

University Mohamed Kheider
Biskra

Course Syllabus

Faculty of Economics, Commerce and Management
Department of Management Sciences

Course: Production and Operations Management

Second Semester, 2022/2023

Pr. Abdennacer Moussi

Course Description:

Along with marketing and finance, production and operations management is one of the three fundamental functions of all businesses. *Production and Operations management* refers to the process by which an organization converts inputs (e.g. labor, material, knowledge, equipment) into outputs (goods and services) for both its external and internal markets. The set of interrelated management activities, which are involved in manufacturing certain products, is called as production management. If the same concept is extended to services management, then the corresponding set of management activities is called as *Production and Operations Management* or *operations management*. *Operations Management* involves the planning, coordinating, and executing of all activities that create goods and/or services.

Course objectives:

Production and Operations is one of the primary functions of an enterprise. While marketing induces the demand for products and finance provides the capital, production and operations *produces* the product *and delivers* the product (goods and services).

This course provides an introduction to the concepts and analytic methods that are useful in understanding the management of a firm's operations. Our aim is to:

- (1) familiarize students with the problems and issues confronting production and operations managers, and
- (2) provide them with language, concepts, insights and tools to deal with these issues in order to gain competitive advantage through production and operations.

Because the course deals with the management of "processes", it applies to both for-profit and non-profit organizations, to both service and manufacturing organizations, and to virtually any functional area or industry.

Course Materials

Prescribed Text:

Operations Management: Sustainability and Supply Chain Management, 12th Ed., by Jay Heizer, Barry Render, and Chuck Munson, Pearson, 2017.

(A resume of each chapter of the book will be provided before the lecture)

Recommended reading:

1. *Production and Operations Management* (8th edition) by Richard B. Chase, Nicholas J. Aquilano and F. Robert Jacobs, McGraw-Hill
2. *Operations Management: Producing Goods & Services* (2nd edition) by Donald Waters, Prentice Hall.

Tentative Class Schedule (The schedule is dynamic, hence can be changed due to some unavoidable circumstances)

Week	Topics to be Covered
1+2	<ul style="list-style-type: none">• Introduction to Production and Operations Management• Chapter 1: operations and productivity
3	Chapter 2: Global Environment and Operations Strategy
4+5	Chapter 3: Managing Projects
6+7	Chapter 4: Forecasting demand
8	Chapter 5: Product Design
9	Chapter 7: Process Design.
10+11	Chapter 8: Location Decisions
12	Chapter 9: Layout Decisions
13	Chapter 12: Managing Inventory
14	Chapter 13: Aggregate Scheduling

Attendance:

Students are expected to attend and participate not only in the tutorials but also the lectures. Attendance is necessary to pass the course.

If a student is late to the class for more than ten (10) minutes I will put absence.

Grade:

- Two intermediate Quizzes 5 points each
- Class Participation/Discussions 5 points.
- 5 Bonus Points
- Final Exam 20 points.

Final Thoughts :

“If you think education is expensive—try ignorance.”

--Mark Twain

“When I hear, I forget. When I see, I remember. When I do, I understand.”

--Calvin Coolidge

“The only place where success comes before work is in a dictionary.”

--Vidal Sassoon

“I’ve failed over and over and over again in my life...And that is why I succeed.”

--Michael Jordan

