

Master Syllabus

MAN 2159 - Supply Chain Management Concepts & Applications

Division: Business and Public Services

Department: Management

Credit Hour Total: 3.0

Lecture Hrs: 3.0

Prerequisite(s): MAN 2150AND MAT 1460OR MAT 1470

Date Revised: February 2016

Course Description:

This course provides an in-depth study of Supply Chain Management (SCM) functions and the application of effective SCM strategies and practices to achieve improved operations in manufacturing and service organizations. It focuses on analysis of real-world SCM challenges, strategies and techniques.

General Education Outcomes:

- Oral Communication
- Written Communication
- Critical Thinking/Problem Solving
- Values/Citizenship/Community
- Information Literacy
- Computer Literacy

Course Outcomes:

Operational Functions of SCM

Apply real world understanding of interrelationships and contributions of the operational functions necessary for effective SCM using relevant case studies.

Assessment Method: Locally developed exams
Performance Criteria:

Achieve a minimum grade of 70% or higher

Assessment Method: Simulations
Performance Criteria:

Achieve a minimum grade of 70% or higher based on departmental rubrics

IT Tools and Applications

Utilize IT tools and applications to solve SCM quantitative problems.

Assessment Method: Locally developed exams
Performance Criteria:

Achieve a minimum grade of 70% or higher

Assessment Method: Simulations
Performance Criteria:

Achieve a minimum grade of 70% or higher based on departmental rubrics

Demand Forecasting and Resource Planning

Calculate demand forecasts and determine resource requirements using IT applications.

Assessment Method: Locally developed exams
Performance Criteria:

Achieve a minimum grade of 70% or higher

Assessment Method: Simulations
Performance Criteria:

Achieve a minimum grade of 70% or higher based on departmental rubrics

Quality, Globalization, and Ethics Issues

Research and report on the implications of quality, globalization, and ethics within SCM operations.

Assessment Method: Locally developed exams
Performance Criteria:

Achieve a minimum grade of 70% or higher

Assessment Method: Simulations
Performance Criteria:

Achieve a minimum grade of 70% or higher based on departmental rubrics

Strategic Impact of SCM

Apply various strategies to real world problems and evaluate their impact on integrated SCM operations.

Assessment Method: Locally developed exams

Performance Criteria:

Achieve a minimum grade of 70% or higher

Assessment Method: Simulations**Performance Criteria:**

Achieve a minimum grade of 70% or higher based on departmental rubrics

Outline:

SCM as a competitive strategy

Demand forecasting

Supplier relationships and networks

Standardization and quality issues

Global Supply Chain challenges and opportunities

Information technology and Internet tools

Corporate social responsibility and business ethics

Total Life Cycle cost analysis