## PRO 3106 LOGISTICS MANAGEMENT

**Short description**

The course focuses on the aspects of logistics management, from theories to strategies and operational guidelines in the changing competitive business environment. The theories and principles explored in this course assist students to make the best use of time and in order to create efficiency. The course further introduces students to distribution structures, functions and information systems. It discusses the use of information and computer applications in logistics management.

**Course Objectives**

The course will enable students to;

* Understand the principles of logistics management
* Enumerate the history of logistics management
* apply and adapt logistics management principles and processes in their workplace for effective management
* Identify and explain the key logistics management functions and processes
* Examine the key trends affecting logistics management
* solve business logistics problems and develop new logistics initiatives and strategies.

**Learning Outcomes**

At the end of the course the students should be able to;

* Manage logistics in an organization
* Apply information technology in logistics management
* Examine elements and management of logistics
* Explain the distribution structure and analysis of different distribution modes.
* Explain distribution requirements planning and transport regulations
* Manage distribution channels effectively to meet stakeholder needs
* Apply customizable, industry-robust templates to create an integrated logistics and distribution plan.

**Intellectual, Practical and Transferable Skills**

Students will be able to:

* Analyze, think critically, evaluate, synthesize information, Solve Problems, Develop teamwork, Communicate, Research and forecast

**Teaching and Learning Pattern**

* Lecture method, case studies, keynote lectures, student-led seminar presentations, Group discussions, Mini research studies, Site visits

**Indicative Content**

Overview of logistics management, Introduction to logistics management, Logistics management trends, the varying nature of logistics chain and value adding activities, Logistics management functions, Elements of logistics and distribution, logistics distribution structures, Importance of distribution to the economy of a country. Integrated logistics and distribution systems. Analysis of different modes of moving goods, Methods of selecting transport modes, Use of Information technology in logistics, Third party and fourth party logistics, Packaging, Security and safety in distribution, Distribution requirements planning (DRP),Lot sizing and cost of deliveries, transport regulations.

**Assessment Method**

Each course in the programme shall be assessed on the basis course work and final examination represented as

Course work assessment 30%

Final Examination 70%

100%

The minimum mark required to pass is 50%, this includes course work and final examination. Each course in the programme is allowed a maximum of three hours for final examination

**Indicative Sources**

* 1. Bowersox,D.J, Closs,D.J&Cooper,M.B (2007), Supply Chain Logistics Management, 2nd, McGraw-Hill Irwin, New York.
  2. Crum,C. and Palmatier, G., (2003).[Demand Management: Best Practices: Process, Principles and Collaboration (Integrated Business Management Series](http://www.amazon.co.uk/Demand-Management-Principles-Collaboration-Integrated/dp/1932159010/ref=sr_1_1?ie=UTF8&s=books&qid=1209118886&sr=1-1)).
  3. Cousins,P., Lamming,R., Lawson,B., and Squire,B., (2007).[Strategic Supply Management: Principles, Theories and Practice](http://www.amazon.co.uk/Strategic-Supply-Management-Principles-Theories/dp/0273651005/ref=sr_1_2?ie=UTF8&s=books&qid=1209118886&sr=1-2).
  4. Gudehus,T., and Kotzab,H(2006)[Logistics: Principles, Strategies, Operations](http://www.amazon.co.uk/Logistics-Principles-Strategies-Timm-Gudehus/dp/3540307222/ref=sr_1_8?ie=UTF8&s=books&qid=1209118886&sr=1-8).
  5. Langford,J.W., (2007) [Logistics: Principles and Applications, 2nd Ed.: Principles and Applications (McGraw-Hill Logistics Series)](http://www.amazon.co.uk/Logistics-Principles-Applications-2nd-McGraw-Hill/dp/007147224X/ref=sr_1_5?ie=UTF8&s=books&qid=1209118886&sr=1-5).
  6. Toomey,J. W., (2000). [Inventory Management: Principles, Concepts and Techniques (Materials Management / Logistics)](http://www.amazon.co.uk/Inventory-Management-Principles-Techniques-Materials/dp/0792383249/ref=sr_1_3?ie=UTF8&s=books&qid=1209118886&sr=1-3).
  7. Wisner,J. D., Leong, G.K., and Tan, K (2004) Principles of Supply Chain Management: A Balanced Approach
  8. Stock, J.R., and Douglas M. Lambert, D.M., (2001)[Strategic Logistics Management](http://www.amazon.com/Strategic-Logistics-Management-James-Stock/dp/0071181229/ref=sr_1_1?ie=UTF8&s=books&qid=1208451243&sr=1-1)**.**
  9. Lambert, J.R; Stock, D.M., ( 2000)[Strategic Logistics Management](http://www.amazon.com/STRATEGIC-LOGISTICS-MANAGEMENT-LAMBERT-DOUGLAS/dp/B000N5BCYU/ref=sr_1_7?ie=UTF8&s=books&qid=1245261172&sr=8-7)
  10. Minner, S., (2000) -S[trategic Safety Stocks in Supply Chains](http://www.amazon.com/Strategic-Safety-Stocks-Supply-Chains/dp/B000PY432C/ref=sr_1_8?ie=UTF8&s=books&qid=1245261172&sr=8-8)