

Master Syllabus

OPT 2251 - Supply Chain Operations & Logistics

Division: Science, Mathematics and Engineering

Department: Operations Technology

Credit Hour Total: 3.0

Lecture Hrs: 3.0

Prerequisite(s): OPT 1125 OR MAN 2155

Date Revised: October 2013

Course Description:

In-depth study of the technical and business functions of operations logistics, materials procurement and management and supply chain development and management in manufacturing, service industries and government in a global economy.

General Education Outcomes:

- Written Communication
- Critical Thinking/Problem Solving

Course Outcomes:

Logistical Management

Describe the concepts of logistics including shipping, warehousing, transportation, packaging, supporting information systems in a global context and their impact on customer service and profitability.

Assessment Method: Locally developed exams

Performance Criteria: Accuracy of 70% or higher on applicable questions and projects by 70% of the students.

Supply Chain Management

Explain the functions of supply chains, their purpose, marketing and sales impact, use and management in a global context and their impact on customer service and profitability.

Assessment Method: Locally developed exams

Performance Criteria: Accuracy of 70% or higher on applicable questions and projects demonstrated by 70% of the students.

Materials and Production Planning

Apply the concepts of demand forecasting, procurement, inventory management, capacity planning, production planning and material control methods and techniques in a global context, including their impact on customer service and profitability.

Assessment Method: Locally developed exams

Performance Criteria: Accuracy of 70% or higher on applicable questions and projects demonstrated by 70% of the students.

Outline:

Overview
Logistics
Supply Chains
MRP/ERP
Capacity Planning
Inventory Planning