

Logistics & Supply Chain Resilience

LSCR 100

Introduction to Logistics [RE] • 5.0 Credits

This course will cover the function of logistics and its impact on industries and the global economy. It will survey the various modes as well as the risks and challenges of a worldwide logistics enterprise. The course also introduces tools, techniques, and technology employed in logistics.

LSCR 101

Intro to Purchasing and Supply Chain Management [RE] • 5.0 Credits

This course covers the role of Purchasing and Supply Chain Management in the management of goods, services, information, and finance, across the globe from raw material inputs to delivery of products and services to customers and end consumers. The course introduces the integration of operations, logistics, and supply chain management that is critical for competing in the global marketplace.

LSCR 150

Introduction to Supply Chain Resilience [RE] • 5.0 Credits

The course examines common elements identified in disruptions to the supply chain, typical responses, and the importance of maintaining a resilient supply chain in a global economy. The course covers topics such as capability to respond, agility and adaptation, and developing a recovery plan. **Prerequisite: Completion of LSCR 100 and LSCR 101 with a 1.0 or better.**

LSCR 220

Supply Chain Analytics [RE] • 5.0 Credits

This course explores the concepts, principles and analysis used to plan, organize, and manage the supply chain and logistics. Important analytical analysis methods used in the supply chain are covered including data visualization, demand forecasting and planning resource, allocation simulations, outsourcing analysis, inventory control models, transportation, and network optimization. **Prerequisite: Completion of LSCR 100 and LSCR 101 with a 1.0 or better.**

LSCR 230

Contract Management [RE] • 5.0 Credits

This course covers the contract management process through the different phases of Pre-Award, Award, and Post-Award. The class will explore policies, common practices, techniques in negotiation, the roles and responsibilities of the contract manager, and the importance of contract management in the context of supply chain and logistics.

LSCR 240

Enterprise Resource Planning Systems [RE] • 5.0 Credits

Examines multiple systems common to the business enterprise and their application in supply chain and logistics. Topics include enterprise integration of processes and data, inventory management, master scheduling, and material and capacity planning. **Prerequisite: Completion of LSCR 101 with a 1.0 or better.**

LSCR 250

Advanced Supply Chain Resilience [RE] • 5.0 Credits

This course explores more advanced techniques in supply chain resilience such as continuous improvement models, cybersecurity, crisis response, natural disaster and pandemic planning, physical security, and navigating the political environment. The course explores the importance of partnerships, supplier development, capacity planning and forecasting, multi-sourcing, nearshoring, and supplier diversity. **Prerequisite: Completion of LSCR 100, LSCR 101, and LSCR 150 with a 1.0 or better.**

LSCR 260

Contemporary Topics in Global Supply Chain Management [RE] • 5.0 Credits

The course covers recent trends, challenges, methods, policies, and the importance of importing and exporting to the global economy. This course introduces the idea of international trade which impacts logistics and supply chain management. **Prerequisite: Completion of LSCR 100 and LSCR 101 with a 1.0 or better.**

LSCR 280

Logistics and Supply Chain Resilience Capstone [RE] • 5.0 Credits

Analyze data and case studies and resolve issues presented in supply chain management cases, specifically related to supply chain risk management, and logistics problems, and develop a reaction plan.

Prerequisite: Completion of LSCR 100, LSCR 101, LSCR 150, LSCR 220, LSCR 230, LSCR 240, LSCR 250, and LSCR 260, all with a 1.0 or better.