Degree Credit [X] Non Credit [] Nondegree Credit [] Comm Service []

Riverside Community College District Integrated Course Outline of Record

Business 86

BUS-86: Transportation and Traffic Management

College: R____M___N_X_ Lecture Hours: 54 Lab Hours: 0 Units:3.00

COURSE DESCRIPTION

Prerequisite: None.

A study of the freight transportation system including the demand for freight movement, laws, regulations, pricing, and policies, traffic management and international transportation issues. Focuses on how transportation collaborates with other supply chain functions to optimize cost and customer service. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

SHORT DESCRIPTION FOR CLASS SCHEDULE

A study of the freight transportation system, including pricing, regulation, and traffic management, and its role within integrated business supply chains.

ENTRY SKILLS None.

STUDENT LEARNING OUTCOMES

Upon successful completion of the course, students should be able to:

Demonstrate understanding of transportation system operations.

- Breadth of Knowledge Understand the basic content and modes of inquiry of the major knowledge fields
- Application of Knowledge Maintain and transfer academic and technical skills to workplace

Compare operational characteristics of the major modes of transportation.

- Critical Thinking Integrate knowledge across a range of contexts
- Critical Thinking Generalize appropriately from specific contexts
- Application of Knowledge Maintain and transfer academic and technical skills to workplace

Understand demand for and pricing of freight transportation.

- Information Skills Locate, evaluate and use information effectively
- •

1.

- e. Equipment
- f. Cost Structure
- g. Ports as an Essential Link
- h. Types of Carriers
- i. Ownership
- j. Number of Carriers
- k. Operating and Service Characteristics
- I. Relative Advantages and Disadvantages
- m. Competition
- n. Equipment
- o. Commodity Movement
- p. Cost Structure
- q. Global Pipelines
- 9. Transportation Risk Management
 - a. Transportation Risk Management Process
 - b. Supply Chain Security
 - c. Maritime Transportation Security Act
 - d. Container Security Initiative
 - e.

- m. Airports
- n. Customs Clearance
- 12. Third Party Logistics
 - a. Types of 3PL Providers
 - b. Enhancing Freight Flows with TMS Capabilities
 - c. 3PL Services and Integration
 - d. 3PL User Overview
 - e. Reasons for Outsourcing
 - f. Primary Activities Outsourced
 - g. Results Achieved
 - h. Establishing and Managing 3PL Relationships
 - i. Strategic Challenges for 3PL Users
- 13. Private Transportation and Fleet Management
 - a. Private Transportation Definition
 - b. Private Rail Transportation
 - c. Private Air Transportation
 - d. Private Water Transportation
 - e. Private Oil Pipeline Transportation
 - f. Private Trucking
 - g. Private Trucking Cost Analysis
 - h. Taking Companies Private
 - i. Major Operating Decisions
- 14. Issues and Challenges of Global Supply Chains
 - a. Congestion and Transportation Infrastructure
 - b. Sustainability: The Green Supply Chain
 - c. Truck Navigation
 - d. Fuel Cost and Consumption
 - e. Carriers' Responses
 - f. Transportation Report Card
 - g. Collaboration and Visibility

METHODS OF INSTRUCTION

students understanding of transportation and traffic management concepts.

• Facilitate discussions regarding relevant current issues in business to encourage students to make appropriate connections to the course content.

METHODS OF EVALUATION

Students will be evaluated for progress in and/or mastery of learning outcomes by methods of evaluation which may include, but are not limited to:

- Examination designed to provide objective evidence that students have attained the level of understanding expected in the areas detailed in the student learning outcomes.
- Individual, small group, or paired activities designed to allow students to demonstrate understanding of basic transportation and traffic management concepts.
- Quizzes and in-class participation demonstrating proficiency in the subject