

# HEALTHCARE LOGISTICS AND SUPPLY CHAIN MANAGEMENT (HLSC)

## Healthcare Logistics and Supply Chain Management Graduate Courses

### HLSC 8066 HEALTHCARE ANALYTICS FOR BUSINESS (3 credits)

This course will focus on the mixing of analytics and technology to develop key performance indicators that integrate and evaluate clinical, administrative, and financial performance. Concepts in this course explore the intersection of information management, performance metrics, data visualization, and result communication spanning across the healthcare ecosystem. Topics covering health outcome analysis, financial performance, developing analytic strategies, data quality and governance, and the four stages of actionable intelligence are all used to educate the advantages of leveraging analytics. (Cross-listed with BSAD 8066, MGMT 8066, MGMT 4060, SCMT 8066, SCMT 4060).

**Prerequisite(s):** Admission to Graduate College, MBA Program, Healthcare Logistics and Supply Chain Management program, or by permission of the instructor. Not open to non-degree graduate students.

### HLSC 8076 INTERNATIONAL LOGISTICS MANAGEMENT (3 credits)

This course will focus on the logistics of international trade and how managers facilitate the flow of goods and services in import and export environments. Students will learn about infrastructure and business practices needed to manage international transportation, communications, services, and regulatory requirements. Students will develop an understanding of international terms of trade, transaction risk management, and location decisions for placement of warehouses and distribution centers. (Cross-listed with BSAD 8076, SCMT 4070, SCMT 8076).

**Prerequisite(s):** Admission to Graduate College, MBA Program, Healthcare Logistics and Supply Chain Management program, or by permission of the instructor. Not open to non-degree graduate students.

### HLSC 8176 EMERGING TRENDS IN SUPPLY CHAIN MANAGEMENT (3 credits)

This course will focus on trends influencing supply chain management and design in the 21st century. Key concepts in this course will include contemporary opportunities and challenges in creating customer value via the supply chain with a focus on globalization and risk management. Specific topics will include the influence of the empowered customer on supply chain design, global supply chain trends, and the need for integration of technology and talent to create a competitive advantage. (Cross-listed with BSAD 8176, SCMT 4170, SCMT 8176).

**Prerequisite(s):** Admission to Graduate College, MBA Program, Healthcare Logistics and Supply Chain Management program, or by permission of the instructor. Not open to non-degree graduate students.

### HLSC 8336 PROJECT MANAGEMENT (3 credits)

This course focuses on the systemic exploration of planning and executing complex projects to create organizational success. Using a comprehensive understanding of principles, methodologies, and tools within project management, students will learn how to initiate critical processes, plan objectives and constraints, execute management and leadership, monitor budgets and development, and close outcomes of complex projects. Skills obtained from this course enhance individuals' ability to recognize, identify, and prioritize organizations' culture and structure to lead projects across various industries efficiently. (Cross-listed with BSAD 8336, MGMT 8336, MGMT 4330, SCMT 4330, SCMT 8336)

**Prerequisite(s):** Admission to Graduate College, MBA Program, Healthcare Logistics and Supply Chain Management program, or by permission of the instructor. Not open to non-degree graduate students.

### HLSC 8356 GLOBAL SOURCING AND INNOVATION (3 credits)

This course focuses on global suppliers as partners in the development and commercialization of new products. Students will learn about open innovation and the integration of internal and external business systems in new product innovation. Students will develop an understanding of regulatory policies related to information sharing and the intellectual property rights of buyers and suppliers. (Cross-listed with BSAD 8356, SCMT 4350, SCMT 8356).

**Prerequisite(s):** Admission to Graduate College, MBA Program, Healthcare Logistics and Supply Chain Management program, or by permission of the instructor. Not open to non-degree graduate students.

### HLSC 8376 SUPPLY CHAIN ANALYTICS (3 credits)

This course focuses on integrating supply chain management through the use of key performance indicators. Key concepts in this course include data visualization, supplier performance metrics, service-dominant logic, and the supply chain for data. Specific topics include the influence of the empowered customer on supply chain metrics, using metrics to develop a competitive advantage, data-driven decision making, and the four stages of actionable intelligence. (Cross-listed with BSAD 8376, SCMT 4370, SCMT 8376).

**Prerequisite(s):** Admission to Graduate College, MBA Program, Healthcare Logistics and Supply Chain Management program, or by permission of the instructor. Not open to non-degree graduate students.

### HLSC 8386 INDUSTRIAL PURCHASING AND LOGISTICS MANAGEMENT (3 credits)

This course will focus on the strategic procurement of products and services in order to gain a competitive advantage through integrated supply management. Students will learn about strategic supply management, contract negotiation, and supplier quality management. Students will develop an understanding of supplier performance management through the use of supply chain information systems. (Cross-listed with BSAD 8386, MKT 4380, SCMT 4380, SCMT 8386).

**Prerequisite(s):** Admission to Graduate College, MBA Program, Healthcare Logistics and Supply Chain Management program, or by permission of the instructor. Not open to non-degree graduate students.

### HLSC 8456 MANAGERIAL NEGOTIATION STRATEGIES (3 credits)

This course introduces students to the theory and practice of negotiation across various organizational settings. The ability to successfully negotiate an outcome is an important aspect of management and leadership. Negotiation can be used to determine multiparty relationships, manage conflict resolution, and improve organizational outcomes. Using a combination of conceptual frameworks, roleplaying exercises, and debriefing opportunities, the design of this course is structured to help students understand the power and influence negotiation has over the successful outcomes of managers, leaders, and organizations. (Cross-listed with BSAD 8456, MGMT 4450, MGMT 8456, SCMT 4450, SCMT 8456).

**Prerequisite(s):** Admission to Graduate College, MBA Program, Healthcare Logistics and Supply Chain Management program, or by permission of the instructor.

**HLSC 8680 SUPPLY CHAIN INTEGRATION (3 credits)**

This course will focus on the integration of internal and external systems designed to maximize the efficiency and effectiveness of supply chain networks developed by industrial organizations, government agencies, and not-for-profit organizations. Key concepts will include supply chain design, trends in technology, and cross-functional collaboration, coordination, and communication along the value chain. Specific topics will include the influence of empowered customers on supply chain integration, global supply chain trends, closed-loop supply chains, and the challenges and benefits of integrating technology and talent in the workplace. Students enrolled in the Master's in Healthcare Logistics and Supply Chain Management program should consult with their advisor about this course satisfying that degree's capstone requirement. (Cross-listed with BSAD 8680, SCMT 8680).

**Prerequisite(s):** Admission to Graduate College, MBA Program, Healthcare Logistics and Supply Chain Management program, or by permission of the instructor. Not open to non-degree graduate students.

**HLSC 8710 SUPPLY CHAIN MANAGEMENT (3 credits)**

This course will focus on supply chain management as a key functional area of organizational success. Students will learn about current techniques used by supply chain practitioners to make strategic and tactical decisions that support the overall strategy and day-to-day operations of an organization. Students will develop an understanding of how supply chain decisions and appropriate metrics of performance can be utilized to improve the operational efficiency and effectiveness of an organization. (Cross-listed with BSAD 8710, SCMT 8710).

**Prerequisite(s):** Admission to Graduate College, MBA Program, Healthcare Logistics and Supply Chain Management program, or by permission of the instructor. Not open to non-degree graduate students.