

# SUPPLY CHAIN MANAGEMENT (SCMT)

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[NOTE: To register for SCMT courses, refer to the instructions in the comments on the course schedule.]

**SCMT 28000: SEM:: 1-4 Hour(s)**

SEMINAR: ~

**SCMT 28100: INDEPENDENT STUDY: 1-4 Hour(s)**

INDEPENDENT STUDY ~

**SCMT 30100: FORECAST & LOGISTICS: 3 Hour(s)**

FORECAST & LOGISTICS ~ This course provides a broad overview of the planning and execution of customer demand. It is divided into two parts: forecasting and logistics. In the first segment, we cover the three major building blocks of logistics networks: transportation, warehousing, and inventory. After completing this section, you will be able to differentiate the advantages and disadvantages of different modes of transportation. You will understand what goes into designing and setting up a warehouse facility. Finally, you will be able to discuss the development of logistic networks that minimize costs and deliver top customer service. In the second segment, we cover planning and forecasting. Managing supply and demand requires planning. You will master different forecasting techniques essential for building a sales and operations plan. At the completion of this section, you will have the tools and techniques to analyze demand data, construct different forecasting techniques, and discuss the most suitable one for projecting future demand. This course has weekly assignments and includes the option to attend live Zoom class sessions. One weekly 90-minute class session will be scheduled with the instructor during the first week of class.

**SCMT 31000: SOURCING AND OPERATIONS: 3 Hour(s)**

SOURCING AND OPERATIONS ~ This course provides an overview of sourcing and operations. It is divided into two parts. In the first part, students will learn the key components of sourcing: supplier selection, supplier segmentation, make vs buy decisions and supplier relationships. In the second part, students will learn both the Lean Inventory methodology and the Six Sigma methodology. This will allow them to improve supply chain operations. Students will have the opportunity to apply this knowledge to a product of their choosing. Lastly the course will be supplemented by guest lecturers who have significant experience in supply chain management. This course has weekly assignments and includes the option to attend live Zoom class sessions. One weekly 90-minute class session will be scheduled with the instructor during the first week of class.

Prerequisite: SCMT 30100

**SCMT 38000: SEM:: 1-4 Hour(s)**

SEMINAR ~

**SCMT 48000: SUPPLY CHAIN CAPSTONE: 3 Hour(s)**

SUPPLY CHAIN CAPSTONE ~ This course asks students to apply the skills they have learned in their business and supply chain management education to a series of challenges. In the first part, students solve challenges in logistics, operations, planning, and sourcing faced by a fictional company. In the second part, students will be tasked with addressing a real supply chain problem, and will work in groups to produce a solution which will consist of a report and a presentation. In this capstone project, students will take on the role of supply chain consultants, redesigning the existing supply chain of a consumer products company with the goals of implementing lean inventory management, and using six sigma processes to improve efficiency and allow the company to bring new products to market more rapidly. At the end of the course, students will therefore have real world experience that they can show employers as part of a larger portfolio. Students will also have the opportunity to present their final projects to supply chain professionals, which will allow them to gain an understanding of how their knowledge will interact with the real world and will serve as a de-facto screening process for a coveted role within the industry. Prerequisite: SCMT 30100 and SCMT 31000

**SCMT 48100: INDEPENDENT RESEARCH: 1-4 Hour(s)**

INDEPENDENT RESEARCH ~

**SCMT 49800: INTERNSHIP: 4 Hour(s)**