

Graduate Logistics & Supply Chain Management

LSCM 5086. Problems. 1-3 Credit Hours (Lecture: 1-3 Hours, Lab: 0 Hours).

This course offers students the opportunity to study logistics or supply chain management topics and perform research within the student's area of interest as directed by the responsible professor. Prerequisite: Approval of the Department Head.

LSCM 5088. Thesis. 1-6 Credit Hours (Lecture: 1-6 Hours, Lab: 0 Hours).

Scheduled when the student is ready to begin the thesis. No credit until the thesis is completed. Prerequisites: Approved research methodology course and approval of instructor of record.

LSCM 5301. Logistics and Supply Chain Management. 3 Credit Hours (Lecture: 3 Hours, Lab: 0 Hours).

Overview of the logistics and supply chain industry. All functional areas of supply chain management are explored in an integrated view of procurement, manufacturing and operations management, transportation and logistics, inventory and warehousing, demand planning, scheduling, network design, collaboration, and performance measurement.

LSCM 5311. Transportation Management. 3 Credit Hours (Lecture: 3 Hours, Lab: 0 Hours).

Principles of transportation covers the role of transportation systems within the supply chain; environmental and economic impacts; modal components; managerial and economic aspects of the various modes, and applications to domestic and international operations.

LSCM 5313. Logistics Operations. 3 Credit Hours (Lecture: 3 Hours, Lab: 0 Hours).

This course examines logistics and transportation services, including customer service, order fulfillment, distribution operations, purchasing, transportation services, third-party logistics providers, and network design.

LSCM 5321. Supply Chain Management. 3 Credit Hours (Lecture: 3 Hours, Lab: 0 Hours).

Develop an understanding of key drivers of supply chain management and their inter-relationships with the firm's strategy, value-chain, performance, and other functional areas. Focus on developing analytic, problem-solving, and cost/benefit trade-off managerial skills. This course presents a comprehensive supply chain management framework that emphasizes contemporary topics such as co-opetition, automation/technology, uncertainty, risk management, quality, and sustainability. The role of logistics and procurement within the overall supply chain management framework is also introduced and discussed.

LSCM 5322. Global Supply Chain Management. 3 Credit Hours (Lecture: 3 Hours, Lab: 0 Hours).

Global Supply Chain Management involves the flows of materials and information among all of the firms in different locations that contribute value to a product, from the source of raw materials to end customers. The course will integrate issues from logistics, marketing (channels of distribution), and operations management to develop a broad understanding of a global supply chain by considering factors including geographic distribution of resources and demand, exchange rate risk, availability and reliability of suppliers in different regions, and consumer characteristics in different markets. A strategic perspective will focus on relatively long-term decisions involving the configuration of processes, product designs, investment in productive resources, and development of partnerships with suppliers and channels of distribution. The course is designed to refine the intuition developed from models to develop managerial insights.

LSCM 5323. Strategic Sourcing. 3 Credit Hours (Lecture: 3 Hours, Lab: 0 Hours).

Fundamentals of strategic sourcing and supply chain management. Integration and coordination of product innovation, sourcing, manufacturing, distribution, and logistics for global competitiveness.

LSCM 5330. Supply Chain Analytics. 3 Credit Hours (Lecture: 3 Hours, Lab: 0 Hours).

Focuses on the application of quantitative techniques. Problems addressed include demand forecasting, inventory control, and network design analysis, and simulation. Additionally, analytical topics related to enhancing the SCM strategy, design, execution, and people are covered. Prerequisite: BANA 5301 or approval of the department head.

LSCM 5380. Logistics and Supply Chain Management Strategy. 3 Credit Hours (Lecture: 3 Hours, Lab: 0 Hours).

Analysis and solution of supply chain management cases and simulations. Develop an understanding of key drivers of logistics performance and their inter-relationships with strategy and other functional areas. Situations involving purchasing, manufacturing, logistics, and transportation as an integrated supply chain are explored. Focus on developing analytic, problem-solving, and cost trade-off management skills. Explore the eight basic best practices teamwork, communication, and job skills.

LSCM 5382. Internship in Logistics and Supply Chain Management. 3 Credit Hours (Lecture: 3 Hours, Lab: 0 Hours).

Provides work experience in the logistics/supply chain management field under the supervision of a faculty-approved management sponsor. Emphasis is placed on the application of logistics/supply chain management skills to real world, practical problems and situations. A minimum of 20 work hours per week is expected, with a total of 200-300 on-the-job hours required during the semester. Prerequisites: Completion of 12 graduate semester hours in Logistics and Supply Chain Management; preregistration coordination and approval of the course instructor.

LSCM 5385. Logistic & Supply Chain Management Seminar. 3 Credit Hours (Lecture: 3 Hours, Lab: 0 Hours).

This course addresses selected topics of current importance in logistics and supply chain management. May be repeated for credit when topics vary.

LSCM 5390. Special Topics in Logistics and Supply Chain Management. 3 Credit Hours (Lecture: 3 Hours, Lab: 0 Hours).

An examination of current topics in logistics and supply chain management. Readings required from current logistics or supply chain management publications and other related periodicals. May be repeated for credit when topics vary.

LSCM 5398. Risk Management. 3 Credit Hours (Lecture: 3 Hours, Lab: 0 Hours).

The supply chain is a complex sequence of processes, tools, and people involved in producing and distributing products and services. It is inherently susceptible to risk and its associated impacts. This course addresses the supply chain risk management principles and provides learners a strategic framework for risk identification, assessment, monitoring, and control, to benefit the overall firm's performance. The students will learn to examine the nature of supply chain risk, analyze the risk, and mitigate or manage the risk and its associated impact on the firm. In doing so, students will apply research and a range of appropriate risk management tools and techniques to the supply chain. Students will acquire a solid understanding of the supply chain risk management framework. Students will master risk management principles, techniques, models, and tools used to identify, estimate, evaluate, communicate, monitor, and control risks in the supply chain. Students will work in teams to research and address supply chain risks for a real firm or reflect on specific case studies.