



UNIVERSITY
OF
JOHANNESBURG

DEPARTMENT OF
TRANSPORT AND SUPPLY
CHAIN MANAGEMENT

BCom Honours (Transport Economics) 2023

School of Management
College of Business and Economics

The Future
Reimagined



BCOM HONOURS (TRANSPORT ECONOMICS)

PROGRAMME CO-ORDINATION

DEPARTMENTAL CHAIRPERSON

Prof N Pisa • 011 559 4288 • D Ring 7, APK • noleenp@uj.ac.za

PROGRAMME MANAGERS

Mrs E Kriel • 011 559 2084 • D Ring 7, APK • ekriel@uj.ac.za

Dr R Luke • 011 559 4951 • D Ring 7, APK • rluke@uj.ac.za

PROGRAMME CO-ORDINATOR

Ms A Kasoojee • 011 559 2464 • D Ring 721, APK • adeelak@uj.ac.za

ENQUIRIES: COLLEGE

Mr I Seeletse • 011 559 2725/3919

A Ring 217, APK • iseeletse@uj.ac.za

ENQUIRIES: FINANCE

Mr D Kaloma • 011 559 3871

A Ring 217, APK • denverk@uj.ac.za

Department of Transport and Supply Chain Management

School of Management (SoM)

College of Business and Economics (CBE)

University of Johannesburg, Auckland Park Kingsway Campus (APK)

PO Box 524 Auckland Park 2006 • Fax 011 559 2806

Applications will be accepted until October of each year.

1. GENERAL

The Department of Transport and Supply Chain Management offers training in two fields for the degree:

- **BCom Honours (Transport Economics)**
- **BCom Honours (Logistics Management)**

After completion of an honours degree, advanced study may be undertaken in one of the following:

- **MCom / MPhil** (with the same endorsement as for honours).
This is a dissertation on an approved subject under leadership of a study leader.
- A course based **MCom with specialisation in Supply Chain Management** is offered in the College.

The Department also provides the opportunity to obtain DCom and DPhil degrees in Logistics Management or Transport Economics, in which research is undertaken under guidance of a study leader appointed by the department.

2. COMPOSITION OF THE PROGRAMME

The Honours programme has 21 modules. A learner should do at least 11. A particular programme is assembled according to certain requirements. A number of compulsory modules are included in each programme and in some instances it is prescribed that modules or combinations of modules, must be completed in a specified order.

The reason for this is to ensure the necessary frame of reference before continuing with the next modules.

The composition of the various modules are set out in paragraph 10. The nature of the various modules indicates a certain measure of flexibility, which inter alia manifests itself in the format of a task or assignment.

www.uj.ac.za/transport

Lectures are all “after hours” depending on the choice of course. Lectures start at 17:10 – 19:00 and 18:50 – 21:00. Tests and exams are written during the day.

3. METHOD OF PRESENTATION

The following is valid for each of the modules:

Class discussions: at least seven meetings per module, following a set timetable.

Test: a written test of at least three hours, following a pre set timetable.

Task or assignment: varies from module to module.

Examination: a written paper of three hours during the official university examinations, following a pre set timetable.

4. SUCCESS CRITERIA

The pass mark for each module is 50%. The degree is awarded *cum laude* if the average mark of the 11 modules is at least 75%. The mark for each module consists of two equally weighted components, viz. the examination mark and the semester mark. A minimum semester mark of 40% is required for entry to the exam. The semester mark of each module is comprised of the test and the task/assignment, and also other possible components, and is elucidated in the learner guide for each module. The year module of Research Project has calculation criteria based on continuous assessment, the outcomes of which are stipulated in the learner guide for the module.

5. ENTRANCE REQUIREMENTS

Please be advised that all applications are subject to a screening process. Applicants will be advised if they have been accepted.

The following minimum admission requirements apply for BCom Honours (Transport Economics)

(a) BCom (Transport Economics) degree.

OR

(b) Advanced Diploma (Transport Management) degree

OR

(c) Any other BCom with a major with comparable content, and as far as is necessary, complemented by an entrance examination

(d) Please be advised that academic performance in past qualifications will be taken into consideration.

AND

(e) Adequate English language proficiency.

In the case of the before mentioned, the programme co-ordinators determine the necessity for entrance examinations in consultation with an academic selection committee for each prospective learner, taking into account academic background and performance, together with the practical experience of the prospective learner. If applicable, a candidate will be informed about this.

Admission to study is no guarantee of the successful completion of the programme. At the end of each semester each learner's continuation of studies is judged on the basis of the performance during the preceding examination.

6. STUDENTS FROM OTHER UNIVERSITIES

All learners who attained their B degree at another university (or who have not been enrolled at the University of Johannesburg for more than 1 year) must complete the University of Johannesburg application form. The following must be included:

- A certified copy of the qualification (if already completed).
- A certified copy of an official academic record issued by the university.
- A statement from the university (or academic department) in respect of the content matter of subject courses that are indicated as pre-requisites e.g. Transport 3A; Transport 3B.
- Certified copies of identity documents/passports.
- SAQA verification for international students.

7. FURTHER INQUIRIES

Further information and general inquiries may be addressed to the programme co-ordinator.

8. CURRICULUM BCOM HONOURS (TRANSPORT ECONOMICS)

YEAR MODULE		
MODULE NAME	MODULE CODE	NQF CREDITS
Research Project: Transport Management	TRE8X15	30
	1 Year module	30 Credits

SEMESTER MODULES					
FIRST SEMESTER			SECOND SEMESTER		
MODULE NAME	MODULE CODE	NQF CREDITS	MODULE NAME	MODULE CODE	NQF CREDITS
Urban Transport Studies	TRE8X03	12	Infrastructure Studies	TRE8X04	12
Transport Policy and Regulation	TRE8X01	12	Urban Transport and Society	TRE8X02	12
Principles of Transport Economics	(new code)	12	Contemporary Issues in Transportation	(new code)	12
Electives — Choose TWO of the following:* (when a particular first semester module is taken, the matching second semester module is compulsory)			Electives – Choose TWO of the following:* (when a particular first semester module is taken, the matching second semester module is compulsory)		
Contemporary Issues in Logistics Management	CIL8X01	12	Supply Chain Management	LMA8X02	12
Introduction To Aviation And Regulation	TRE8X13	12	Airlines and Airports	TRE8X14	12
Rail Transport Management	TRE8X07	12	Rail Transport Issues	TRE8X08	12
Introduction To Shipping and Maritime Regulation	TRE8X11	12	Shipping and Harbours	TRE8X12	12
Road Freight Transport Management	TRE8X09	12	Road Transport Costing and Distribution	TRE8X10	12
	5 Semester modules	60 Credits		5 Semester modules	60 Credits

9. CONTENT

Transport Policy (TRE8X01 & TRE8X02 Pipeline)

The purpose of these modules are to provide the learner with an in-depth understanding of the nature of transport policy, its importance within the context of the national economy, the steps in the policy formulation process and the instruments available to policy makers. Topics include: The nature of public policy. Steps in the policy formulation process. Defining the public interest. Interest and pressure groups. The political-technical relationship in policy making. Policy analysis and decision frameworks. Identifying objectives. Proposing alternatives and making recommendations. Evaluating performance. Supporting documentation includes: The Moving South Africa Strategy. The White Paper on National Transport policy. SADC Protocol and NEPAD strategy. Isotope Report, Implementation of White Papers and Policies, etc.

Describe various government departments and agencies in South Africa dealing with transport policy; and analyse, transform and critically evaluate international and national approaches to policy formulation and instruments. Apply the management principles of organizing and coordinating resources in a transport policy formulation context, reflecting on the financial implications and the applications made. Conduct specialized scholastic, professional, technical and advanced research in the national and international transport policy field, including gathering analysing and interpreting related information using the appropriate management technology and reflect upon the research undertaken. Demonstrate an ability to critically review, consolidate, and extend a systematic and coherent body of knowledge, with respect to issues of national and international transport policy, and reflect upon the communication undertaken.

Analyse national transport policy documents, reflecting on the principles of transport policy formulation applied therein and identifying possible problems and solutions.

Transport and Land Use Planning (TRE8X03 Pipeline) & Infrastructure Studies (TRE8X04)

The purpose of the transport and land-use planning module is to equip participants with a sound theoretical and practical knowledge of the major aspects of Transport and Land-use Planning. On completion of this module, the participant should be able to apply the transport and land-use planning theories, approaches and practices. Participants will learn how to interpret and apply the current relevant transportation policy, legislation, guidelines and requirements on a specialised level. This module further touches on some of the more technical aspects of the transport planning process, particularly with respect to the gathering of Origin-Destination data and Transport Demand Modelling. The purpose of the infrastructure studies module is to equip participants with a sound theoretical and practical knowledge of the major aspects of Transport Infrastructure. On completion of this module, the participant should be able to explain the outcomes, principles, theories, approaches and practices, related to infrastructure, as well as some of the more technical aspects and processes.

Research Project (TRE8X15)

The purpose of the module is for students to understand the rationale for research and to gain skills in undertaking field research. The module culminates in the submission of a scientifically correct and academically sound research proposal. This module covers the following topics: UJ Library orientation (workshop), ethical considerations in research, an introduction to Social Sciences research, research proposal workshop, quantitative research methods, qualitative research methods, quantitative data analysis and presentation (workshop) and qualitative data analysis.

Contemporary Issues in Logistics Management (LMA8X01)

The purpose of this module is to equip students with knowledge of the nature and impact of pertinent modern day issues confronting logistics managers. This module will enable students to understand and reflect

on the impact of modern day technological advances, key trends in logistics management and developments in sustainable logistics, logistics strategies and operations. The following study units are covered: Green operations and supply chain management, Design for the environment (DFE), Sustainable management strategies, Contemporary digital systems, contract logistics and city logistics.

Supply Chain Management (LMA8X02)

The purpose of this module is to develop highly specialised applied competence enabling students to critically analyse and explain the principles and importance of supply chain management. To create an understanding of the way supply chain management impacts all areas of the business organisation and how businesses can improve their competitive positions by employing supply chain practices. The following topics are covered: Understanding supply chain management and related concepts, supply chain management vs. logistics management, supply chain business processes, supply chain models, supply chain structures, purchasing issues in supply chain management, operations issues in supply chain management, distribution issues in supply chain management and co-ordination and technology in the supply chain.

Road Freight Transport (TRE8X09 & TRE8X10)

The purpose of the course is to familiarise the learner with all aspects relating to road freight transport and its role in the national economy. Topics include: The extent of road freight transport. Modal characteristics and inherent advantages. Intermodalism – opportunities and developments. Intermodal technology – Door-to-door logistics. Practical road/rail interface. Policy recommendations – the White Paper on Transport. History, evaluation and current status of road transport and legislation. The RTQS. Law enforcement and management. Role of public and private sector in road freight transport. Types of carrier ownership. Own transport vs. for-hire transport. Transport planning. Routing and vehicle utilisation. Vehicle specification and design. Legislation on hazardous products and abnormal loads. Costing and pricing of transport.

Rail Transport (TRE8X07 & TRE8X08)

The purpose of these modules are to familiarise learners with the principles and issues relating to rail transport and the role of the mode in the national economy. Topics include: Brief historical background of rail transport. The role of railways in the Southern African context. Current issues in rail transport in South Africa. Market shares and financial aspects. Rail cost patterns. Analysis of cost patterns. Tariff setting in a rail context. Management and control of railway operations. Marketing of railway services. Privatisation and its implications. Technical matters. Co operation with other modes and intermodal arrangements. Railways and tourism. Railway and rural development. Concessioning and contracting in of rail transport.

Public Transport (TRE8X05 & TRE8X06)

The purpose of these modules are to give learners an in depth understanding of issues relating to public passenger transport in South Africa and to suggest solutions to the problems from an organisational, operational and technical point of view. The modules cover: The history of cities and the relationship between urbanisation and economic progress. The link between efficient transport and efficient cities. Basic human needs and constitutional principles of social equity. "Seamless" public transport. Minimum service levels and service parameters for public transport. Formal and informal services. Administrative arrangements. Subsidy issues. Deregulation and privatisation. Modal analysis and comparisons. Operational and economic evaluations. Concessioning and contracting in public transport. Contract specification and design. Route patterns and scheduling. Legislative aspects and the implications of the White Paper on transport. Rural transport issues.

Maritime Transport (TRE8X11 & TRE8X12)

The module cover: The organisation of sea transport – major institutions, shipping lines, port authorities, governments. The demand for and supply of shipping – bulk/liners/tramp services. Global trading and cyclical factors. Shipping economics and pricing. Conference systems.

Shipping policy instruments. Types of ships. Equipment on ships. Documentation in international trade. Port Management. Safety at sea. Ship registration and financing. Qualification standards. Shipping Law and Regulations. Pollution and salvage legislation. Flags of convenience. International conventions. National and international policies on maritime issues.

Aviation Transport (TRE8X13 & TRE8X14)

The purpose of these modules are to familiarize the learner with aspects related to aviation management in South Africa. Although the focus of the module is to concentrate on airlines and airport management, aviation legislation and institutional structures, it will also be expected of the learner to understand the economics, costing procedures and unique characteristics of the airline industry. At the end of the module learners will have a thorough theoretical base that will enable them to manage aviation tasks. History and role of aviation in South Africa. Domestic and international air transport policy. The White Paper on Transport and various international agreements and conventions. Roles and responsibilities of institutional structures, like the Airports Company and other governmental institutions. Airline Management and organization. Pricing, demand and output determination. Airline scheduling. Fleet planning and aircraft selection. Aircraft financing and passenger marketing. Aviation infrastructure. Airport administration and management. Airport costs. Airport pricing strategies and policies. Revenue recovery structures.

Contemporary Issues in Transportation (TRE8X20)

The purpose of this module is to allow the student to analyse the contemporary issues in transportation in South Africa as well as globally. Students will be prepared to evaluate the role of intelligent transport systems. Various new technologies, such as big data analytics and on demand transport will be identified and examined. Lastly, students will

have to reflect on knowledge acquired with regard to contemporary issues in transportation.

Principles of Transport Economics (TRE8X18)

The purpose of this module is to introduce the student to the principles of transport economics with a focus on competition and ownership issues. Students will also be required to summarise the price formation concept with specific reference to demand and supply of transport services, elasticity, marginal costing and consumer surplus. Students will be required to reflect on the role transport plays in the economy of a country.

Transport Policy and Regulation (TRE8X17)

The purpose of this module is to identify and evaluate the roles and responsibilities of the South African agencies in the implementation of transport policy and reflect upon the application of transport regulatory concepts and principles on a highly specialised level. The student is required to review and evaluate the different stakeholders in transport policy formulation and reflect on their individual roles and needs particularly in the context of a team scenario. The module will enable students to conduct specialised research in the transport policy formulation field and make a contribution to the level of knowledge by analysing, transforming and evaluating new information, abstract data and concepts including evidence from a range of sources, thus positively impacting on the economy and contributing to the redress of poverty in the country.

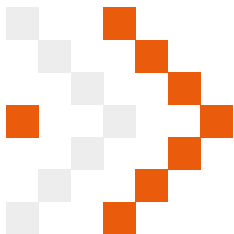
Urban Transport Studies (TRE8X16)

The purpose of this module is to identify and critically evaluate the roles and responsibilities of the South African agencies involved in the implementation of transport planning policy, legislation, and guidelines. Apply the management principles of organising and coordinating resources in a transport planning/project context, reflecting on the financial implications and the applications made to resolve highly specialised

contextual and abstract problems. Analyse international and local approaches to transport planning, and reflect upon the skills and capabilities required by those involved. Conduct specialised, scholastic, professional, technical and advanced research in the transport planning field. Apply the theory of modal integration and critically evaluate the international examples where modal integration was introduced, explain the current state of the road and rail infrastructure in South Africa, discuss the role of road and rail infrastructure in development and understand the issues related to the design, construction, maintenance and management of road and rail infrastructure in South Africa.

Urban Transport and Society (TRE8X19)

The purpose of this module is to introduce the student to various government departments and agencies in South Africa dealing with transport policy. Students will be required to evaluate national and international approaches to policy formulation and instruments. Lastly, students will be equipped to analyse transport policy documents and also reflect on the principles of transport policy formulation applied to identifying possible problems and solutions.



Follow us on  &  @UJTSCM

Department of Transport and Supply Chain Management
School of Management
College of Business and Economics

www.uj.ac.za/transport