

Al albayt University
Faculty of Finance and Business Administration
Department of Business Administration
Course: Advance Operations Management (502721)
Instructor: Dr. Bahjat Al-jawazneh
First Semester: 2015-2016 Lecture Schedule: Sunday, 2-5

Course description

The course focuses on the basic concepts, issues, and techniques for efficient and effective operations. Special emphasis is placed on process improvement and supply chain management. Topics include operations strategy, product and service design, process design and analysis, capacity planning, lean production systems, materials and inventory management, quality management and six sigma, project management, and supply chain management.

Course objectives

Upon completing this course, students should be able to:

- Understand the strategic role of operations management in creating and enhancing a firm's competitive advantages
- Understand key concepts and issues of OM in both manufacturing and service organizations
- Understand the interdependence of the operations function with the other key functional areas of a firm

Course outline

Week	Title
1	Introduction to Operations Management
2	The Global Environment and Operations Strategy
3	Location Strategies
4	Layout Strategies
5	Process Strategy
6	Managing the Supply Chain
7	Managing Quality
8	Aggregate Planning

9	JIT and Lean Production Systems
10	Project Management
11	Inventory Management
12	Product Design
13	Decisions Theory
14	Short Term Scheduling
15 and 16	Cases and group discusion

References:

Production and Operations Management, Heizer and Render: Operations , Global Edition, 8th and 9th edition. prentice hall.

Operations Management, William Stevenson, 9th edition ,2007, McGraw Hill

Jacobs, Chase, and Aquilano: Operations and Supply Management, 12th ed.