

Supply Chain Management (SCM)

Courses

SCM 334. Logistics Management. 3 Credits.

This is a course on logistics management which falls within the broad discipline of supply chain management (SCM). This will allow students to deepen their knowledge and understanding on various components of logistics management; its role across other functions in an enterprise; and its importance in the context of present global business environment. The primary objective of the logistics management is to provide support in storage and distribution of goods and services, from an enterprise to customers as well as any returns from customers to an enterprise with or without channel partners. The goal of this course is to build on the learnings from the course "Introduction to Supply Chain Management" and provide an in-depth understanding of the roles of logistics function, concepts and principles used in addressing the needs of an enterprise, while minimizing the costs and environmental impacts. P: SCM 384 and Bus Adm major or minor or Acctg major or minor and an overall minimum GPA of 2.5.

Fall Only.

SCM 380. Project Management. 3 Credits.

Project management is an essential component in Supply Chain Management, Operations Management, Analytics, and Management Information Systems. It is equally useful in other disciplines. This course covers the project management methodology recommended by the Project Management Institute, USA (PMI) and prepares students for successfully managing projects or new initiatives in organizations from inception to completion in a consistent and structured manner. This course provides the use of standardized terms and exposes students to the knowledge area, process groups and processes defined in the Project Management Book of Knowledge (PMBOK®) and used in project management worldwide. It prepares students for clearly defining the scope of a project, including the budgeting and cost management, human resource planning, communication planning, stakeholder analyses and submission of the final product/service to operations that are associated with a project.

P: BUS ADM 130 and BUS ADM 220

Fall and Spring.

SCM 381. Operations Management. 3 Credits.

The first part of the operations management course will provide features of production/service systems, methods of modeling and the control system for operations/service. Topics include aggregate planning, forecasting techniques, work-force and operations scheduling, and material requirement planning. The second part will cover the models and techniques for managing inventory systems, the deterministic and stochastic inventory models, and lot sizing in continuous and periodic review systems.

P: SCM 384 and Bus Adm major or minor or Acctg major or minor and an overall minimum GPA of 2.5.

Spring.

SCM 383. Enterprise Resource Planning. 3 Credits.

The Enterprise Resource Planning (ERP) course provides details on the need and the use of an ERP system in supply chain management (SCM) in industries. It provides the basic structure of an ERP system in an organization. It is a hands-on course to be taught in a computer lab to train students on the use of an ERP system. This course will provide training on various aspects of SCM functions such as how to: (1) create/modify/delete an item-master, a vendor-master, a purchase order and a contract; (2) request an advance from accounts; (3) check inventory of raw material, work-in-progress (WIP), and finished goods; and (4) look for demands.

P: SCM 384 and Bus Adm major or minor or Acctg major or minor and an overall minimum GPA of 2.5

Fall Only.

SCM 384. Supply Chain Management. 3 Credits.

This course allows students to understand the components of Supply Chain Management (SCM), and its role within and across the function in an enterprise. The objectives of supply chain management are to create value, build a competitive infrastructure, leverage worldwide logistics, synchronize demand and supply, and to measure performance. SCM deals with storage and distribution of goods and services, in the right quantity, right condition, at the right time, and in the right place. The goal of this course is to provide an overview of the supply chain management function and associated concepts. The course provides an understanding of the activities involved in this function. This course also provides a basic understanding of the analytical tools and applications used in SCM. The course introduces some challenges in managing global supply chains. The course provides an opportunity to work in teams, explore a real-life situation related to concepts taught in the course, and to do a research project.

P: BUS ADM 130 and BUS ADM 220

Fall and Spring.