

**RARITAN VALLEY COMMUNITY COLLEGE
ACADEMIC COURSE OUTLINE**

BUSI 114: Introduction to Supply Chain Management

I. Basic Course Information

A. Course Number and Title: BUSI 114: Introduction to Supply Chain Management

B. New or Modified Course: NEW

C. Date of Proposal: Semester: Fall 2016

D. Effective Term: Spring 2017

E. Sponsoring Department: Business & Public Service

F. Semester Credit Hours: 3

G. Weekly Contact Hours:

Lecture: 3 hours

Laboratory: None

Out of class student work per week: 6 hours per week

H. Prerequisites/Corequisites: N/A

I. Laboratory Fees: N/A

J. Name and Telephone Number or E-Mail Address of Department Chair at time of approval:

Anne Marie Anderson ext. 8337

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II. Catalog Description

Prerequisites: None

This course introduces students to the core topics of supply chain management and how supply chain management impacts all areas and processes of a firm and its trading partners. Emphasis is given to the study of the impact that the supply chain management framework, (that includes distribution, procurement, inventory, operations, green transportation and new software applications) has on business and the economy.

III. Statement of Course Need

- A. Introduction to Supply Chain Management is a foundation course. This course provides students with a broad supply chain management background. Supply chain management is integral to increasing an organization's efficiency, capacity, and cash flow. Supply chain management also addresses the increasing demands of sustainability and corporate social responsibility. There is employment demand at all levels of supply chain management.
- B. No lab component
- C. This course generally transfers as a free elective or business elective.

IV. Place of Course in College Curriculum

- A. Free Elective
- B. Business Elective
- C. To see course transferability: a) for New Jersey schools, go to the NJ Transfer website, www.njtransfer.org; b) for all other colleges and universities, go to the individual websites.

V. Outline of Course Content

- A. Supply Chain Management: An Overview
 - 1. SCM Defined
 - 2. Origins of SCM
 - 3. Importance of SCM
 - 4. Current Trends in SCM
- B. Supply Issues in Supply Chain Management
 - 1. Purchasing Management
 - 2. Purchasing Terms
 - 3. Purchasing Process
 - 4. Sourcing Decisions
 - a. Reasons for Buying or Outsourcing

- b. Reasons for Making
- 5. Supplier Selection
- C. Creating and Managing Supplier Relationships
 - 1. Supplier Relationship Management
- D. Ethical and Sustainable Sourcing
 - 1. Developing Sourcing Strategies and Initiatives
 - 2. Benchmarking Successful Sourcing Practices
- E. Operations: Demand Forecasting
 - 1. Importance of Demand Forecasting
 - 2. Forecasting Techniques
 - a. Qualitative Methods
 - b. Quantitative Methods
 - 3. Forecasting Websites and Software
- F. Operations: Resource Planning Systems
 - 1. The Aggregate Production Plan
 - a. Chase Production Strategy
 - b. Level Production Strategy
 - 2. The Master Production Schedule
 - a. MPS Time Fence
 - 3. Bill of Materials
 - 4. The Materials Requirement Plan
 - 5. Capacity Planning
 - 6. The Distribution Requirements Plan
 - 7. Enterprise Resource Planning Systems
- G. Operations: Inventory Management
 - 1. Concept and Tools of Inventory Management
 - 2. Inventory Costs
 - 3. Inventory Models
- H. Operations: Process Management- Lean and Six Sigma
 - 1. Lean Thinking and Supply Chain Management
 - 2. Elements of Lean
 - 3. Comparing Six Sigma and Lean
- I. Distribution: Transportation Fundamentals
 - 1. Modes of Transportation
 - 2. Intermodal Transportation
 - 3. Transportation Pricing
 - 4. Transportation Regulation and Security
- J. Distribution: Warehousing
 - 1. Importance and Types of Warehouses
 - 2. Lean Warehousing

K. Distribution Issues

1. Third Party (3PL) Services
2. Environmental Sustainability
3. Reverse Logistics and the Environment
4. Customer Relationships Management
 - a. Recent Trends

VI. General Education and Course Learning Outcomes

A. General Education Learning Outcomes:

At the completion of the course, students will be able to:

1. Communicate supply chain management topics effectively in an oral and/or written presentation. (GE-NJ1)
2. Identify the ethical issues facing supply chain management. (GE-NJ ER*)
(* embedded critical thinking)

B. Course Learning Outcomes:

At the completion of the course, students will be able to:

1. Define supply chain management terms.
2. Identify how supply chain management key processes impact a firm and its trading partners.
3. Discuss current trends in supply chain management.

C. Assessment Instruments

The following assessment methods may be used:

- A. Essays
- B. Projects
- C. Research papers
- D. Exams
- E. Presentations (Required)
- F. Case Studies

VII. Grade Determinants

- A. Essays
- B. Projects
- C. Exams
- D. Presentations
- E. Research papers
- F. Case Studies

Modes of teaching and learning used in the course:

- A. lecture/discussion
- B. small-group work
- C. guest speakers
- D. student oral presentations
- E. student collaboration

VIII. Texts and Materials

- A. Principles of Supply Chain Management/A Balanced Approach 4th edition
Wisner, Tan and Leong,(2016) Boston, MA: Cengage Learning
- B. Internet Sources

Please Note: The course outline is intended only as a guide to course content and resources. Do not purchase textbooks based on this outline. The RVCC Bookstore is the sole resource for the most up-to-date information about textbooks.

IX. Resources

A. Introduction to Supply Chain Management

1. Library access

X. Honors Option

N/A