

Virtual Visiting Professors Erasmus+

Erasmus+ Strategic Partnerships for Higher Education: 2020-1-CZ01-KA226_HE-094462

Course Syllabus

Course Title:	Supply Chain Management
Teaching hours:	2 hours of lectures + 2 hours of seminars
General	The objective of the course is to acquaint students with the concept of supply
objective:	chain management and enable them to understand the functioning of
	individual processes in supply chains and especially the associated logistics
	systems. Also, the aim of the course is to acquire basic knowledge about the
	coordination of several members of the supply chain as a basis for optimizing
Topiosi	the processes of supply chain management in practice.
Topics: 1	Introduction to SCM – definition of supply chain management, difference
1	between SCM and logistics, areas of SCM
2	Supply Chains and Networks – elements, flows and members of supply
2	chains, supply networks,
3	Process Management – different approaches to supply chain
-	management processes
4	Supply Chain Network Design – decisions, factors and costs of supply
	chain network design, most often types of supply chain networks
5	Demand Management 1 – elements of demand management, basics of
	demand forecasting, role and costs of demand forecasting,
6	Demand Management 2 – basic forecasting methods, CPFR, S&OP
7	Coordination and Integration in Supply Chain - effects of lack of
	coordination in the supply chain, bullwhip effect: appearance, reasons,
0	effects, obstacles and solutions, dimensions of integration in SCM.
8 9	Inventory management 1 – key inventory costs, cycle inventory, EOQ Inventory management 2 – safety stocks, multiechelon inventory
3	management, inventory fulfilment strategies
10	Transportation and Warehousing in Supply Chain - transport network
	design, forms of cooperation in transport in the supply chain: pallet
	networks, telematics, synergy effects of warehousing in SCM, cross
	docking.
11	ICT in SCM - objective and division of ICT in supply chain management.
	Levels and ICT support of SCM processes, integrated information systems.
12	Metrics in SCM - defining and role of metrics in SCM, advantages and
	potential problems of metrics implementation, measurement tips, SCOR
10	model.
13	Lean and Mapping for Supply Chain
14	Strategic sourcing - insourcing or outsourcing decisions, benefits and risks of outsourcing, sourcing processes, basic sourcing contracts in SCM
	naka or outsourcing, sourcing processes, basic sourcing contracts in SCIM

