

Unit: Procurement & Logistics Management	Guided Learning Hours: 220		
Exam Paper No.: 4			
Prerequisites: Basic knowledge of business	Corequisites: A Pass or better in Certificate in		
procedures.	Business Studies or equivalence.		
Aim: This course outlines the role of procurement and logistics in supply management. Logistics can be divided into materials and distribution management. The core of logistics is planning, controlling and implementation. This course focuses on the 7Rs of logistics; getting product(s) in the right quantity, in			
right condition, at the right time, at the right place, t			
Learners will learn the importance and role played by procurement and logistics in the global economy.			
On completion of the course, learners will fully understand what logistic is, its concepts and how			
distributors and suppliers can be more efficient and effective; the control of logistics in setting goals, performance, planning and strategy; how manufacturing companies convert raw materials (production)			
and have the products distributed and transported al			
and collaboration processes; including the risks with			
Required Materials: Recommended Learning	Supplementary Materials: Lecture notes and tutor		
Resources.	extra reading recommendations.		
Special Requirements: None			
Intended Learning Outcomes:	Assessment Criteria:		
1. Understand the importance of logistics in supply chain value chain creation, its dimensions both at national and international level and the	1.1 Describe logistics role in manufacturing, inventory and distribution in fulfilling both customer and business needs.		
technologies that play a vital role.	1.2 Explore logistics history over the years.		
technologies that play a vital role.	1.3 Describe dimensions of logistics such as;		
	customer service, inventory management,		
	procurement (supply process),		
	transportation and distribution and storage.		
	1.4 Be able to explain the functions of distribution and transport related activities.		
	1.5 Explain 6Rs of reverse/inverse logistics.		
	1.6 Define and describe goals of performance		
	indicators.		
01.	1.7 Assess the importance of outsourcing in logistics.		
9	1.8 Be able to describe Value Network		
Ŝ	Technology uses, benefits and		
	disadvantages.		
2. Understand the importance of strategic planning; including the different levels of planning within the manufacturing system in order	2.1 Be able to make strategic plans for manufacturing.		
planning within the manufacturing system in order	2.2 Demonstrate different manufacturing plans;		
to manage demand; ranging from customer order,	including Sales and Operations Planning,		
forecast processes and historic data calculation	Master Production Scheduling, Order		
methods.	planning and Production activity control.		
	2.3 Describe manufacturing planning hierarchy.		
	2.4 Be able to calculate maximum/normal		
	capacity. 2.5 Demonstrate knowledge of customer		
	orders/reservations, planned production		
	(MSP), Projected Available Balance (PAB)		
	/ Projected on hand inventory and Available		
	to Promise (ATP).		
	2.6 Describe judgmental (qualitative methods)		
	and (quantitative methods) forecast		
	processes and how to make calculations.		

	2.7	Evaluate forecast errors in order to identify
	,	both random and systematic errors.
	2.8	Be able to differentiate independent vs
	2.0	dependent demand.
	2.9	Demonstrate push vs pull demand.
		F F
	3.1	Demonstrate reorder point calculations.
3. Understand the decisions included in	3.2	Describe how material requirement planning
planning when and how much to order; material		method works.
management, material requirements planning	3.3	Be able to demonstrate Kanban system.
methods and processes of ensuring efficient and	3.4	Demonstrate lot size problem, the
effective transportation systems.		implications and effective resolution
		strategies.
	3.5	Explain safety mechanisms to control
		elements of uncertainty in material flows
		involving both requirements and supplies.
	3.6	Describe transport consolidation and its
		effect on delivery lead time, cost, the
		environment etc.
	3.7	Explore varies ways of dealing with
		required capacity and available capacity.
	3.8	Describe tracking and tracing
		characteristics.
	3.9	Explain factors that determines the price of
		a transport.
	4.1	Differentiate procurement and operational
4. Understand the procurement process,		processes.
associated supply chain risks, supply contracts	4.2	Explore both customer and supplier
and material procurement financial	Ó _a	procurement process.
considerations.	4.3	Evaluate supply contracts.
	4.4	Describe procurement Total Cost of Ownership.
	4.5	Explain supplier evaluation process and
	7.5	criterias.
	4.6	Identify complexities, issues and supply
	1.0	chain risks.
	4.7	Describe characteristics of functional
	1.,	products vs innovative products.
9		products as mine vality of products.
<u></u>	5.1	Describe the variations in demand and
5. Understand supply chain negative effects		associated bullwhip effect.
and complexities associated with the supply chain;	5.2	Explore fluctuations time line between
including the emerging practices to counteract		different stakeholders i.e. from shop to raw
these effects.		material producer.
	5.3	Explain reasons behind cascading effects of
		bullwhip effect.
Y	5.4	Highlight the effects of time delays within
		supply chain and how this can be rectified.
	5.5	Explore long delivery times and lack of
		delivery precision (precise delivery
		scheduling).
	5.6	Explain the driving forces towards increased
		co-operation.
	5.7	Identify supply chain collaboration
	5 0	concepts.
	5.8	Explore supply chain design and risk
		management strategies.

Methods of Evaluation: A 2½-hour essay written examination paper with 5 questions, each carrying 20 marks. Candidates are required to answer all questions. Candidates also undertake project/coursework in Procurement & Logistics Management with a weighting of 100%.

Recommended Learning Resources: Procurement & Logistics Management

Recommended Learning Resources: Procurement & Logistics Management		
Text Books	 Logistics and Supply Chain Management by Martin Christopher. ISBN-13: 978-1292083797 Supply Chain Management: Strategy, Planning, and Operation by Sunil Chopra. ISBN-13: 978-1292257891 	
	Global Logistics and Supply Chain Management by John Mangan, Chandra Lalwani, Agustina Calatayud. ISBN-13: 978-1119702993	
Study Manuals	BCE produced study packs	
CD ROM	Power-point slides	
Software	None	
None None None None None None None None		