

**COURSE TITLE: INVENTORY AND OPERATIONS MANAGEMENT**

**COURSE CODE: MBAP 7305**

**HOURS TAUGHT: 3 HRS PER WEEK**

**PREREQUISITES: NONE**

### **PURPOSE OF COURSE**

Generally a company will need a strategy to achieve a competitive edge. And the success its strategic plan will be determined by how well that company coordinates all its internal processes, including operations, and brings them to bear on its goals. It is operations management that designs and operates productive system in order to get work done. Hence the product which we always desire to acquire is provided to us by people in operations.

Operation managers are found in any organization be it banks, hospitals, factories, or government, etc. The design systems, ensure quality, produce products and deliver services. They work with customers and suppliers, and any other stakeholder. They solve problems, reengineer processes, innovate and integrate.

Operations management is more than planning and controlling it is doing "Whether its superior quality, speed – to market, customization, or low cost, excellence in operations is critical to a firm's success".

### **EXPECTED LEARNING OUTCOMES**

By the end of the course students should be able to:

- Explain the operations manager's function in a firm
- Discuss the Effectives participate and constructively contribute to designing of various kinds of operations
- Describe work as operations managers in their respective areas

### **COURSE CONTENT**

**An overview of Operations and Technological management**

- Meaning and scope of the operations management function,
- The input – transformation – output model
- Importance of operations/ production function in the firm

### **Product Design and Development**

- Overview of product design and development
- The product development process
- Relationship between other departments in the organization in relation to product development.

### **The location and Layout decision**

- The location decision
- Importance of location decision
- Considerations to be take into account when deciding on location facility lay out planning.

### **Facility lay out planning.**

- Capacity Planning and Management in operations
- Concept of capacity planning and management
- Importance of capacity planning in business
- Assessing existing capacity
- Developing alternatives

### **Production Planning and Scheduling**

- Overview of production planning
- The essence of production planning
- Approaches to production planning

### **Operations Strategy**

- Strategy formulation
- Competitive priorities
- Operations role in corporate strategy
- Issues and trends in operations
- Strategic decisions in operations

### **Human resources in Operations Management**

- Significance of human resource Management in operations management
- Human resource management issues in operations
- Job design

- Approaches to job design

### **Quality management in operations**

- Conformance to product design specifications
- Issues in quality management
- Approaches to quality management
- Focus of total quality management
- ISO standards.

### **Design of Integrated Operations Strategy**

- What is an integrated operations strategy?
- Need for an integrated operations strategy
- Components of an integrates operations strategy
- Designing of the operations strategy

### **MODE OF DELIVERY**

- Lectures
- Reading assignments
- Practical assignments
- Field trips
- Documentaries

### **INSTRUCTIONAL MATERIALS AND / OR EQUIPMENT**

- Whiteboard and Markers
- Flip Charts
- LCD Projectors
- CDs, DVDs and Tapes

### **COURSE ASSESSMENT**

- Continuous assessments tests 20%
- Group and individual project (course work) 20%
- End of Semester Examination 60%

## **READING MATERIALS / LIST**

Kakuru Julius, (2009). Managing Operations Function of the Firm: Concepts and challenges, Fountain Publishers Ltd Kampala.

Robert S. Russell and Bernad W. Taylor III (2003). Operations Management , Person Education, Inc., New Jersey 4<sup>th</sup> Edn.

