

Level 5 Diploma in Logistics & Supply Chain (850) 145 Credits



Unit: Business Strategy & Operational Research Guided Learning Hours: 220		
Exam Paper No.: 3	Number of Credits: 22	
Prerequisites: Basic knowledge of business	Corequisites: A Pass or better in Certificate in	
procedures.	Business Studies or equivalence.	
Aim: This course outlines business operational str	ategies in a given case study. Learners will be	
introduced to Linear Programming models. The ai	m of this course is to ensure understand transition	
plans, key players in a selected sector, business types and supply chain sustainability. Quantitative		
decision is enhanced through practical Linear Prog	gramming model implementation using Excel.	
On completion, learners would understand the pro	cess of integrating business strategy and business	
operations.	Ś	
Required Materials: Recommended Learning	Supplementary Materials: Lecture notes and	
Resources.	tutor extra reading recommendations.	
Special Requirements: None		
Intended Learning Outcomes:	Assessment Criteria:	
1. Using a business case, understand the	1.1 Describe the transition stages involved.	
factors behind such a business model and	1.2 Describe contributing factors making	
challenges that might be faced.	the chosen business case important. 1.3 Describe capital expenses involved.	
	4 1	
	1.4 Describe factors affecting investments. 1.5 Demonstrate innovations behind the	
	business case.	
	1.6 Explore the business case strategy.	
	Explore the business case strategy.	
2. Understand how to create opportunities	2.1 Describe product substitutes.	
and analyse product and company level of	2.2 Describe business challenges that could	
analysis of the business case to assess prime	be faced.	
products and competitors already in such	2.3 Demonstrate category levels involved	
business sector.	from research to commercial	
	application.	
21	2.4 Describe different business legal	
	structures.	
\$	2.5 Demonstrate how supply chain can be	
255	included in the business case model	
	21 5 7 1 1 1	
3. Understand Supply Chain Operations	3.1 Describe supply chain. 3.2 Describe stages in supply chain.	
within the business case model from production,	6 11 3	
transportation, storage, handling to consumers.	3.3 Explore challenges with in the business case supply chain management.	
	3.4 Describe how these challenges can be	
	overcome.	
	3.5 Demonstrate how business case can be	
	sustainable.	
	3.6 Describe closed-loop supply chain	
	and the state and sapply same.	
4. Understand why good planning and	4.1 Describe Supply Chain Planning	
decision making is essential in achieving	Matrix.	
efficient and sustainable supply chains.	4.2 Analyse planning levels in Supply	
	Chain Management.	
	4.3 Demonstrate activities in planning.	
	4.4 Describe Linear Programming (LP).	

	4.5 Demonstrate calculating and formulating LP models using Excel
5. Understand key aspects in Strategic Network planning is the selection of locations for processing activities; including allocation of available resources (e.g. capacities) to	 5.1 Describe the importance of selecting locations for processing activities. 5.2 Demonstrate using Excel Solver to create optimisation models.
production targets on a more detailed level (Tactical Network Planning).	5.3 Describe how models aid in decision making.5.4 Describe tactical planning.
	5.5 Demonstrate using models to aid tactical planning

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 Business Strategy & Operational Research with a weighting of 100%.

Recommended Learning Resources: Business Strategy & Operational Research

Recommended Learning Resources. Business Strategy & Operational Research	
	Operations and Supply Chain Management Essentials by Vibrant Publishers & Ashley McDonough. ISBN-13: 978-1949395242
Text Books	Global Operations Strategy by Yeming Gong. ISBN-13: 978-3642367076
	Manufacturing Operations Strategy by Alex Hill, Terry Hill. ISBN-13:
C(1 3 5 1	978-0230520912
Study Manuals	DCE and decad study made
	BCE produced study packs
CD ROM	
	Power-point slides
Software	6,
	None
Business	