

ENTRY REQUIREMENTS

Entry Requirements for Degreed Applicants:

Applicants under this category should have:

- a. 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.
- b. 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:

- i. They hold technical certificates or diplomas that can be assessed by the University of the West Indies;
- ii. They have at least (5) years of managerial experience in the appropriate sector;
- iii. 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;
- iv. 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. Transport Economics

Programme Coordinator

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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

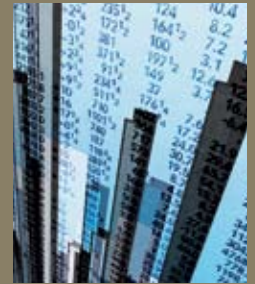
Master in International Events Management

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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

JOIN THE TRADITION OF EXCELLENCE



**Masters Programme
Faculty of Social Sciences**

DEPARTMENT OF ECONOMICS

MSc. Transport Economics

2011-2012



PROGRAMME SUMMARY

A well organized transport system is necessary for economic development. It facilitates the efficient movement of people and freight between demand and supply points. It is also crucial to regional integration.

The MSc in Transport Economics is designed to enable students with the necessary background in economics to further develop their knowledge of aspects of the economic methodology relevant to the analysis of the transport sector. The programme will also give students the ability to solve a wide range of problems that a transport economist can be confronted with, thus providing them with the relevant skills for a career in transport economics.

Transport Economics, as a branch of applied microeconomics, has a long history. Many developments in economic theory and practice, especially in the areas of public utility pricing, externalities, econometric estimation of cost and demand functions, regulatory economics, discrete choice modelling, and economic appraisal, have resulted from research conducted by economists in within the transport sector. All of these areas are covered in the programme.

Graduates in transport economics are in great demand by a range of employers including universities, transport consultants, economic and management consultants, local and central government and transport operators. This programme will provide graduates with an impetus to help bring about the necessary improvements in the transport sectors of the region.

AIMS AND OBJECTIVES

- Develop a programme that is globally competitive and regionally relevant and that will attract a diverse group of participants, allowing students to establish global networks or contacts; and
- Allow students to acquire a general understanding of the transport sector and to learn how to apply the necessary economic methodology to resolve practical transport problems.

DURATION

The programme can be completed in twelve to fifteen (12-15) months of full time study or twenty-four (24) months on a part-time basis.

COURSE OF STUDY/STRUCTURE

The following describes the course of study which consists of seven (7) compulsory courses, two (2) electives (to be determined by the department) and a research paper. Mandatory special skills workshops (not for credit) will be offered throughout the programme. The programme will consist of a core set of courses, covering the basic transport functions. There are nine core courses (3 credits each) and a research paper.

Compulsory Courses

- Transport Modelling
- Transport Data Analysis
- Principles of Transport Economics
- Welfare Economics and Cost-Benefit Analysis
- Transport Econometrics
- Economics of Transport Regulation
- Social Research Methods for Transport

Optional Courses (based upon availability and Resources)

- Economics of Transport Appraisal
- Freight Transport Planning and

Management Transport and the Environment

- Public Transport Planning and Management Transport in Development.
- Stated Preference Analysis Transport for Tourism
- Transport Project Financing
- Any other approved course form the faculty
- City and Regional Planning and Administration

Research Paper

COURSE DESCRIPTIONS

TRANSPORT MODELLING

This course aims to give students a good understanding of the role and purpose of the main types of transport models and also to familiarise them with the advantages and disadvantages of a range of different modelling techniques. Additionally, they will learn how to select an appropriate model for a given task and how to use a basic modelling package to analyse a realistic problem.

TRANSPORT DATA ANALYSIS

This course aims to develop the students' knowledge of the collection of transport data and the analysis of such data. They will learn the process of transport survey design, become familiar with the range of available survey techniques and be able to judge which technique will be appropriate in different circumstances. They will also gain a good understanding of the principles underlying the statistical analysis of transport data and the ability to select and interpret appropriate statistical tests.

PRINCIPLES OF TRANSPORT ECONOMICS

The aim of this course is to give students a good understanding of economic analysis and its application to transport. The focus will be on demand, supply, cost and pricing in transport.

WELFARE ECONOMICS AND COST-BENEFIT ANALYSIS

This course aims to ensure that students understand the basic principles of welfare economics; can

apply these principles to the solution of problems of resource allocation; and can critically appraise their practical value of these principles. Particular attention will be given to the ability to determine appropriate methodology for the conduct of cost-benefit analyses.

TRANSPORT ECONOMETRICS

This course aims to equip students with knowledge of the basic econometric methods used in the analysis of transport problems and also to give them the ability to apply such methods to practical transport problem. In particular, students will be taught how to use econometric software to solve problems relevant to transport.

ECONOMICS OF TRANSPORT REGULATION

This course aims to provide students with a thorough understanding of the costs and benefits of alternative approaches to correcting market failure with respect to public utilities, and in particular the transport sector. Consideration will be given to theoretical contributions and empirical evidence.

ECONOMICS OF TRANSPORT APPRAISAL

This course aims to develop students' capabilities with respect to transport appraisal and to also give them the ability to apply the requisite techniques and procedures. Students will acquire the knowledge and skills required to analyse, critique, and evaluate a cost-benefit report and to select projects that would improve the welfare of the economy as a whole.

FREIGHT TRANSPORT PLANNING AND MANAGEMENT

This course is designed to ensure that students have a good understanding of the key issues in national, regional and international freight transport policy and the factors affecting the logistic decisions of individual firms. It also seeks to ensure that students are able to select appropriate quantitative techniques for freight planning problems, using available software and are also able to apply these techniques to both small and large scale problems.

PUBLIC TRANSPORT PLANNING AND MANAGEMENT

The aims of this course are to ensure that students acquire the following: a good understanding of the key issues affecting the planning, management and financing of public transport in the Caribbean region and internationally; that they are able to apply the appropriate operating and economic principles to problems of transport planning and management; and that they also understand the role of public transport within a multi-modal transport planning system.

STATED PREFERENCE ANALYSIS

The 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.

TRANSPORT PROJECT FINANCING

The aim of this course is to introduce students to the concepts and processes of project funding, particularly for major civil engineering infrastructure projects. The course equips the student with the ability to use the techniques of Financial Appraisal and Social Cost Benefit Analysis in funding projects and provides an overview of the role of public and private sector funding mechanisms.

SOCIAL RESEARCH METHODS FOR TRANSPORT

This course introduces students to a range of social analytical methods and teaches them the appropriate use of such methods in practice.

TRANSPORT AND THE ENVIRONMENT

This course aims to provide students with a thorough understanding of the major environmental effects of transport and transport infrastructure and to ensure that they are aware of the different methods that can be used to mitigate the environmental impact of transport. The course also seeks to equip students with the ability to apply a range of different techniques in environmental appraisal

TRANSPORT AND DEVELOPMENT

This course aims to familiarise students with the principle issues which characterise the transport sector in developing countries and which distinguish the sector from that in industrialised countries. After completing this course, students should be able to assess the applicability of different analytical techniques in various institutional and economic contexts, and also be able to determine the effectiveness of various policy instruments in the context of a developing country.

TRANSPORT AND TOURISM

The aim of this course is to provide students with valuable knowledge of the key issues which transport providers, decision makers, managers and tourists face in the use, operation and management of tourist transport. It addresses all the key issues affecting transport and tourism including policy changes such as privatisation of low cost airlines, and the enhanced role of automobiles, and the effects of crises on travel, safety and security. This course also examines what is meant by a tourist transport system and how the needs of the traveller are incorporated into management systems.

CITY AND REGIONAL PLANNING AND ADMINISTRATION

This course is designed to introduce students to the role of regional transport planning and the methods useful in the study of transport problems at the regional level. This includes the formulation, analysis and testing of hypotheses and modes of social, economic, and physical phenomena of cities and regions. This overview of the theoretical and practical issues affecting regional transport planning will be linked to local area planning. Additionally, special attention will be given to transport planning in the context of the wider Caribbean region.