

# SLM - LOGISTICS SUPPLY CHAIN MNGMNT

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## **SLM 2003 Supply Chain Management (2-2-3)**

Focuses on the design, planning, control, and improvement of supply chains for competing effectively in the context of global operations. Topics include supply chain structure and configuration, approaches to intra-organizational and inter-firm integration, and complexities of material, information, and cash flows across international borders.

## **SLM 2103 Supply Chain Operations (2-2-3)**

Examines important concepts and issues involved in managing the supply chain operations of a business enterprise. It covers important concepts, issues, and methods of an operations planning and control system such as the transformation process, material planning framework, sales & operations planning, resource plan, master scheduling, material planning, detailed capacity planning, production activity control, and strategic implementation of MPC systems.

**Prerequisites:** OPM 2103

## **SLM 3003 Supplier Management (2-2-3)**

Investigates the concepts and main activities in procurement and supplier management. Examine the fundamental logic and commonly used practices in making procurement and supply decisions. Focus on evaluation and analysis of suppliers with emphasis on supplier selection model. Studies the procurement and supply functions from a management perspective and the general principles in choosing sound purchasing and supply strategies. Use a real-life scenario to design a focal firm's strategy for interacting with its suppliers.

## **SLM 3023 Procurement Management (2-4-3)**

Examines appropriate tools and techniques that can be used to enable organizations to assess sourcing options when procuring goods, services or work from external suppliers. Best practices in sourcing and procurement within a domestic and global supply chain context will be reviewed. Develops coherent understanding of important concepts such as strategic sourcing in relation to procurement, supplier evaluation and selection, developing a plan for sourcing, and the main processes in sourcing requirements.

**Prerequisites:** LAW 3103, SLM 3003

## **SLM 3103 Warehouse and Distribution Management (2-2-3)**

It focuses on the effective management of warehousing and distribution, which are vital to fulfilling customer demand and the ultimate success of a supply chain. Provides an overview of the trade-offs of the transportation function and finding locations for distribution facilities within a supply chain. Covers the key elements of warehousing and distribution operations, focusing on ensuring optimal logistical performance. Introduces the importance of using Warehouse Management Systems to efficiently manage the daily warehouse and distribution management business.

## **SLM 3113 Logistics Management (2-2-3)**

This course equips students with the fundamental knowledge and practical skills necessary to excel in the dynamic field of logistics and supply chain management. This comprehensive program covers essential concepts, strategies, and tools used in the efficient movement and management of goods and services across various industries. Through theoretical learning and hands-on experience, students will gain insight into the entire logistics process. Emphasis is placed on developing critical thinking, problem-solving, and decision-making abilities to address real-world logistics challenges.

## **SLM 3616 SLM Industry Project I (0-24-6)**

Equips students with the knowledge and practical skills necessary to excel in the dynamic field of logistics and supply chain management. It covers essential concepts, strategies, and tools used in the efficient movement and management of goods and services across various industries. Through hands-on experience, students will gain insight into the entire logistics process, from procurement and transportation to warehousing and distribution. Emphasis is placed on developing critical thinking, problem-solving and decision-making abilities to address real-world logistics challenges effectively.

## **SLM 4003 Supply Chain Risk Management (2-2-3)**

This course equips students with the knowledge and tools necessary to mitigate risks and drive resilience across complex supply chain networks. Develop skills in risk identification, assessment, and mitigation, utilizing both qualitative and quantitative approaches. Explore resilience planning and continuity management strategies to enhance supply chain adaptability. Learn industry best practices, regulatory compliance, and the application of technology in risk management. Navigate disruptions effectively and optimize supply chain performance in dynamic global environments.

**Prerequisites:** SLM 2003

## **SLM 4023 Supply Chain Auditing (2-2-3)**

Examines supply chain auditing, covering models, techniques and methodologies necessary to understand, plan, conduct, and evaluate auditing processes. Focuses on professional standards, technical skills and core competencies of the supply chain auditors, applicable to the preparation, performance, reporting, follow-up and closure of the auditing process. Explaining how to identify and eliminate potential risks, ensure compliance with regulatory and customer requirements to drive continuous improvement in ensuring supply chain operations adherence to all relevant laws and industry standards.

**Prerequisites:** SLM 2003, OPM 2103

## **SLM 4043 Lean Supply Chain Management (2-2-3)**

Course start with explanation of Lean concepts and 7 types of waist. It leads learners through detailed methodology in Lean transformation, giving them applied knowledge in most advanced methods and tools for value adding activities and processes identification and improvement. The course further on spreads the knowledge to entire supply chain, examining the terms and concepts for lean transformation throughout supply chain.

**Prerequisites:** SLM 2003, SLM 2103

## **SLM 4103 Inventory Management (2-2-3)**

The course equips students in skills and knowledge through three parts. The first part covers core inventory concepts, cost analysis, and control systems, focusing on deterministic models such as EOQ and reorder points. The second part explores stochastic models, demand uncertainty, safety stock, and forecasting for optimization, using case studies for practical learning. The final part addresses multi-item management with ERP integration, ending with hands-on simulations which results in final project, analyzing real-time data in inventory decision process.

**Prerequisites:** SLM 3103, SLM 3113

## **SLM 4113 Negotiating and Contracting in Procurement (2-2-3)**

Investigates the basic concepts and main activities in negotiating and contracting from a procurement and supply chain management perspective. Deals with the different aspects and approaches to negotiations and look in detail at the negotiations process. Also looks at tendering as procurement tool. Examines the legal aspects of purchasing, including contract management from a procurement perspective.

**SLM 4123 Managing Relationships in Procurement (2-2-3)**

Discusses, analyses and applies business relationship management concepts from the perspective of the procurement manager. This includes contract management, assessing the relationship management approach, evaluating supplier performance, and the creation of initiatives to improve buyer/supplier capabilities and performance.

**Prerequisites:** SLM 4033, SLM 3023

**SLM 4133 Port Management (2-4-3)**

**Prerequisites:** SLM 3113, OPM 2103

**SLM 4213 Logistics and Supply Chain Capstone Project (2-2-3)**

This course is a competency-based research project where students apply logistics and supply chain knowledge to real-world challenges. They will identify industry problems, design research methods, collect and analyze data, and propose solutions. Projects may involve industry collaboration for hands-on learning. The course develops critical thinking, problem-solving, and professional research communication skills, preparing students for decision-making in logistics and supply chain management.

**Prerequisites:** BUS 3123

**SLM 4716 SLM Industry Project II (0-24-6)**

Through hands-on experience, students will gain insight into the activities in Port (sea port or air port) management, and will take an active part in reaching sustainability through logistical activities. Emphasis is placed on developing critical thinking, problem-solving, and decision-making abilities to address real-world logistics challenges effectively.

**Prerequisites:** SLM 3616