

**Undergraduate Supply Chain Courses  
Effective Spring 2020**

Course Number/Title	Course Summary
SCM 300: Global Supply Operations	This course explores modern global integrated supply chain management. Covers traditional supply chain topics such as procurement, inventory management, operations, quality management, customer service, performance management and analytics, logistics and transportation. Also discusses issues related to sustainability, humanitarian logistics, ethical business practices and supply chain analytics in the context of evolving supply chains around the world. Students discover how business processes, performance metrics and modern supply chain IT tools aid in the management and growth of effective and efficient supply chains.
SCM 303: Honors Global Supply Operations	This course provides an overview of supply chain management, specifically for Barrett Honors students. Explains principles and concepts from a managerial perspective and how they are used for decision making. Course topics include supply management, operations management and logistics management as applied to a supply chain system. Discusses planning, forecasting, performance measurement and improvement, and collaboration from the perspective of providing excellent customer service. Current topics of interest include the impact of sustainability, security and globalization on managing today's supply chains with an emphasis on supply chain technology. Class methodology focuses on an open-forum discussion of principles and a detailed analysis of case studies.
SCM 314: Analytics for Logistics	This course focuses on practical tools and technology for real-world decision making, financial and performance analytics.
SCM 315: Business Decision Models	This course Introduces quantitative tools used to aid decision making in supply chain management. The course will focus on analytics using technology and software to include Tableau and Microsoft Excel. Other topics will be the use of tools in performance management, project management and supply chain finance.
SCM 344: Applied Logistics Management	This course presents a synthesis of the principles in global logistics (and supply chain) emphasizing the operation and integration of activities such as transportation, inventory, warehousing, facility location, customer service, packaging and materials handling. Examines applicable technology supporting each activity.
SCM 345: Logistics Management	This course will provide a deep analysis of many logistics services to include: global logistics, customer service and order management, distribution/fulfillment operations, demand and inventory planning and management, network analysis and design, and transportation operations, carrier selection, costing and negotiation. In addition, students will review current logistics technology process support and integration, as well as how emerging technology is changing the future of logistics.
SCM 354: Procurement of Services	This course discusses management of the supply function for logistics-based organizations. Allows students to better understand the nature of procuring a service, contracting that service and establishing appropriate performance metrics. We will also focus on supply chain finance, performance management and analytics.
SCM 355: Supply Management	This course discusses management of the supply function, including organization, procedures, supplier selection, quality, inventory decisions, and price determination. Students will also review project management and governance, supply chain strategy and change management.

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SCM 432: Control Systems Supply Chain Management	This course introduces processes essential to the determination and direction of the flow of resources needed to produce goods and services. Uses Microsoft Excel for supporting analysis. Includes processes, methods, technology and financial impact to forecast, manage inventory, plan needed capacity, determine resources needed for production, determine priority and sequencing of activities, perform master scheduling and material requirements planning.
SCM 445: Advanced Logistics Management	Logistics processes account for approximately 8% of U.S. GDP; therefore, the efficient and effective execution of these processes is critical to supply chain managers in corporations, government entities and nonprofit organizations. Includes an overview of the processes involved to include customer service, performance management, analytics, technology and supply chain strategy. Includes a survey of the institutions and players in the processes, and the analytical tools to evaluate their efficiency and effectiveness.
SCM 455: Research and Negotiation	Supply management ensures an organization has resources (i.e., materials, services, equipment) to deliver on promises to stakeholders. This happens by strategically designing supply systems for categories of spend and creating favorable supply agreements. A real-world class project and a real-time contract negotiation simulation helps students understand (1) the relationship among organizational, supply management and purchase category objectives; (2) frameworks and tools to analyze the supply conditions of a category, specifically spend analysis, market/demand analysis and price/cost analysis; (3) how to develop category strategies to ensure adequate and highest value resource supply into the future; (4) the translation of category strategies into manageable supply contracts; and (5) the requisite skills and processes for planning and executing successful contract negotiations.
SCM 463: Global Supply Chain Management	With increased globalization and offshore sourcing, global supply chain management is becoming an important issue for many businesses. Like traditional supply chain management, the underlying factors behind the trend are reducing the costs of procurement and decreasing the risks related to purchasing activities. The big difference is that global supply chain management involves a company's worldwide interests and suppliers rather than simply a local or national orientation. Enables students to appreciate the challenges of operating supply chains across international boundaries including how to manage various salient issues including sociocultural, economic, technological and political factors that may shape decisions relating to sourcing and moving goods and services across different geographical boundaries.
SCM 479: Supply Chain Strategy	Discusses the management of supply chains at the strategic level and from a systems point of view. Views key supply chain functions, drivers and metrics within an integrated system. Topics include network design, innovation, sustainability, coordination and management of the critical areas of the supply chain. Class methodology focuses on an open-forum discussion of supply chain strategy and a detailed analysis of case studies. Student teams investigate and report on current news and trends in supply chain management. The class will also focus on customer management as now-a-days customer management is quintessential. Other topics that class brush upon are technology enablement, project management and governance, finance, performance management and analytics. In this course we will discuss supply chain strategy at the strategic level and from a systems point of view in an open-forum and detailed analysis of case studies. Students will work in teams to investigate and report on key supply chain functions, drivers and metrics within an integrated system to include network design, innovation, technology enablement, customer service, sustainability, coordination and management of the critical areas of the supply chain. Additional focus on project management, corporate social responsibility and governance and financial implications will be included.