

MSc Urban Planning – E506 (Subject to Approval)

1. Aim and Objectives

- to provide planners with knowledge, planning skills and the ability to adapt these to changing circumstances and the needs of society;
- to foster an awareness of the social dimension of planning and development and to ensure that planning policies and practices promote equality of opportunity so as to avoid or eliminate discrimination against any group in society;
- to add to planning knowledge and to improve practice and planning procedures through the promotion and publication of research;

2. General Entry Requirements

Successful completion of an undergraduate degree with

- at least a Second Class or 50%, whichever is applicable or
- a GPA not less than 2.5 out of 4 or equivalent, from a recognised higher education institution.

OR alternative qualifications acceptable to the University of Mauritius.

3. Programme Requirements

Preference will be given to candidates having at least two years of relevant work experience.

4. General and Programme Requirements – Special Cases

The following may be deemed to have satisfied the General and Programme requirements for admission:

- (i) Applicants who do not satisfy any of the requirements as per Regulations 2 and 3 above but who submit satisfactory evidence of having passed examinations which are deemed by the Senate to be equivalent to any of those listed.
- (ii) Applicants who do not satisfy any of the requirements as per Regulations 2 and 3 above but who in the opinion of Senate submit satisfactory evidence of the capacity and attainments requisite to enable them to pursue the programme proposed.
- (iii) Applicants who hold a full practising professional qualification obtained by examination.

5. Programme Duration

The Programme will be offered on a part-time basis. The duration of the Graduate Programme should normally not exceed 4 years (8 semesters).

	Normal	Maximum
Master's Degree:	4 Semesters	8 Semesters
Postgraduate Diploma:	4 Semesters	8 Semesters

6. Credits per Semester: Minimum 3 credits subject to Regulation 5.

7. Minimum Credits Required for the Award of

Master's Degree: 36
Postgraduate Diploma: 24

Breakdown as follows:

	Core Taught Modules (Minimum)	Project	Electives/ Optional Modules
Master's Degree:	18 credits	9 credits	9 credits
Postgraduate Diploma:	18 credits		6 credits

8. Assessment

Each module will carry 100 marks and will be assessed as follows (unless otherwise specified):

Written examination of 3-hour duration and continuous assessment of 10% to 30% of total marks.

Continuous assessment can be based on laboratory work, assignments and/or 1 class test.

For a student to pass a module, a minimum of 30% should be attained in both of Continuous Assessment and Written Examination separately, with an overall total of a minimum of 40% in that module.

All modules carry equal weighting.

The Project carries 9 credits.

Submission Deadlines for Dissertation:

First Draft: End of July of Final Year.

Final Copy: Last working day of August of Final Year.

9. Plan of Study

Students are required to submit at the end of Semester 1 a Plan of Study for their whole Programme of Studies, indicating the list of elective modules and in which semester each of them will be taken.

The University reserves the right not to offer a given elective module if the critical number of students is not attained and/or for reasons of resource constraints.

10. Important Note

The rules as stipulated in this Programme Structure and Outline Syllabus will replace all other rules and regulations found in previous Programme Structures.

11. List of Modules

Code	Module Name	Hrs/Wk L+P	Credits
<u>CORE MODULES</u>			
CIVE 5104	Sustainable development in planning	3+0	3
CIVE 5105	Transport planning and policies	3+0	3
CIVE 5208	Site Planning	3+0	3
CIVE 6403	Applications of GIS	3+0	3
CIVE 5209	Planning perspectives in Mauritius	3+0	3
ENGG 6101	Principles of Project Management	3+0	3
ACT 5112	Project Economics and Finance	3+0	3
<u>PROJECT</u>			
ENGG 6000	Research Project	-	9
<u>ELECTIVES</u>			
CIVE 5004	Planning theory and issues	3+0	3
CIVE 5005	Architectural planning	3+0	3
CIVE 6402	Integrated Infrastructure planning and development	3+0	3
CIVE 6102	Environmental Management I	3+0	3

12. Programme Plan

Module Code	SEMESTER 1	credits
CIVE 5104	Sustainable development in planning	3
CIVE 5105	Transport planning and policies	3
	Elective	3
	SEMESTER 2	
CIVE 5208	Site planning	3
CIVE 6403	Applications of GIS	3
CIVE 5209	Planning perspectives in Mauritius	3
	SEMESTER 3	
ENGG 6101	Principles of Project Management	3
ENGG 6000	Research Project	4.5
	Elective	3
	SEMESTER 4	
ACT 5112	Project Economics and Finance	3
ENGG 6000	Research Project	4.5

13. Outline Syllabus

CIVE 5104 SUSTAINABLE DEVELOPMENT IN PLANNING (L – 3.0)

The purpose of this module is to provide a theoretical base from which to analyse sustainable development in the planning field. Emphasis will be laid on the concept of MID – Maurice Ile Durable and the fundamental principles of environmental conservation are examined. Students' attention is focused on the nature of the environment, its different physical/biological components and their limited assimilative and carrying capacity. The course focuses on the dependence of man on the resources of air, soil, water, plant and animal life and on the promotion of the wise use of these resources.

CIVE 5105 TRANSPORT PLANNING AND POLICIES (L – 3.0)

This module considers the nature of, and rationale for, transport planning as a basis for examining its practice at various spatial scales. The characteristics of transport markets are examined and the form and consequences of intervention noted. The factors influencing the growth of transport are addressed and the attempts to modify travel behaviour through investment, fiscal, regulatory and land use policy instruments examined. As a central focus it considers the conflict between efficiency, equity, developmental and environmental objectives governing transport policy formation and appraisal. From this perspective, a framework is established within which transport-related problems are identified, transport strategies formulated, their impacts predicted and policies evaluated. A wide range of case studies is used to illustrate the principles and practice of contemporary transport planning and policy formulation.

CIVE 5208 SITE PLANNING, DESIGN AND DEVELOPMENT (L – 3.0)

This module introduces students to the theory and practice of site planning and urban design for the development process. It develops students' graphic, site appraisal, and design skills. The module explores key concepts, ideas and standards that shape approaches to site planning and design. It also considers the position of design in the UK planning system and looks at mechanisms available to planners to influence the form of developments such as design policies in development plans, supplementary guidance and development briefs

CIVE 6403 - APPLICATIONS OF GIS (L – 3.0)

Fundamental concepts of GIS. Spatial Data Structures. Referencing. Vector and Raster Analysis. Geographic Data Processing and Reporting. Applications of GIS in Domains such as Water Resources, Solid Waste Management, Agriculture, Land Use Planning, Transportation. GIS as a Decision-making Tool, based on Statistical Analysis.

CIVE 5209 PLANNING PERSPECTIVES IN MAURITIUS (L – 3.0)

The aim of this module is to make the students aware of the different legislation affecting Planning in Mauritius, the new perspectives of planning in Mauritius – IRS, RES. The module will also explain how the economic environment affects planning, the impacts of the Business Facilitation Act on Planning.

ENGG 6101 - PRINCIPLES OF PROJECT MANAGEMENT (L – 3.0)

Introduction to Principles of Project Management. Planning and Programming. Procurement Budgeting and Estimating. Project Control. Quality Management. Risk Management. Strategic Management. Project Appraisal. Project Completion Report. Case Studies.

ENGG 6000 – PROJECT (9.0)

The objectives:

1. to develop an ability to undertake research, analysis or design given an appropriate level of supervision;
2. to develop objectives and program of work;
3. to collect information, assess it and present it in an orderly and coherent form; and
4. to be able to work a document which presents clearly findings related to the study.

ACT 5112 - PROJECT ECONOMICS AND FINANCE (L – 3.0)

Introduction to the Mauritian Economy - Major Projects in the Economy - Economics of Projects - Costing - Projects and Productivity - Estimating and Competitive Tendering - Investment Appraisal - Cash Flow and Financing Projects.

CIVE 5001 PLANNING THEORY AND ISSUES (L – 3.0)

An overview of the existing planning tools in Mauritius and their relative importance. The existing guidelines, the PPGs and the strategic plans and the procedures for their implementation and enforcement.

CIVE 5002 ARCHITECTURAL PLANNING (L – 3.0)

Introduction to architecture, and to Architectural procedures and contracts. The importance of architecture in planning

CIVE 6102 - ENVIRONMENTAL MANAGEMENT 1 (L – 3.0)

Concept of sustainable development; Environmental management tools; EIA; EMS; Environmental legislation; Environmental audits; Waste audits; Risk assessment; Case studies; Environmental problems in Mauritius; Economic Tools to encourage pollution control.

CIVE 6402 - INTEGRATED INFRASTRUCTURE PLANNING AND DEVELOPMENT (L – 3.0)

Importance of Infrastructure Planning and Management. Systems Approach to Infrastructure Planning. Primary and Secondary Effects of Infrastructure Development. Demand Analysis and Economic Activity. Spatial Organisation and Multipurpose Infrastructure Planning. Regional Infrastructure Development. Energy Implications. Objectives, Economics and Multiobjective Evaluation Criteria. Environmental Planning in Infrastructure Development. Project Funding Schemes/Alternatives. Issues in Infrastructure Management. Social Aspects. Economic Impact of Infrastructure. Orienting Infrastructure towards Demand. Case Study.