

University of Pretoria Yearbook 2019

Physical distribution management 784 (OBS 784)

Qualification	Postgraduate
Faculty	Faculty of Economic and Management Sciences
Module credits	20.00
Programmes	BComHons Supply Chain Management
Prerequisites	OBS 316 and OBS 326
Contact time	15 contact hours
Language of tuition	Module is presented in English
Department	Business Management
Period of presentation	Semester 1 or Semester 2

Module content

The integrated nature of inventory, transportation and warehousing management within the supply chain is analysed. Optimisation techniques and strategies enable students to systematically rationalise inventory levels and improve warehousing and transportation performance from a cost and customer service perspective. Key topics to be covered includes: Planning to fine tune inventory holding; distribution requirements planning; functionalities of inventory optimisation tools; vendor managed inventory process; optimising warehouse costs; warehouse risk management assessment; optimising transport mode selection; evaluating freight market and selecting appropriate carriers, transport supplier agreements; optimising transport scheduling; reverse logistics systems; designing a distribution network; key performance indicators to improve inventory levels and warehouse and transportation operations; selecting appropriate information technology systems.

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