Course Information Form (CIF)

Course Code: MGT 114

Course Title: Supply Chain Management

Department: Business/Computer Science and Technologies
PCS Code: 1.2 - Occupational/Technical Instruction
CIP Code: 52.0203
Repeatability: 0

Effective Date: Summer 2026

Credit Hours

Catalog Notation: 3-0-3
Credit Hour Distribution:

Lecture: 3	Lab: 0	Clinical: 0	**Total: 3**

General Course Information

Catalog Description

Introduces Supply Chain Management (SCM) and the end-to-end (E2E) business processes necessary to achieve market and financial value, as well as competitive advantage. All topics focus on technology, financial trends, and career paths within the field.

General Course Objectives

Students focus on the fundamentals of moving suppliers and customers into collaborative relationships for mutual gain, including customer service, fulfillment, demand planning and forecasting, inventory control, waste reduction, procurement, storeroom/warehousing, production control/operations, and physical distribution/logistics and return processes. All students who pass will be able to recognize, differentiate, analyze, and explain the importance of each supply chain role, of the individual, and of the industry itself.

Minimum Placement Levels

English	Reading	Math
Placement out of ENG 098	Placement out of CCS 098	Placement out of MAT 060

Prerequisites

None

Methods of Evaluation

Students will be evaluated using weekly quizzes, weekly participation in classroom discussion, 1 midterm exam, and 1 final exam.

Instructional Materials and Additional Supplies

Supply Chain Management, 1st edition. 2020. 9781260395594

Course Content

General Learning Outcomes (GLOs)

- Critical Thinking and Information Literacy: Students will demonstrate the ability to evaluate perspectives, evidence, and implications, and to locate, assess, and use information effectively.

Course Segments and Student Learning Outcomes

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Organization and Strategy	1. Understand the key functions that comprise SCM roles and the responsibilities within each of the key functions. Identify which roles are responsible for each segment of the chain. 2. Clarify relationships and linkages with other functional areas (accounting, engineering, sales, marketing, finance, customer service, etc.) and how they work collaboratively. 3. Provide examples of different departments and linkages in various organizations and industries discussed in course material, as well as how they may differ from other organizations.	4	0	0
Demand Planning and Forecasting	1. Analyze the functions of demand planning and forecasting; analyze the overall impact of these segments on the entire Supply Chain.	4	0	0
Sales and Operations Planning	1. Understand the integrated functions of Supply Chain Management with respect to overall customer service and profitability of the company.	4	0	0
Production Planning and Master Production Scheduling	1. Explain the benefits and challenges of proper planning and scheduling when it comes to production and labor planning, and how to manage this while meeting customer demands.	4	0	0
Inventory Control, Material Requirement Planning (MRP), and Capacity Requirements Planning (CRP)	1. Understand high-level Material Requirement Planning (MRP) and Capacity Requirements Planning (CRP) processes and technology. 2. Demonstrate knowledge of inventory and different controls of inventory. 3. Explain how inventory control is impacted by MRP and CRP processes.	4	0	0
Procurement and Supply Planning	1. Understand the different types of procurement and supply planning. Identify situations in which each type would be applicable.	4	0	0
Production Control, Operations, and Manufacturing	1. Understand labor management and working within labor guidelines while producing a quality product within specified time frames.	3	0	0
Receiving	1. Define knowledge of receiving and how it impacts planning, inventory, quality, and production.	3	0	0
Transportation and Logistics	1. Understand the critical importance of transportation and logistics and how it relates to the overall success of the business.	3	0	0
SCM Integrated Technology	1. Evaluate the benefits and impacts of SCM technologies/software within the supply chain.	3	0	0

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Financial and Business Objectives	1. Explain how the processes learned to this point impact the financial results and overall goals of the business. 2. Understand how to identify successes and opportunities that show where adjustments are needed.	3	0	0
Relationships and Linkages	1. Analyze the benefits and challenges of each integrated sub-function within the total supply chain.	3	0	0
Roles and Career Opportunities	1. Correlate the types of supply chains matched with type of industry, including job and career opportunities within each. 2. Review and test knowledge gained throughout course.	3	0	0

Total Contact Hours

Lecture Hours	Lab Hours	Clinical Hours
45	0	0