

Dillard College of Business Administration

Syllabus: Operations Management.

MGMT 3453. (on-line)

Dillard Building

Contact Information

Instructor: Dr. Mike Patterson, Professor of Management

Office: DB 203

Office hours: TTh 9:30 a.m.-11:00 a.m., W 9-11:00 a.m.

Office phone: (940) 397-4710

E-mail: mike.patterson@msutexas.edu

Course Materials

Jacobs and Chase, Operations and Supply Management, 15th ed., McGraw-Hill, ISBN: 9781259666100. Recommended.

Patterson, Management Science Programs for the IBM Personal Computer, 3rd ed., Kendall-Hunt Publishing, ISBN: 0-7872-6792-9. Required

Course Description

Study of concepts, issues and techniques for systems of production. Development of a basic understanding of the manufacturing function in industry.

Course Prerequisites

Junior or Senior standing or consent of Department Chair

MATH 1203 or MATH 1233

Learning Goals

I. General Learning Goals:

- Students will practice problem solving and decision-making skills during in-class discussion. Assessment will occur on both homework assignments and course examinations.
- Demonstrate a broad understanding of the functional areas of a business entity.
- Develop analytical and critical thinking skills.

These general learning goals are among those established by the Dillard College of Business Administration. General learning goals represent the skills that graduates will carry with them into their careers. While assessing student performance in obtaining these general learning goals, the Dillard College is assessing its programs. The assessments assist us as we improve our curriculum and curriculum delivery.

Grading and Evaluation:

Homework Problems - Each is a requirement of the class. You are required to complete 12 of the 17 assignments. Each homework assignment must be turned in on time. All homework is due in two weeks of the completion of lectures (one week for summer semester) related to the homework topics, with the exception of homework assigned at the end of the semester. Due dates for end-of-semester homework will be announced. A one-point deduction from the semester average will be calculated at the end of the semester for each missing or late homework assignment.

Grades will be determined on the basis of the total points earned on four 100-point exams, and the 100-point comprehensive final and any missing or late homework assignments. A calculator may be allowed for the exams and quizzes. The calculator must be a regular hand-held calculator or the desktop calculator for on-line exams.

Letter grades will be given according to the following scale:

- A 450-500 points
- B 400-449 points
- C 350-399 points
- D 300-349 points
- F below 300 points

The results of your exams and homework will be posted periodically on D2L.
Semester grades will be reported through normal University channels with no exceptions.

Course Content and Outline	Class Sessions(Hrs.)	Text Chapters
1. Nature of Operations Management	2	2
A. Functions of Business		
B. Current Issues in Operations		
2. Cost Volume Profit Analysis	3	pp. 153-155
A. Fixed Cost		Appendix C
B. Variable Cost		
C. Revenue		
D. Break Even Analysis		
Exam 1 09/13/2022)		
3. Capacity Planning	3	5

Course Content and Outline	Class Sessions(Hrs.)	Text Chapters
A. EOQ		
B. Quantity Discounts		
C. Investment Considerations		
D. Simulation of Inventory		
12. Material Requirements Planning	2	21
A. MRP I and MRPII		
B. Inventory Transactions		
C. Planning Systems		
Exam # 4 (11/22/2022)		
13. Just-In-time	1	7,14
A. Planning under a JIT Environment		
B. Push vs. Pull Systems		
C. Management Philosophy		
14. Quality Movement	1	12
Total Quality Management		
Final Examination 12/03/2022)		

Homework Documents

You are provided with a set of blank documents for homework.

If you lose your homework copies, these may be downloaded from the computer lab server on drive

Y:\coursework\MikePatterson\homeworkdocuments\opshomeworkmaster.doc

And also on D2L.

Homework assignments should be e-mailed to my graduate assistant at the following e-mail address: patterson.homework@msutexas.edu

Management Science Programs for the IBM Personal Computer
Found in Dillard Computer Labs –Y drive, Mike Patterson
mgmtsci.exe

Can be purchased from Midwestern Book Store or on-line from

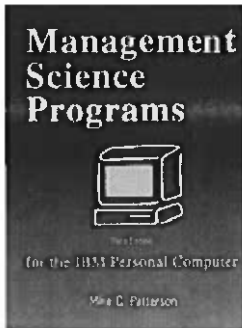


FIGURE 1

<https://he.kendallhunt.com/product/management-science-programs-ibm-personal-computer>

How to hide unhide files

<https://www.technipages.com/show-hidden-files-windows>

Campus Carry Statement:

Senate Bill 11 Handgun Policy -Senate Bill 11 passed by the 84th Texas Legislature allows licensed handgun holders to carry concealed handguns on campus, effective August 1, 2016. Areas excluded from licensed concealed carry are appropriately marked, in accordance with state law (Penal Code 30.06 signage). Please note, open carry of handguns, whether licensed or not, and the carrying of all other firearms (rifles, shotguns, etc.), whether open or concealed, are prohibited on campus. For more information regarding campus carry, please refer to the University's webpage at: Campus Carry.