

Logistics Management

Faculty: Management Sciences

Department: Logistics

National Diploma:
Logistics Management

3 Year Course

B Tech

4 Year Course

M Tech

D Tech

2010 for 2011



VUT

Vaal University of Technology

I. Admission Requirements:

Subjects	Logistics Management	
NSC Endorsement	Eligibility for Diploma or Bachelors Degree	
Official Languages (max 2)		Note
First level (English or any other)	3	3 = 40-49%
Second level (English or any other)	3	4 = 50-59%
Mathematical Sciences		5 = 60-69%
Mathematical Literacy or Mathematics	4 or 3	6 = 70-79%
Life Orientation (min/max)	3	7 = 80-89%
Recommended subjects (max 3):	12	8 = 90-99%
Mathematics, Accounting, Business Studies, Economics, Computer Application Technology/Information Technology		
TOTAL	24, (25 with Mathematical Literacy)	

B Tech: Logistics

A completed ND: Logistics or equivalent with an aggregate of 60% is required.

M Tech: Logistics

A completed B Tech: Logistics or equivalent qualification. An aggregate of 65% is required.

D Tech: Business

A completed M Tech: Logistics or equivalent qualification. Draft proposal should be submitted for approval before registration.

2. Curriculum

Logistics

First year: Business Management I, End User Computing, Communication X, Purchasing Management I, Costing & Estimating I

Second year: Purchasing Management II, Business Management II, Logistics II, Economics I, Commercial Law, Communication.

Third year: Purchasing Management III, Business Management III, Logistics III, Production planning & Control.

Fourth year: Purchasing IV, Logistics IV, Business Management IV, Research Methodology.

Business Management I

Introduction to Business Economics, Functional division of the enterprise, Entrepreneurship and the small enterprise.

Business Management II

The Production Function, The External Relations Function, The Financial Function.

Business Management III

The Management Function, The Marketing Function, Business Management IV, Strategic Management, Contemporary Management Issues.

Commercial Law I

A brief overview of the South African Law. General

principles of the law of contract, with special reference to purchase contracts, credit agreements and agency. Insolvency, Bills of exchange, lease, companies, close corporations, Labour Relations Act.

Communication in English

Verbal and non-verbal communication, Reporting, Public Speaking, Correspondence, The Article, Meeting Procedures.

Costing and Estimating

Introduction to Elements of cost, Elements of cost. Introduction to Elementary accounts. Absorption costing. Marginal costing. Cost-Volume-Profit. Analysis. Budgeting. Variance Analysis. Profitability of new projects. Just-in-time accounting.

End User Computing

Computer Background theory

Historical background. Concept definitions. Operating system concepts. Information organisation. Telecommunications. Application programmes: Background knowledge on various application packages. PC hardware and software acquisition. Security.

Purchasing Management I

Purchasing's role in business. Relationship with other departments. Procedures, forms and records. Basic policies/Planning. Organisation, Purchasing Control, Budgeting, Purchasing ethics/public relations.

Purchasing Management II

Sourcing. Quality. Quality determination. Right time. Price. Surplus materials.

Purchasing Management III

Purchasing capital equipment. Contract buying. Retail buying. Engineering and construction contracting. State and Institutional Purchasing. International buying. Make or buy. Negotiations. Purchasing research. Measuring Purchasing Management. Total cost of ownership.

Purchasing Management IV

Strategic purchasing. Evaluation techniques. Staffing. Advanced negotiation techniques. Project purchasing. Buying decision models. Research. Purchasing for small businesses. Purchasing administration. Supply dynamics. System design modelling. Logistics. Manoeuvrability. Marketing. Reporting techniques.

Economics I

Economic systems, macro economics, national income, money and banking, International trade, price theory and market mechanisms, types of markets

Research Methodology

Sampling, types of investigating, variance, non-design

experimental procedures, methods of data collection, experimental designs, two-group designs, factorial designs, small-n-designs data analysis, the research process, the research problem, literature study, practical I.

Logistics II

General introduction to logistics foundations. System and market foundations. Capacity foundations.

Movement process. Foundations and performance foundations.

Logistics III

A. Logistics Operations Process

Managing products and services, Logistics process management, Logistics design decisions

B. Channel transaction and relationship management

Channel management, Channel decisions.

Logistics IV

A. Logistics Modelling

Transport models, Warehouse models, Customer satisfaction, Logistics research design

B. Integrated Logistical strategy

Laboratory Practice III

3. Career Opportunities

Logistics offers a challenging and exciting career in both the private and public sectors. There is a continuous demand for trained logisticians. Position on entry-level: Junior Purchaser. Order Clerk. Middle Management: Senior Purchaser, Assistant Logistics Manager. Top Management: Logistics Manager. Transport Managers.

4. Major expenses for the year

Registration fee:

Accommodation:

Class / course fees:

Books:

Pocket money:

Transport to campus:

5. Bursaries and Loans

Several bursaries and loans are available. Bursaries are awarded for academic, sporting and cultural achievements, as well as on the grounds of need. The closing date for bursary and loan applications is 30 November. All enquiries must be directed to: The Head: Financial Aid Bureau, Vaal University of Technology, Private Bag X021, Vanderbijlpark, 1900.

5.1 National Student Financial Aid Scheme (NSFAS)

- NSFAS offers an opportunity for academically deserving and financially needy students to access a loan, part of which (40%) can be converted into a bursary, depending on students' pass rates. Awards during 2007 ranged between R1 500 and R20 000.

- Loans have to be repaid once you are employed and your annual salary is R26 300 or more and payment would be deducted from monthly salaries of those who have received assistance from the scheme, based on an individual's earnings. Interest charged on loans is subsidised.

5.2 Who qualifies for an NSFAS loan?

- South African citizens registered at a South African University.

- An undergraduate, studying for a first tertiary educational qualification.

- Individuals able to demonstrate potential for academic success.

- Financially needy individuals.

5.3 Where do you apply for a loan?

From Financial Aid Bureaus at the University where you are / or plan on studying. They will offer advice and assistance with loan applications.

6. Registration and Accommodation

Prospective students are advised to apply early in the year preceding registration for admission to the course, and/or for hostel accommodation. Arrangements can be made to visit the campus in this regard. Closing date for registration is 30 November. Closing dates for accommodation registration is: 1st years - 30 November, Seniors - 31 August, 2nd Semester, 1st years - 15 May, seniors - 31 March.

6.1 International students:

First Semester and Year students: 30 October and 30 November.

Second Semester: 15 May.

7. Enquiries

Enquiries may be addressed to:

The Head of Department

Department: Logistics

Vaal University of Technology (Educity Campus)

Private Bag X021

VANDERBIJLPARK 1900

Tel: (016) 930-5067; Fax: (016) 930-5042

e-mail: elizabeth@vut.ac.za

website: www.vut.ac.za

Call Centre: 0861 861 888 or 0861 861 VUT

Applications / Admissions enquiries: 016 950 9925

Study programmes may be altered without notification.

The Department of Co-operative Education assists in experiential learning administration and placements.

Contact details: Tel: 016-950-9496, Fax: 016-950-9759,

E-mail: education@vut.ac.za

The Institution makes every attempt to accommodate students with disabilities.

Whilst every effort has been made to present you with the relevant information in this brochure, program offerings may be subject to change in order to keep abreast with new developments in the higher education landscape. The institution therefore reserves the right to unilaterally change or amend any of the content/structures contained herein.