

## **MGMT 301 Operations Management**

This course examines issues included in productions and operations management, design, operation and control of industrial enterprises, plant location, scheduling quality control, layouts, facilities, planning, material processing and inventory control.

*(Prerequisite: MGMT 101, MATH 115, Minimum of 60 Credits)*

### **Course Learning Outcomes:**

By the end of the course, students will be able to:

1. Demonstrate advanced knowledge and understanding of the principles and concepts of operations management, various process characteristics and how they support operations strategy.
2. Apply the process of operations planning and be able to identify and understand the linking of operations strategy with corporate strategy.
3. Apply inventory management techniques including Just in Time (JIT) systems in optimizing inventory levels.
4. Evaluate operational processes based on efficiency, effectiveness, flexibility, quality, cost management, responsiveness and productivity.
5. Use qualitative and quantitative techniques to address and solve operations management problems.
6. Express ideas logically and persuasively with the use of correct grammar and composition when communicating in oral or written forms.
7. Work in a team to prepare and present a project in the field of operations management.

### **Text Book & Course Materials:**

- *Stevenson, W. J. (2021). Operations Management (Fourteenth).*

### **Course Content:**

1. Introduction to Operations Management
2. Competitiveness, Strategy, and Production
3. Supply Chain Management
4. Forecasting
5. Product and Service Design
6. Location Planning and Analysis
7. Strategic Capacity Planning for Products and Services
8. Inventory Management
9. MRP and ERP
10. JIT and Lean Operations
11. Project Management