

NorthWest Arkansas Community College
Business & Computer Information Systems Division
Business Department Course Outline

TRLG 1013 Supply Chain Management for A.A.S. (F)

Catalog Description:

This course is an introduction to basic concepts of supply chain management such as inbound logistics and outbound logistics, demand forecasting, inventory management, warehousing, materials handling and transportation. The basics of supply chain modeling for the optimization and monitoring of a supply chain will be covered using mathematical programming models. Supply chain management provides training in the areas of efficient administration and control of logistical components: transportation, inventory, packaging, warehousing, and materials handling as well as customer service and their eventual integration.

Prerequisite:

None

Credit Hours/Contact Hours/Load Hours:

3/3/3

Target Audience/Transferability

This course is for students seeking the AAS Degree in any area of Business. This course WILL NOT transfer to the Walton College of Business or most other 4-year institutions.

Student Learning Outcomes:

Students completing this course will:

- Demonstrate a basic understanding of the factors that influence facility location decisions.
- Describe basic demand forecasting methods.
- Determine which methods are appropriate depending on the data.
- Explain Optimal Order Quantity.
- Describe the components/decisions that comprise typical logistic systems.
- Identify and explain the managerial and strategic applications of information systems.
- Discuss the basic concepts involving systems architecture and infrastructure.
- Explain the advantages/disadvantages of different costing methods.
- Explain the Reorder Point (ROP) model and assumptions surrounding this model.
- Describe integrated information systems and Enterprise Resource Planning (ERP) systems.
- Use basic math and reasoning skills to solve homework assignments that further understanding of the supply chain concept.
- Use and apply computer spreadsheet knowledge and skills.
- Explain the significance of current business economic regulation and its impact on the business environment.
- Explain how supply chain management impacts society.

Topics:

- Supply chain management and competitive strategy
- Process thinking
- Supply chain mapping
- Strategic supply chain cost management
- Information technology
- Performance measure
- Inventory management and demand forecasting
- Relationship management
- Transportation in supply chain

Forms of Assessment:

Assignments, exams, case studies, projects, and oral presentations.