

# Supply Chain Management (SCM)

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## Courses

### **SCM 200. Principles of Supply Chain Management. 3 Credits.**

This is an introductory course in supply chain management (SCM). This will allow students to understand the components of supply chain management; its role within the function and across other functions in an enterprise.

P: BUSAN 130 AND (BUS ADM 220 or MATH 260 or PSYCH 205 or ORG LEAD 346)

Fall and Spring.

### **SCM 298. Independent Study. 1-4 Credits.**

Independent study is offered on an individual basis at the student's request and consists of a program of learning activities planned in consultation with a faculty member. A student wishing to study or conduct research in an area not represented in available scheduled courses should develop a preliminary proposal and seek the sponsorship of a faculty member. The student's advisor can direct him or her to instructors with appropriate interests. A written report or equivalent is required for evaluation, and a short title describing the program must be sent early in the semester to the registrar for entry on the student's transcript. Course is repeatable for credit.

P: fr or so st with cum gpa > or = 2.50; or jr or sr st with cum gpa > or = 2.00.

Fall and Spring.

### **SCM 380. Project Management. 3 Credits.**

Project management is an essential component in today's business environment, particularly in Supply Chain Management. This course covers the project management methodology recommended by the Project Management Institute, USA (PMI). It prepares students for successfully managing projects or new initiatives in organizations from inception to completion in a consistent and structured manner. This course provides 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 budgeting and cost management, human resource planning, communication planning, stakeholder analyses, and submission of the final product/service to operations associated with a project.

P: BUSAN 130 AND (BUS ADM 220 or MATH 260 or PSYCH 205 or ORG LEAD 346)

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, workforce, 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 200 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 200 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: SCM 200

Fall and Spring.

**SCM 434. Logistics Management. 3 Credits.**

This course is about logistics and transport management. The course allows students to deepen their knowledge and understanding of various logistics & transportation management components, their role across other functions in an enterprise, and their importance in the global business environment. The primary objective of logistics management is to provide support for the storage and distribution of goods and services, from an enterprise to customers, and any returns from customers to an enterprise with or without channel partners. This course aims to build on the learnings from the previous SCM courses and provide an in-depth understanding of the roles of the logistics function, concepts, and principles used in addressing the needs of an enterprise while minimizing the costs and environmental impacts.

P: SCM 200 and overall minimum GPA of 2.5

Fall Only.

**SCM 495. Teaching Assistantship. 1-6 Credits.**

The student and supervising teacher must prepare a statement that identifies the course with which the assistantship will happen, objectives for the assistantship, and expectations in order to fulfill the course objectives. Students are not eligible to receive credit in both the course they assist the instructor with and the teaching assistantship in the same semester. Typically student has previously taken the course prior to enrollment in the assistantship. Course is repeatable for credit.

Fall and Spring.

**SCM 496. Project/Research Assistantship. 1-6 Credits.**

The student must prepare a research proposal, and both parties should identify the research arrangement and how the student will complete the work to fulfill the course objectives within the assigned term.

Fall and Spring.

**SCM 498. Independent Study. 1-4 Credits.**

Independent study is offered on an individual basis at the student's request and consists of a program of learning activities planned in consultation with a faculty member. A student wishing to study or conduct research in an area not represented in available scheduled courses should develop a preliminary proposal and seek the sponsorship of a faculty member. The student's advisor can direct him or her to instructors with appropriate interests. A written report or equivalent is required for evaluation, and a short title describing the program must be sent early in the semester to the registrar for entry on the student's transcript. Course is repeatable for credit.

Fall and Spring.