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**MULTIMEDIA UNIVERSITY OF KENYA**

**FACULTY OF BUSINESS & ECONOMICS**

**MASTER OF SUPPLY CHAIN MANAGEMENT**

**Course Title: BPL3115: LOGISTICS MANAGEMENT**

**Course Instructor: Dr. Arani Wycliffe**

**Prerequisite: None**

**Purpose**

The purpose of this course is to equip learners with knowledge in logistics management.

**Expected Learning Outcomes**

By the end of this course, learners should be able to:

1. Discuss the key elements of logistics management
2. Analyze the role of logistics management in supply chain management
3. Apply logistics management models in decision making
4. Analyze logistics systems

**Course Description**

Introduction to Logistics management: Elements of Logistics Management, Logistics and Supply Chain Management Concept, Logistics and Demand management, integrated logistics management; Logistics management Models; Logistics and information Technology: Logistics and information Systems; Logistics and Marketing Management; Logistics Management and Customer Service; Protective Packaging And Materials Handling; Transport and Transportation Management; Warehousing: Distribution Centre; Plant Location; International Logistics: Logistics Systems Controls, Organizing And Analyzing Logistics Systems, International contracts, Currency of payment, International insurance, International ocean transportation, International air transportation, International land and multi-modal transportation, Customs clearance, Packaging for export, International logistics infrastructure.

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| Topic | Approximate Start Dates |
| **Introduction to logistics management**   * + Definition of logistics and supply chain management   + Scope of logistics   + Logistics – a system concept   + Logistics function | Week 1 |
| **Logistics and information System**   * Logistics information needs * Characteristics of logistical information system * Designing logistical information system * Role of technology * latest technologies being used in logistics are in the areas of, Automatic identification, Communication, Material handling and facility design | Week 2 |
| **Integrated logistics management**   * Total logistics concept * Financial impacts in logistics * Integrated systems in logistics | Week 3 |
| **Logistics Management and Customer Service**   * Importance of customer service * Components of customer service * Developing customer service policy * Levels of customer service * Measuring customer service | Week 4 |
| **Materials Handling systems**   * Role of Material Handling in Logistics * Material Handling Guidelines * Material Handling Equipment and Systems | Week 5 |
| CAT 1 | Week 6 |
| **Transportation**   * Evolution of transportation systems * Transportation infrastructure * Factors Influencing Freight Cost * Transportation Networks * Route Planning * Route Planning | Week 7 |
| Global/International Logistics  * Scope and scale of global logistics * Operational factors and challenges in global logistics * Strategic issues in cross-border goods movement * Documentation involved | Week 8 |
| **Customs clearance procedures**   * Import procedure * Export procedure | Week 9 |
| **CAT 2** | Week 10 |
| **Logistics Organization**   * Need For Orgnization Of Logistics * Drivers Of Organisational Structure * Factors Influencing Organizational structure * Organization design principles * Organizational Issues | Week 11 & 12 |
| REVISION | Week 13 |
| **Examinations** | Week 14 |
| **Examinations** | Week 15 |

**Teaching Methodologies**

Lectures, class discussions, group activities, case studies, individual and group presentations

**Instruction Materials/Equipment**

LCD Projector, White board, Textbooks, flip charts

**Course Assessment**

Continuous Assessments Tests (CATs) 40%

Final Examination 60%

**Total** **100%**

**Course Textbooks**

1. Myerson, P. (2014). *Lean Supply Chain & Logistics Management* (1st Ed.). New York: McGraw-Hill.
2. Grant, D. (2012). *Logistics Management*. England: Pearson Education Limited.
3. Harrison, A. & Van Hoek, R. (2015). *Logistics Management and Strategy: Competing through the supply chain* (3rd ed.). England: Pearson Education Limited

**Course Journals**

1. International Journal of Logistics Management
2. International Journal of Physical Distribution & Logistics Management
3. International Journal of Logistics Systems and Management

**Course Reference Textbooks**

1. Lun, Y., Lai, K. & Cheng, T. (2015). *Shipping and Logistics Management*. London: Springer-Verlag London Limited.
2. Christopher, M. (2014). *Logistics and Supply Chain Management* (4th ed.). London: Pitman.
3. Zanjirani, R., Rezapour, S. & Kardar, L. (2015). *Logistics Operations and Management: Concepts and Models*. London: Elsevier inc.

**Course Reference Journals**

1. Journal of Business Logistics
2. Journal of Supply Chain Management
3. International Journal of Logistics Research and Applications