

Module Synopses

Certificate in Supply Chain Management

Global Supply Chain Management

This module provides the basic concepts and global perspective of supply chain management (SCM) and its relation to international business strategy. It covers end-to-end global supply chains and processes, particularly in supply chain strategies, sourcing, inventory management, distribution, transportation, reverse logistics and supply chain outsourcing. In addition, the impact and role of information technology will also be discussed.

Distribution and Supply Chain Coordination

This module provides the understanding of distribution operations from the perspective of transportation and warehousing. Topics covered include roles of transportation in supply chain, distribution resource planning, distribution channels, protective packaging technology, unit loads, containers and carrier compatibility, economics in transportation, transportation and customer service levels. It also discusses the importance of efficient logistics operations.

Trade Documentation and Transport Management

This module introduces students to the basics of import/export and trade documentation from a trader's perspectives. It introduces essential trade and shipping documents, methods of payment, INCO terms and the practical aspects of importing and exporting goods in Singapore, including customs procedures.

Certificate in Supply Chain Innovation

Supply Chain Analytics & Finance

This module introduces the basic business analytics skills to students, allowing them to gain supply chain business insights through raw data and apply this skillset across different industries. Excel will be used to identify patterns and trends, and Dashboards for analysis and presentation. Linear Regression is applied to raw data to establish relationships. The analytics skills will also be extended to supply chain finance, in particular the SCOR Metrics, and how it impacts business.

Supply Chain Process Automation

This module provides students with an understanding of how new solutions integrate with existing technologies and innovate processes to improve customer service, reduce costs and streamline supply chains. Students will have hands-on experience in Enterprise Resource Planning system and other automation tools such as Robotics Process Automation.

Supply Chain Innovation Management

This module provides students with the concept of Design Thinking and Lean Management. Design thinking tools such as customer lifecycle and user journey, observation and interviews will be taught in order to reveal opportunities to continue with successful interactions and also opportunities for service and process innovation. The integration of LEAN concepts such as value mapping, and identification and elimination of wastes and other inefficiencies, will also enable students to quantify the process opportunities for process enhancements.