Supply Chain Management (SCM)

Courses

SCM 304. Principles of Supply Chain Management. 4 Units.
Prerequisites: ADMN 210
Introduction to supply chain management concepts and techniques. Methods that aid the manager in making rational decisions in manufacturing and service industries are discussed. Emphasis is on the application of models to managerial decision making. Formerly MSCI 304 and OM 304.

SCM 305. Enterprise Resource Planning. 4 Units.
Prerequisites: SCM 304 or consent of instructor
Foundation for enterprise resource planning and implementation, including supply chain and transportation management modeling and operations planning. Configuration and application of an enterprise system. Formerly SCM 205. (Also offered as IST 305. Students may not receive credit for both.).

SCM 350. Decision Making in Supply Chain and Transportation Management. 4 Units.
Prerequisites: SCM 304
Decision making process used by supply chain and transportation managers. Different perspectives of individual and organizational decision making, and analysis and interpretation of data to make effective decisions.

SCM 440. Transportation Systems Management. 4 Units.
Prerequisites: SCM 304
Analysis of alternative transportation modes, carriers, services, rates and policies as related to overall operation of an organizations shipping and/or traffic departments. Formerly MKTG 452.

SCM 445. International Logistics. 4 Units.
Prerequisites: SCM 304
Logistics management involving goods and services in different countries. International business environment, international transportation, intermediaries, import/export regulations, payment and risks, and cultural differences of the global supply chain.

SCM 466. Operations Planning and Control. 4 Units.
Prerequisites: SCM 304
Analytical approach to traditional and modern concepts in operations analysis and planning. Includes application of techniques to accomplish the organizations mission by using productive resources. Formerly OM 466.

SCM 470. Supply Chain Management. 4 Units.
Prerequisites: SCM 304
Comprehensive study of all activities and processes to supply products or services to final customers. Topics include: purchasing, logistics and supply chain optimization, inventory control, warehouse and distribution management. Formerly OM 470.

SCM 475. Business Analytics Practicum/Practices. 4 Units.
Prerequisites: SCM 305, SCM 350, IST 282, and IST 274
Comprehensive practice of the Business Analytics process, including data extraction, analytical modeling, detailed analysis, and reporting utilizing business cases.

SCM 480. Quality Management. 4 Units.
Prerequisites: SCM 304
Description and analysis of quality assurance programs and techniques and their many applications in supply chain and transportation from a total quality management perspective. Topics include quality planning, statistical quality control, quality design and measurement, and management of six sigma quality and inspection. Formerly OM 480.

SCM 490. Logistics Strategy. 4 Units.
Prerequisites: the upper division writing requirement and completion of all other courses in concentration program or consent of instructor
Development, implementation and integration of strategies in supply chain and transportation management. Capstone course for the fields of supply chain and transportation management. Includes case studies and use of current technology.

SCM 505. Advanced Enterprise Resource Planning. 4 Units.
Prerequisites: SCM 304 or SCM 607
Advanced study of enterprise systems planning in different stages of organizational operations. Students use enterprise planning technology to examine cases in different organizational settings. (Also offered as IST 505. Students may not receive credit for both.) Formerly SCM 405.

SCM 515. Project Management. 4 Units.
Developing and implementing a plan that completes a project on time, under budget, and meets project objectives. Topics include: project feasibility, risk analysis, resource allocation, control with earned value, managing project stakeholders, and project management tools. Formerly SCM 615.

SCM 575. Internship. 4 Units.
Prerequisites: senior standing preferred; consent of instructor and the departments internship coordinator
Supervised work and study in private or public organizations. May be repeated once for credit. A total of two College of Business and Public Administration 575 courses may be applied toward graduation. Graded credit/no credit.

SCM 590. Seminar in Supply Chain Management. 4 Units.
Prerequisites: the upper-division writing requirement
An intensive study of some phase of supply chain management to be developed by the instructor. May be repeated for credit as topics change. Formerly MSCI 590.

SCM 595B. Independent Study. 2 Units.
Prerequisites: a minimum overall grade point average of 3.0, consent of instructor and approval by the department of a written project/proposal submitted to the appropriate department in the College of Business and Public Administration on a standard application filed in advance of the quarter in which the course is to be taken
Special topics involving library and/or field research. A total of 10 units in any College of Business and Public Administration 595 may be applied toward graduation. Marketing (1-5 units).
SCM 595D. Independent Study. 4 Units.
Prerequisites: a minimum overall grade point average of 3.0, consent of instructor and approval by the department of a written project/proposal submitted to the appropriate department in the College of Business and Public Administration on a standard application file in advance of the quarter in which the course is to be taken. Special topics involving library and/or field research. A total of 10 units in any College of Business and Public Administration 595 may be applied toward graduation. Marketing (1-5 units).

SCM 607. Managing the Supply Chain. 4 Units.
Integration and application of analytical techniques used in logistics and supply chain management. Concepts of decision models are examined for planning, control, forecasting, scheduling, and analysis within an enterprise. Formerly OM 607.

SCM 611. Global Supply Chain Management and Logistics. 4 Units.
Prerequisites: SCM 607
Development, implementation and integration of global supply chain management and operations management strategy with business and other functional strategies of an organization. Topics include: decisions involving positioning, structuring and managing for superior competitive performance.

SCM 614. Advanced Quality Management. 4 Units.
Prerequisites: SCM 607
Technical and managerial issues for implementing total quality management in operations, supply chain and logistics. Topics include the management of quality planning, organizing, motivation and control; employee involvement teams for total quality; the quality of product design; management of quality and reliability; management of inspection and measurement. Formerly OM 614.

SCM 649. Business Analytics. 4 Units.
Introduction to business analytics including querying large datasets, predictive analytics, data visualization using dashboards, decision making under uncertainty/risk, and application of optimization decision analysis tools. Focus is on data manipulation, use of univariate and multivariate statistical methods to analyze data, sensitive analysis, goal seeking, random variables, simulations, queueing, and the use of Excel Power Business Intelligence Tools for modeling and decision support.

SCM 650. Information Decision Systems. 4 Units.
Prerequisites: INFO 609 and SCM 607
Concepts, principles, practices and tools needed to support the management decision making process. Both static and dynamic models of information management related to decision making will be explored. Specific topics include risk management, incident handling, threat assessment, allocating resources and system certification. (Also offered as INFO 650. Students may not receive credit for both.) Formerly OM 650.

SCM 660. Transportation and Supply Chain Management. 4 Units.
Prerequisites: SCM 607
Comprehensive study of managing transportation and the supply chain. Logistics of managing the pipeline of goods from initial contracts with suppliers and control of work-in-process to the movement of finished goods through the channels of distribution. Formerly OM 660.

SCM 675. Internship. 4 Units.
Prerequisites: consent of instructor and department’s internship coordinator
Supervised work and study in private or public organizations. May be repeated once for credit. A total of two College of Business and Public Administration 675 courses may be applied toward graduation. Graded credit/no credit.

SCM 690. Seminar in Supply Chain and Transportation Strategy. 4 Units.
Capstone course on supply chain strategic planning, key strategic decisions, industrial and consumer supply chain cases, field trips to local companies, and discussions with professionals.

SCM 695. Graduate Project. 4 Units.
Prerequisites: advancement to candidacy, written approval of student’s graduate project committee and graduate director
Independent graduate research in supply chain management, transportation and logistics. Project will be under direction of a faculty member.

SCM 698A. Continuous Enrollment for Graduate Candidacy Standing. 1 Unit.
Prerequisites: advancement to candidacy and approval of program graduate coordinator or, if an interdisciplinary studies major, consent of the Dean of Graduate Studies
Independent study leading to completion of requirements (other than course work) for the master’s degree. To retain classified standing in the master’s program, a student must enroll each quarter until the project or thesis is accepted or the comprehensive examination passed. Students who enroll in 698 through the university have full use of all university facilities. See Culminating Experience: Exam, Thesis, or Project in Graduate Degree and Program Requirements section of the Bulletin of Courses. 698 is a variable unit course, see fee schedule in the Financial Information section of the Bulletin of Courses. Earned units are not degree-applicable nor will they qualify for financial aid.

SCM 698B. Continuous Enrollment for Graduate Candidacy Standing. 2 Units.
Prerequisites: advancement to candidacy and approval of program graduate coordinator or, if an interdisciplinary studies major, consent of the Dean of Graduate Studies
Independent study leading to completion of requirements (other than course work) for the master’s degree. To retain classified standing in the master’s program, a student must enroll in 698 each quarter until the project or thesis is accepted or the comprehensive examination passed. Students who enroll in 698 through the university have full use of all university facilities. See Culminating Experience: Exam, Thesis, or Project in Graduate Degree and Program Requirements section of the Bulletin of Courses. 698 is a variable unit course, see fee schedule in the Financial Information section of the Bulletin of Courses. Earned units are not degree-applicable nor will they qualify for financial aid.
SCM 698C. Continuous Enrollment for Graduate Candidacy Standing. 3 Units.
Prerequisites: advancement to candidacy and approval of program graduate coordinator or, if an interdisciplinary studies major, consent of the Dean of Graduate Studies
Independent study leading to completion of requirements (other than course work) for the master's degree. To retain classified standing in the master's program, a student must enroll in 698 each quarter until the project or thesis is accepted or the comprehensive examination passed. Students who enroll in 698 through the university have full use of all university facilities. See Culminating Experience: Exam, Thesis, or Project in Graduate Degree and Program Requirements section of the Bulletin of Courses. 698 is a variable unit course, see fee schedule in the Financial Information section of the Bulletin of Courses. Earned units are not degree-applicable nor will they qualify for financial aid.

SCM 698D. Continuous Enrollment for Graduate Candidacy Standing. 4 Units.
Prerequisites: advancement to candidacy and approval of program graduate coordinator or, if an interdisciplinary studies major, consent of the Dean of Graduate Studies
Independent study leading to completion of requirements (other than course work) for the master's degree. To retain classified standing in the master's program, a student must enroll in 698 each quarter until the project or thesis is accepted or the comprehensive examination passed. Students who enroll in 698 through the university have full use of all university facilities. See Culminating Experience: Exam, Thesis, or Project in Graduate Degree and Program Requirements section of the Bulletin of Courses. 698 is a variable unit course, see fee schedule in the Financial Information section of the Bulletin of Courses. Earned units are not degree-applicable nor will they qualify for financial aid.

SCM 698E. Continuous Enrollment for Graduate Candidacy Standing. 5 Units.
Prerequisites: advancement to candidacy and approval of program graduate coordinator or, if an interdisciplinary studies major, consent of the Dean of Graduate Studies
Independent study leading to completion of requirements (other than course work) for the master's degree. To retain classified standing in the master's program, a student must enroll in 698 each quarter until the project or thesis is accepted or the comprehensive examination passed. Students who enroll in 698 through the university have full use of all university facilities. See Culminating Experience: Exam, Thesis, or Project in Graduate Degree and Program Requirements section of the Bulletin of Courses. 698 is a variable unit course, see fee schedule in the Financial Information section of the Bulletin of Courses. Earned units are not degree-applicable nor will they qualify for financial aid.

SCM 698F. Continuous Enrollment for Graduate Candidacy Standing. 6 Units.
Prerequisites: advancement to candidacy and approval of program graduate coordinator or, if an interdisciplinary studies major, consent of the Dean of Graduate Studies
Independent study leading to completion of requirements (other than course work) for the master's degree. To retain classified standing in the master's program, a student must enroll in 698 each quarter until the project or thesis is accepted or the comprehensive examination passed. Students who enroll in 698 through the university have full use of all university facilities. See Culminating Experience: Exam, Thesis, or Project in Graduate Degree and Program Requirements section of the Bulletin of Courses. 698 is a variable unit course, see fee schedule in the Financial Information section of the Bulletin of Courses. Earned units are not degree-applicable nor will they qualify for financial aid.

SCM 698Z. Continuous Enrollment for Graduate Candidacy Standing. 0 Units.
Prerequisites: advancement to candidacy and approval of program graduate coordinator or, if an interdisciplinary studies major, consent of the Dean of Graduate Studies
Independent study leading to completion of requirements (other than course work) for the master's degree. To retain classified standing in the master's program, a student must enroll in 698 each quarter until the project or thesis is accepted or the comprehensive examination passed. Students who enroll in 698 through the university have full use of all university facilities. See Culminating Experience: Exam, Thesis, or Project in Graduate Degree and Program Requirements section of the Bulletin of Courses. 698 is a variable unit course, see fee schedule in the Financial Information section of the Bulletin of Courses. Earned units are not degree-applicable nor will they qualify for financial aid.