	Strategy	1 and 2
9/22	Project Management	3
10/6	Test 1 and Strategic Capacity Management	11
10/20	Manufacturing Processes & Service Processes	6 and 7
11/3	Six Sigma Quality & Strategic Sourcing	8 and 10
11/17	Test 2 and Lean Manufacturing	12
12/1	Forecasting & Inventory Management	13 and 15
12/8	MPR and Final Exam	16