

# ENTRY REQUIREMENTS

## Entry Requirements for Degreed Applicants:

Applicants under this category should have:

- A bachelor's degree or equivalent, in a relevant discipline, from a university or college acceptable to the University of the West Indies, with at least a second class honours.  
Student with pass degrees will be considered if:
  - They have at least (3) years managerial experience
  - They are successful at an interview conducted by a selected panel determined by the Department of Economics.
- Two letters of reference

## Entry Requirements for Non-Degreed Applicants:

The Department will limit entry to the programme under this option to no more than twenty five percent of a cohort.

The Department is mindful that a number of managers in the Caribbean are holders of either technical certificates or diplomas, or have significant years of management experience. It is proposed that such persons should be allowed entry into the programme under the following conditions:

- They hold technical certificates or diplomas that can be assessed by the University of the West Indies;
- They have at least (5) years of managerial experience in the appropriate sector;
- They are successful at an interview to be conducted by a selected panel to be determined by the Campus Committee for Graduate Studies and the Department of Economics;
- They provide two acceptable letters of reference.

**The programme will be delivered in a face-to-face mode.**

# PROGRAMME COST

Payable in full or per course on registration.

**Tuition Fee:** BDS\$30,000 (US\$15,000)

## Annual University Registration Fees

University Registration Fees are NOT included in the cost of the tuition fee.

These fees are as follows:

Amenities Fees	– BDS\$700.00	(US\$350.00)
Guild Fees	– BDS\$120.00	(US\$60.00)
ID Card (First year only)	– BDS\$25.00	(US\$12.50)

Students enrolled in this self-financed programme are billed for the courses for which they register each semester. Fees are payable immediately on registration. University fees are additional to the programme fees and are billed on registration every semester until the degree has been awarded.

*Programme Costs and University Registration Fees are subject to change in 2011/2012.*

# CONTACT INFORMATION

MSc. Logistics and Supply Chain Management

## Programme Coordinator

Professor Sunday Iyare

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Tel: (246) 417-4278



The University of the West Indies  
Cave Hill Campus



## TAUGHT HIGHER DEGREE PROGRAMMES

### FACULTY OF HUMANITIES & EDUCATION

MA African Studies  
MA in Caribbean Studies: Languages/Literatures  
MA Cultural Studies  
MA Heritage Studies  
MA History  
MA Linguistics  
MA Theology  
Diploma in Education (Secondary)  
Master in Education (MEd)  
MFA Creative Arts

### FACULTY OF LAW

Diploma/LLM Corporate & Commercial Law  
Diploma/LLM Legislative Drafting  
Diploma/LLM Public Law

### FACULTY OF MEDICAL SCIENCES

DM Anaesthesia and Intensive Care  
DM Emergency Medicine  
Diploma, MSc., DM Family Medicine  
DM General Surgery (Parts I and II)  
Diploma in Health Service Management  
DM Internal Medicine

DM Obstetrics and Gynaecology  
DM Ophthalmology  
DM Paediatrics  
DM Psychiatry  
Master in Public Health - Health Services Management

### FACULTY OF SOCIAL SCIENCES

MSc. Applied Psychology  
MSc. Banking & Finance  
MSc. Building & Construction Management  
MSc. Counselling Psychology  
MSc. Cricket Studies

MSc. E-Governance for Developing States  
MSc. Financial & Business Economics  
MSc. Integration Studies  
MSc. International Management  
MSc. International Trade Policy

MSc. Investments & Wealth Management

MSc. Labour & Employment Relations

MSc. Logistics and Supply Chain Management

MSc. Management offered in four specialisations:-  
Financial Management,  
Human Resource Management,  
International Management  
and Marketing

MSc. Management  
MSc. Project Management & Evaluation  
MSc. Sociology  
Master of Social Work  
MSc. Tourism and Events Management

MSc. Tourism & Hospitality Management  
MSc. Tourism with Project Management  
MSc. Tourism and Sport Management  
MSc. Tourism Marketing  
MSc. Transport Economics

### FACULTY OF PURE & APPLIED SCIENCES

MSc. Electronic Commerce  
MSc. Natural Resource and Environmental Management

### CAVE HILL SCHOOL OF BUSINESS

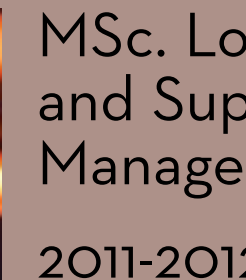
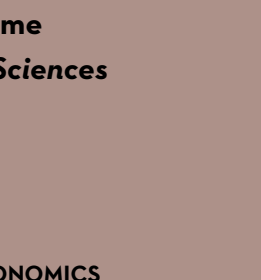
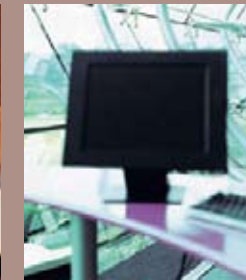
Doctor of Business Administration  
Executive Master in Business Administration  
International Master in Business Administration  
Master in International Events Management

075 October 2010

*UWI also offers a range of MPhil and PhD programmes in a number of areas. Information on these as well as our application process, online application forms, and the documentation required can be found at:*

[www.cavehill.uwi.edu/gradstudies](http://www.cavehill.uwi.edu/gradstudies)

JOIN THE TRADITION OF EXCELLENCE



# MSc. Logistics and Supply Chain Management

2011-2012

# PROGRAMME OVERVIEW

The MSc. Logistics and Supply Chain Management programme is designed for students with the necessary background in economics, management, mathematics, physics, information technology or engineering. The programme will provide students with the ability to use their quantitative and analytical skills to solve problems arising in logistics and supply chain management

This programme emphasises the practical and analytical aspects of logistics problems as well as the fundamentals of management science and supply chain management. It provides students, with the necessary quantitative background and the skills to apply their analytical abilities to solve problems in the areas of logistics and supply chain management. The programme seeks to teach students how to implement a supply chain strategy within an organisation whilst, at the same time, develop skills in forecasting, production planning, and service planning and scheduling. Emphasis is given to analytical tools, information technology systems and computer programmes as these are an integral part of a successful supply chain strategy. Students will gain a good appreciation of the role of client or customer buying behaviours in designing an efficient and effective logistics operation.

## AIMS AND OBJECTIVES

The MSc. Logistics and Supply Chain Management programme seeks to develop:

- a globally competitive and regionally relevant programme that will attract a diverse group of participants, allowing students to establish global networks or contacts;
- managers and professionals with knowledge and expertise in logistics, operations management and supply chain management which enhance their abilities to pursue careers in the manufacturing, transport, services and retail industry sectors, as well as in government; and to
- examine the chain of activities that are engaged in moving products, services or information from initial suppliers, through the various stages of transformation until the final product reaches the client or customer.

## COURSE OF STUDY

The following describes the course of study which consists of ten (10) compulsory courses, two (2) electives (to be determined by the department) and a research paper. Special skills workshops will be offered throughout the programme.

The programme will consist of a set of core courses, covering the basic logistics and supply chain management functions. There are twelve core courses (3 credits each) and a research paper.

### Core Courses

- Logistics I
- Strategic marketing
- Transportation Administration
- Operations Research I
- Logistics information systems
- Logistics II
- Strategic supply chain management
- Operations Research II
- Production management
- International trade and exchange

### And two of the following:

- Forecasting
- Transport econometrics
- Computer simulation
- Pricing and revenue management
- Public sector Analysis
- Project management
- Any approved elective

### Research Paper (12 credits)

## DURATION

The programme can be completed in fifteen to eighteen (15-18) months of full time study or maximum of (36) months on a part-time basis and will consist of 48 Credit Hours.

## COURSE DESCRIPTIONS

### LOGISTICS AND SUPPLY CHAIN MANAGEMENT

This course is designed to provide various concepts, strategies and techniques that are essential for the successful management of supply chains. The central theme of this course is to learn techniques for cost reduction and service improvement by adopting the best practices. A variety of examples and case studies from real life supply chains will form the basis for the course.

### STRATEGIC MARKETING

This course will focus on the role of marketing in the organisation and within the supply chain. It will show how mathematical models and other quantitative analytical techniques can be used to obtain a better understanding of marketing problems in organizations.

### TRANSPORTATION ADMINISTRATION

This course familiarises students with the elements of transportation administration as they relate to different types of cargo, cargo handling facilities and vehicles, and the different bodies involved in administration. They will also learn about the administration and legal issues involved in both local and international freight transport.

### OPERATIONS RESEARCH I

This course focuses on some of the operations research techniques which are used for improving decision making in organizations. Students will learn how to build mathematical models of typical

decision-making problems and how to solve these models using the computer programmes. This course will focus mainly on deterministic optimisation models

### Logistics Information Systems

In this course, students will learn about modern IT practices that are used in support of logistics and supply chain management. They will learn the principles and theories behind good design of stored data and integrated information systems support and they will also acquire exposure to the most modern implementations of this through use of relevant computer software.

### STRATEGIC SUPPLY CHAIN MANAGEMENT

In this course the student will learn how to critically evaluate the principles of supply chain management and also how a supply network should be organized and effectively managed. It will take into account supply chain strategy, inter-organisational relationships and logistics issues. The knowledge gained from this course will be applicable in a wide variety of sectors, including the service sector. Through the extensive use of case studies, students will be able to apply the theory to address complex problems in the organization.

### OPERATIONS RESEARCH II

This course focuses on some of the operations research techniques which are used for improving decision making in organizations. Students will learn how to build mathematical models of typical

decision making problems and how to solve these models using the computer. This course will focus mainly on stochastic models.

### PRODUCTION MANAGEMENT

The aim of this course is to equip the student with the ability to apply analytical approaches to production planning problems.

### INTERNATIONAL TRADE AND EXCHANGE

The aim of this course is to familiarise students with the principal characteristics of international trading arrangements and their effects on the supply chain. After completing this course, students will have a good understanding of the operations of regional trading blocs and barriers to international trade.

### STATED PREFERENCE ANALYSIS

This course aims to provide a thorough grounding in the design, conduct, analysis and application of Stated Preference Experiments, and to provide an introduction to disaggregate modelling techniques.

### FORECASTING

The aim of this course is to equip students with the forecasting skills which are necessary for supporting managerial decision-making. Students will learn different time series and causal forecasting methods and how to prepare and present good report. Students will be able to use models and appropriate computer software to make forecasts in practice, in addition to assessing the accuracy of such forecasts.

### TRANSPORT ECONOMETRICS

The aim of this course is to equip students with knowledge of the basic econometric methods that are used in the analysis of transport problems and to give them the ability to apply such methods to a practical transport problem. In particular, students will be taught how to use econometric software to solve problems relevant to transport.

### COMPUTER SIMULATION

In this course, students will learn the fundamentals of computer simulation and how to build computer simulation models and use them to analyse management decision problems. The main focus will be on discrete simulation events, although there will be some coverage of system dynamics. After completing this course, students will be able to develop a simulation model and run it using a simulation package or a spreadsheet.

### PRICING AND REVENUE MANAGEMENT

This course will introduce students to the methodology of revenue management and familiarize them with its application in the supply chain. They will learn about the concepts of differential pricing and market segmentation and how to use mathematical models to determine the best price for each market segment.

### PUBLIC SECTOR ANALYSIS

In this course, students will learn the principal differences and similarities between the public sector and private sector. After completing this course, they will be familiar with methods and approaches to decision-making that have worked well in the public sector; they will also have developed their knowledge of public sector decision problems and will have acquired the skills necessary for identifying suitable management science approaches to solving these problems.

### PROJECT MANAGEMENT

The aim of this course is to familiarize students with the methodology of project management. They will learn different approaches to organising and managing resources so as to achieve the successful completion of specific project goals and objectives. They will also learn how to implement project management in supply chains.