



PRODUCTION MANAGEMENT

COURSE SYLLABUS

Spring, 2014 – Wednesday (12:30 – 15:15)

Instructor: Mihajlo Radojkovic

Course No: BA 215

Semester: Spring 2014

Credits: 3 Units = 45 Lecture Hours

Office Hours: After class or on request

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Course Description:

A study of operational systems, models and techniques related to production planning and control, methods analysis, cost effectiveness inventory management, work scheduling, wage determination and general organization analysis.

Prerequisite: MATH 10

Course Objectives:

The course objectives are the following:

1. Educate students in the main principles and concepts of production and operations management in both manufacturing and service organizations,
2. Familiarize students with modern systems and approaches of managing operations in these organizations,
3. Motivate and train students to apply various quantitative and qualitative methods of managing operations.

Course Description:

Production/operations management encompasses the integration of numerous activities and processes to create products and services in a highly competitive global environment. Many companies have experienced a decline in market share as a result of their inability to compete on the basis of product design, cost or quality. Most now agree that world class performance in operations, i.e., in product design, manufacturing, engineering and distribution, is essential for competitive success and long term survival. This course considers the operations from a managerial perspective. We will consider key performance measures of operations

(productivity, quality and response time) as well as important concepts for improving the performance of operations along these dimensions. At the end of the course students will have a fair understanding of the role Production/Operations Management plays in business processes. Emphasis is given both to familiarization of various production processes and service systems, and to quantitative analysis of problems arising in the management of operations.

Textbook Required:

Operations Management, 11th Edition, William J. Stevenson; McGraw-Hill
 ISBN 13: [9780073525259](https://www.mhhe.com/stevenson/9780073525259)

Attendance:

Students are expected to attend each class. This is a highly interactive learning environment and all students will participate in class discussions, research findings, and class exercises. If a student cannot attend the class he should notify the instructor prior to his absence.

Grading Policy:

<i>Grade Structure</i>	<i>Points</i>
Team Presentation + Team Evaluation	20
Attendance	5
Participation in Class	5
Midterm	30
Final Exam	40
Total Points	100

Grades will be awarded accordingly:

<i>Points Received</i>	<i>Grade</i>
95 – 100; 89 – 94	A; A-
83 – 88; 78 – 82; 72 – 77;	B+; B; B-;
67 – 71; 61 – 66; 55 – 60;	C+; C; C-
51 – 54;	D
<50	F

Exams:

We will have two exams: midterm and final exam during the course. Exams will cover all assigned chapters, any additional readings or supplementary materials covered in class. The exams are not "open book" or "open notes". Students for whom English is not a first language may use a dictionary during exams.

1. Week – Introduction	(a) Ch1: Scope of Operations Management (b) Ch2: Strategy and Productivity
2. Week	Ch3: Forecasting
3. Week	Ch4: Product design
4. Week	Ch5: Capacity planning
5. Week	Ch6: Process selection and facility layout
6. Week	Ch9: Management of quality
7. Week	Ch10: Quality control
8. Week	Ch11: Master Scheduling
9. Week	Spring Break - No class
10. Week	Midterm
11. Week	Ch13: Inventory management
12. Week	Ch11: Aggregate planning
13. Week	(a) Ch12: MRP and ERP (b) Ch14: JIT and lean operations
14. Week	Ch15: Supply Chain Management
15. Week	Ch16: Scheduling
16. Week	Final Exam

***NOTE:** This schedule may be subject to change.*

Last updated: 1/17/2014