

# Department of Supply Chain Management

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The Supply Chain Management program combines logistics and operations management knowledge to provide a comprehensive education for students interested in careers with manufacturers, retailers, consultancies, and logistics services providers. The primary goal of the program is to provide a practical understanding of procurement, operations, logistics, and transportation so that graduates will excel in entry-level management positions, graduate school, and future opportunities.

Information regarding careers, internships, scholarships, and student organizations is available through the program coordinators. College of Business pre-requisites are strictly enforced. Junior standing and compliance with College of Business academic standards are required for all 3000 and above level courses.

Supply Chain Management ([http://bulletin.auburn.edu/undergraduate/collegeofbusiness/schoolofsupplychainmgntscmn/scmn\\_major/](http://bulletin.auburn.edu/undergraduate/collegeofbusiness/schoolofsupplychainmgntscmn/scmn_major/))

Supply Chain Management ([http://bulletin.auburn.edu/undergraduate/collegeofbusiness/schoolofsupplychainmgntscmn/scmn\\_minor/](http://bulletin.auburn.edu/undergraduate/collegeofbusiness/schoolofsupplychainmgntscmn/scmn_minor/))

## Courses

**SCMN 2150 OPS: MANAGEMENT OF BUSINESS PROCESSES (2)** LEC. 2. Fundamental concepts, techniques and tools of business processes. May count either SCMN 2150 or SCMN 3150.

**SCMN 3710 LOGS: MNGT OF FULFILLMENT PROC (3)** LEC. 3. Pr. SCMN 2150 or SCMN 2153 or SCMN 3150 or SCMN 3153. Management of logistics processes involved in meeting customer demand, including inventory, transportation, distribution, and related activities. Fall, Spring, Summer.

**SCMN 3720 TRANS: MNGT OF PRODUCT FLOWS (3)** LEC. 3. Pr. SCMN 2150 or SCMN 2153 or SCMN 3150 or SCMN 3153. Management of transportation operations and the role of transportation in achieving supply chain objectives. Fall, Spring, Summer

**SCMN 3730 PURCHASING: SUPPLY MANAGEMENT AND SOURCING (3)** LEC. 3. Pr. SCMN 2150 or SCMN 2153 or SCMN 3150 or SCMN 3153. In-depth coverage of purchasing and supply management processes, strategies, and tools. Fall, Spring, Summer

**SCMN 3810 PROFESSIONAL DEVELOPMENT IN SUPPLY CHAIN MANAGEMENT (1)** LEC. 1. SU. Pr. P/C BUSI 2010 and (SCMN 2150 or SCMN 3150). SCMN majors only. Career planning and preparation for supply chain internships and professional experience opportunities. Credit will not be given for both SCMN 3810 and BUSI 3010 or SCMN 4810. Fall, Spring.

**SCMN 3910 PRACTICUM IN SUPPLY CHAIN MANAGEMENT (3)** PRA. SU. Pr. (SCMN 2150 or SCMN 2153 or SCMN 3150) and CTCT 3250. Departmental approval. SCMN majors only. Cooperatively selected field activity to gain practical SCM experience. Course may be repeated for a maximum of 6 credit hours.

**SCMN 3920 INTERNSHIP IN SUPPLY CHAIN MANAGEMENT (0-6)** INT. SU. Pr. (SCMN 2150 or SCMN 2153 or SCMN 3710 or SCMN 3713) and (CTCT 3250 or CTCT 3253). SCMN majors only. Professional work experience in a supply chain focused position. Course may be repeated for a maximum of 6 credit hours.

**SCMN 4620 SUSTAINABLE SUPPLY CHAIN MANAGEMENT (3)** LEC. 3. Pr. (SCMN 3710 or SCMN 3713) and (SCMN 3720). Pressure from customers, policy makers and non-governmental organizations compels companies to address the environmental footprint of their operations and the social impact they have on local communities. This course focuses on the "triple bottom line," which addresses how a company must strategically incorporate environmental, social and economic dimensions.

**SCMN 4700 SUPPLY CHAIN PERFORMANCE MANAGEMENT (3)** LEC. 3. Pr. (SCMN 3710 or SCMN 3713) and SCMN 3720 and (CTCT 3250 or CTCT 3253). SCMN majors and minors only. Understanding and managing supply chain performance through the use of metrics, analysis, and improvement strategies. Fall, Spring.

**SCMN 4730 SUPPLY CHAIN TOOLS AND TECH (3)** LEC. 3. Pr. (SCMN 3710 or SCMN 3713) and SCMN 3720. Tools, techniques and technologies of various supply chain processes.

**SCMN 4750 ENTERPRISE SYSTEMS IN SUPPLY CHAIN MANAGEMENT (3)** LEC. 3. Pr. SCMN 4700 and SCMN 4730. This course provides detailed hands-on training on ERP systems using SAP. The course will cover end to end ERP operation, including procurement, manufacturing, sales & distribution, human resources, cost and management accounting, etc. At the end of this class, students who complete it with a B or above will automatically be eligible for their SAP Recognition Certificate provided they have also passed SCMN 4730 and SCMN 4700 with B or above.

**SCMN 4770 SUPPLY CHAIN OPERATIONS MANAGEMENT (3)** LEC. 3. Pr. (SCMN 3710 or SCMN 3713) and SCMN 3720. Review and application of current supply chain strategies processes and information technologies required to compete in today's global marketplace. The course will focus on presenting key manufacturing management techniques used to balance supply with demand to ensure customer satisfaction.

**SCMN 4780 INTEGRATED LOGISTICS STRATEGY (3)** LEC. 3. Pr. SCMN 3710 and SCMN 3720. Pr. SCMN 3710 and SCMN 3720 with a C or better. Strategies and tactics for improving service and financial performance of transportation companies and their customers. Fall.

**SCMN 4800 SUPPLY CHAIN STRATEGY: A GLOBAL PERSPECTIVE (3)** LEC. 3. Pr. (SCMN 3710 or SCMN 3713) and SCMN 3720 and SCMN 3730 and (CTCT 3250 or CTCT 3253). Capstone course providing an intensive study of strategies used to facilitate global flows of product, information, and payments. Fall, Spring, Summer

**SCMN 4820 SUPPLY CHAIN CONSULTING (3)** LEC. 3. Pr. BUAL 2600 and BUAL 2650 and SCMN 3920. Departmental approval. This special topic course is intended to help develop essential skills in planning and executing a company-focused consulting project.

**SCMN 4900 DIRECTED STUDIES IN SUPPLY CHAIN MANAGEMENT (1-3)** LEC/SEM. SU. Pr. (SCMN 3710 or SCMN 3713) and SCMN 3720 and SCMN 3730. Departmental approval. Advanced individual research of SCM topic under direction of a faculty member.

**SCMN 4970 SPEC TOPS IN SUPPLY CHAIN MGMT (3-6)** LEC. 3-6. Pr. SCMN 3710 and SCMN 3720 and SCMN 3730. Departmental approval. Current topics and issues related to the field of supply chain management. Course may be repeated for a maximum of 6 credit hours.

**SCMN 5390 INTEGRATING BUSINESS PROCESSES WITH ERP (3)** LEC. 3. Examination of how integrating business processes in ERP environment promotes strategic alignment and performance gains for an organization. May count either SCMN 5390 or SCMN 6390.

**SCMN 5500 INVENTORY AND WAREHOUSE MANAGEMENT (3)** LEC. 3. Pr. SCMN 3710 and SCMN 3720. Departmental approval. This course focuses on issues related to managing inventories in a supply chain. Topics include: role of inventory in supply chains, inventory-related policies and decisions, and dealing with supply and demand uncertainty. Issues related to safety stock and replenishment planning, impact of lead times, and management of multi-echelon supply chains are covered. Additional issues related to warehousing inventory, such as storage and slotting policies, receiving and put away, order picking strategies and warehouse management are covered.

**SCMN 5600 SUPPLY CHAIN PLANNING (3)** LEC. 3. Pr. SCMN 3710 and SCMN 3720. Departmental approval. This course focuses on long-term and short-term planning of supply chains to provide a strategic fit with business objectives. Topics include: framework for supply chain planning and decision-making, distribution network designs and managing uncertainty, demand forecasting and aggregate planning. Issues related to supply chain coordination and planning for product availability under service levels are also covered. Additional issues related to sales and operations planning, managing economies of scale and revenue management are also covered.

**SCMN 5720 QUALITY & PROCESS IMPROVEMENT (3)** LEC. 3. Pr. (SCMN 2150 or SCMN 2153) and (BUAL 2600 or BUAL 2603 or STAT 2010 or STAT 2017 or STAT 2510 or STAT 2513 or STAT 2610 or STAT 3010 or STAT 3600) and (P/C BUAL 2650 or P/C BUAL 2653) and SCMN 3710 and SCMN 3720. Fundamentals of process improvement; techniques for performing quality control functions; quality management systems.

**SCMN 6390 INTEGRATING BUSINESS PROCESSES WITH ERP (3)** LEC. 3. LAB. 0. Examination of how integrating business processes in ERP environment promotes strategic alignment and performance gains for an organization. Credit will not be given for both SCMN 5390 and SCMN 6390.

**SCMN 6500 INVENTORY AND WAREHOUSE MANAGEMENT (3)** LEC. 3. This course focuses on issues related to managing inventories in a supply chain. Topics include: role of inventory in supply chains, inventory-related policies and decisions, and dealing with supply and demand uncertainty. Issues related to safety stock and replenishment planning, impact of lead times, and management of multi-echelon supply chains are covered. Additional issues related to warehousing inventory, such as storage and slotting policies, receiving and put away, order picking strategies and warehouse management are covered.

**SCMN 6600 SUPPLY CHAIN PLANNING (3)** LEC. 3. This course focuses on long-term and short-term planning of supply chains to provide a strategic fit with business objectives. Topics include: framework for supply chain planning and decision-making, distribution network designs and managing uncertainty, demand forecasting and aggregate planning. Issues related to supply chain coordination and planning for product availability under service levels are also covered. Additional issues related to sales and operations planning, managing economies of scale and revenue management are also covered.

**SCMN 6720 QUALITY & PROCESS IMPROVEMENT (3)** LEC. 3. Pr. BUSI 7120. Fundamentals of process improvement; techniques for performing quality control functions; quality management systems. Fall, Spring. Student should have completed a basic statistics course prior to enrolling in SCMN 6720.

**SCMN 6900 DIRECTED STUDIES (3)** IND. SU. This course is a self-learning course designed to enhance the student's knowledge of a selected topic. The course will be designed individually for each student with agreement between the student and the professor. Coursework may include traditional exams, readings, papers, or more specific projects and tasks depending on the material and the goal of the student. Course may be repeated for a maximum of 9 credit hours.

**SCMN 6960 SPECIAL PROBLEMS (3)** IND. This course is a self-learning course designed to enhance the student's knowledge of a selected topic. The course will be designed individually for each student with agreement between the student and the professor. Coursework may include traditional exams, readings, papers, or more specific projects and tasks depending on the material and the goal of the student. Course may be repeated for a maximum of 9 credit hours.

**SCMN 7600 SUPPLY MNGT AND MANUFACTURING (3)** LEC. 3. Pr. P/C BUSI 7150. The management of purchasing, supply and materials management, manufacturing processes related to the fulfillment of supply chain requirements. Spring.

**SCMN 7700 DEMAND MNGT & FULFILLMENT (3)** LEC. 3. Pr. P/C BUSI 7150. The management of logistical processes related to the fulfillment of supply chain requirements. Primary topics include tin integrated planning, operations, and performance analysis of demand, inventory, transportation, distribution, and customer relationships. Summer.

**SCMN 7770 SUPPLY CHAIN MANAGEMENT (3)** LEC. 3. Problems and analysis in the design and management of the retail, industrial and service supply chain.

**SCMN 7800 SUPPLY CHAIN STRATEGY (3)** LEC. 3. Pr. P/C BUSI 7150. Advanced study of integrated supply chain theory, strategy, and practice. Topics include network design, collaboration, inventory visibility, process synchronization, information management, and financial analysis. Fall.

**SCMN 8990 RESEARCH AND DISSERTATION (1-10)** DSR. Must be degree seeking PhD student in the Business with concentration in the Supply Chain Management program.