

## Logistics and Supply Chain Management – MGMT 254

### Course Objectives:

1. To describe the increasing significance of logistics and its impact on both costs and service in business and commerce.
2. To incorporate and learn the critical elements of logistics and supply-chain management processes based on the most relevant application in forward-thinking companies.
3. To develop criteria and standards to achieve improved business performance by integrating and optimizing the total logistics and supply-chain process.
4. To describe the ways to shift the business culture from functional work to overall process-driven results.
5. To explain the rationale for statistical process control in minimizing or eliminating non-value-added elements of the overall logistics process such as the cost of excess inventory driven by inaccurate forecasting.
6. To summarize the value of focusing on information business logistics systems which drives improved accuracy and decision-making at all levels of management.
7. To incorporate a meaningful focus on the rate of change occurring in business today, and more specifically, in business logistics.
8. To work through end-of chapter exercises and “real world” case studies which reflect the challenges faced on-the-job, while learning new thinking and logistical approaches for improved business results.

### Course Outline

#### I. Basic Concepts of Supply Chain Management

- A. Integrated management
- B. Network planning
- C. Inventory control
- D. Supply contracts
- E. Supplier relations
- F. Single/sole sourcing
- G. Distribution strategies
- H. Outsourcing and procurement strategies
- I. Quality management
- J. Responsiveness
- K. Globalization

#### II. Lean Logistics

- A. The logistical value proposition
- B. The work of logistics
- C. Logistical operations
- D. Logistical operating arrangements
- E. Logistical synchronization

#### III. Customer Accommodation

- A. Customer-focused marketing
- B. Customer service
- C. Customer satisfaction
- D. Customer success

#### IV. Inventory Management

- A. Inventory functionality and principles

- B. Inventory carrying cost
- C. Planning inventory
- D. Managing uncertainty
- E. Inventory management policies
- F. Inventory management practices

**V. Role of Transportation**

- A. Transport functionality
- B. Transportation principles
- C. Transport participants
- D. Transportation regulation
- E. Transportation structure
- F. Transportation service
- G. Transport economics and pricing
- H. Traffic department administration
- I. Documentation

**VI. Warehousing**

- A. Strategy and functionality
- B. Operations
- C. Warehouse ownership classification
- D. Warehouse planning

**VII. Packaging and Materials Handling**

- A. Packaging for materials handling efficiency
- B. Packaging materials
- C. Handling considerations
- D. Handling systems