

Module Title:	Supply Chain Management
Language of Instruction:	English
Credits:	5
NFQ Level:	8
Module Delivered In	No Programmes
Teaching & Learning Strategies:	A combination of methods including lectures (live, online and pre-recorded), discussions, case studies, readings and self-directed learning will be used
Module Aim:	The aim of this module is to teach students the current concepts of Supply Chain Management in both a product and services driven environment.
Learning Outcomes	
<i>On successful completion of this module the learner should be able to:</i>	
LO1	Demonstrate detailed knowledge of the strategic importance of Supply Chain Management (SCM) in the global competitive business environment
LO2	Understand the interaction between SCM and other functional areas of business
LO3	Apply the theoretical aspects of (SCM) to resolve SCM problems.
LO4	Interpret the key terms, concepts and practices for planning, organising and controlling resources in order to improve quality, efficiency and costs of both product and service operations.
LO5	Demonstrate a detailed understanding of the factors that influence Supply Chain network structure, Supply Chain business processes and Supply Chain Management components
Pre-requisite learning	
Module Recommendations <i>This is prior learning (or a practical skill) that is recommended before enrolment in this module.</i>	
No recommendations listed	
Incompatible Modules <i>These are modules which have learning outcomes that are too similar to the learning outcomes of this module.</i>	
No incompatible modules listed	
Co-requisite Modules	
No Co-requisite modules listed	
Requirements <i>This is prior learning (or a practical skill) that is mandatory before enrolment in this module is allowed.</i>	
No requirements listed	

Module Content & Assessment

Indicative Content

Understanding the Supply Chain

Goals of a supply chain, impact of supply chain decisions, key supply chain decision phases, the cycle and push/pull views of a supply chain, supply chain macro processes in a firm.

Supply Chain Performance: Achieving Strategic Fit and Scope

Why achieving strategic fit is critical to a company's overall success, how does a company achieve strategic fit between its supply chain strategy and its competitive strategy, the importance of expanding the scope of strategic fit across the supply chain, the major challenges that must be overcome to manage a supply chain successfully

Network Design in the Supply chain, factors influencing supply

The role of network design in a supply chain, factors influencing supply chain network design decisions, framework for making network design decisions, optimization for facility location and capacity allocation decisions

Designing Global Supply Chains

Factors that need to be included in total cost when making global sourcing decisions, uncertainties that are particularly relevant when designing global supply chains, strategies that may be used to mitigate risk in global supply chains, decision tree methodologies used to evaluate supply chain design decisions under uncertainty.

Sales and Operations Planning

Managing supply and demand to improve synchronization in a supply chain, using sales and operations planning to maximize profitability.

Coordination in the Supply Chain

Supply chain coordination and the bullwhip effect, obstacles to coordination, managerial levers that help achieve coordination, collaborative planning, forecasting, and replenishment.

Sourcing Decisions in the Supply Chain

Understanding the role of sourcing in a supply chain, Factors that affect the decision to outsource a supply chain function, Dimensions of supplier performance that affect total cost, Sharing risk and reward, Tailoring supplier portfolios.

Supply Chain Sustainability

Understand the importance of sustainability in a supply chain, challenges to sustainability, key dimensions of sustainability for a supply chain, the role of incentives for successful sustainability.

Assessment Breakdown	%
Continuous Assessment	40.00%
End of Module Formal Examination	60.00%

Continuous Assessment

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Essay	Learners will be required to demonstrate the achievement of the learning outcomes through continuous assessment work which will take the form of a Research Project	1,2,3	40.00	Sem 1 End

No Project

No Practical

End of Module Formal Examination

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Formal Exam	Final examination	1,2,3,4,5	60.00	End-of-Semester

SETU Carlow Campus reserves the right to alter the nature and timings of assessment

Module Workload

Workload: Full Time		
<i>Workload Type</i>	<i>Frequency</i>	<i>Average Weekly Learner Workload</i>
Lecture	12 Weeks per Stage	3.00
Independent Learning	15 Weeks per Stage	5.93
Total Hours		125.00

Workload: Part Time		
<i>Workload Type</i>	<i>Frequency</i>	<i>Average Weekly Learner Workload</i>
Lecture	Per Semester	0.64
Independent Learning Time	Per Semester	3.16
Work - based Learning	Per Semester	1.20
Total Hours		125.00

