

# Diploma in Town and Country Planning (Part-Time) – E201 (Under Review)

## 1. Aims and Objectives

The objective of this course is to provide the necessary skills and knowledge to students who will be involved in planning work. There is a shortage of trained technicians at the level of the local authorities, central government and Rodrigues and there is a need to build capacity. The course is geared primarily to officers already in employment in the above organisations' planning departments but who have no formal planning and who need to develop the proper perspective to planning work. The course would also be open to college-leavers and eventually to the wider Indian Ocean region.

## 2. General Entry Requirements:-

### 2.1 Schemes of Study Leading to the Award of a University Diploma

(i) A pass in English Language at Cambridge School Certificate/O Level or equivalent **and** Credits in five other subjects (School Certificate), (Applicants having credit in English Language need to have credits in only four other subjects)

**OR** (ii) Qualifications awarded by other universities and institutions which have been approved by the Senate as satisfying the minimum requirements for admission.

**OR** (iii) The IGCSE and the International Baccalaureate awarded by the International Baccalaureate Organisation, Switzerland.

**NOTE** (a) A pass at subsidiary standard at grades A, B or C in a Higher School Certificate will count as a credit at School Certificate/'O' Level, and a pass at Principal standard in a Higher School Certificate will count as a GCE pass at Advanced Level. A pass in General Paper at Subsidiary Level in the Higher School Certificate will be accepted in lieu of English at School Certificate/'O' Level.

(b) No subject shall be counted at both School Certificate/'O' Level and Higher School Certificate/A Level or their equivalent.

(c) The Dean of a Faculty may require an applicant for admission to sit a special entrance examination including specific Foundation Course.

(d) Specific additional entrance requirements often apply. (See under Programme Requirements for individual programmes).

### 2.2 Approved subjects for Admission to Schemes of Study for University Awards

The subjects offered by applicants for admission must be included in the following lists:

#### Arts and Social Studies Subjects

English Language  
English Literature  
Ancient History and  
Greek Civilisation  
History  
Economic History  
British Constitution  
Law  
Geography

Economics and Public Affairs  
Business Studies  
Sociology  
Psychology  
Logic  
Music  
Art  
Religious Knowledge  
French

Economic Geography  
Economics  
Economics & Political Studies  
Any other approved language

Greek  
Latin  
Hindi

**Mathematics/Science Subjects**

Mathematics  
Physics  
Physical Science  
Physics with Chemistry  
Science or General Science  
Chemistry  
Botany  
Zoology

Biology  
Social Biology  
Environmental Studies  
Geology  
Engineering Science  
Computer Science  
Statistics

General Studies

*Any other approved 'O' Level/ 'A' Level Subjects, subject to sections (I-VIII).*

**NOTE:**

- (i) Applicants may offer two mathematical subjects set by the same examining body provided they can be taken at the same sitting
- (ii) Physics with Chemistry and Physical Science cannot be counted with Physics or Chemistry.
- (iii) Biology cannot be counted with Botany, Zoology or Social Biology.
- (iv) Social Biology cannot be counted with Botany, Zoology or Biology.
- (v) Science or General Science cannot be counted with Physics, Chemistry, Physics with Chemistry, Botany, Zoology, Biology or Geology.
- (vi) Economic Geography cannot be counted with Geography.
- (vii) Passes of comparable standard in the course in the Physical Sciences organised by the Nuffield Foundation Teaching project are acceptable.
- (viii) Subjects not listed may be accepted in certain circumstances; each case will be considered on its merits.

**3. Programme Requirements**

2 'A' Levels or equivalent.

**Or** Credit in 5 GCE 'O' Level subjects + at least **10 years** relevant 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 1 and 2 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 1 and 2 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:**

Part-time  
2 years Minimum,  
4 years Maximum

The duration of the Programme should normally not exceed 4 years (8 semesters).

	<b>Normal</b>	<b>Maximum</b>
Diploma	4 semesters	8 semesters

**6. Semester:** 15 weeks duration (excluding Exam Period).

**7. Credit System:** 15 Hours Lecture and/or Tutorial – 1 Credit  
30-45 Hours of Laboratory Work – 1 Credit

**8. Credits Per Semester:** Minimum 3 credits (subject to Regulation 4)

**9. Minimum Requirements for the Award of the Diploma**

Minimum number of credits needed to be awarded a diploma is 61 credits.

**Note 1: Core Modules**

Students should satisfy **all core modules** to be eligible for the award of the Diploma.

**Note 2: Diploma project**

Dissertation /Project work to be carried out in level 2 will have a load equivalent of 6 hours per week.

**10. Assessment:**

**10.1 Continuous and Written Assessment of Modules**

All modules will carry 100 marks and will be assessed as follows (unless otherwise specified):

Written examinations of 2-hour duration and continuous assessment will count for **20% to 30%** of total marks. Continuous assessment will be based on fieldwork, assignments and **should include at least two (2) assignments/ tests per module.**

An overall total of **40%** for combined assessment and written examination components would be required to pass the module, without minimum thresholds within the individual continuous assessment and written examination.

**10.2 Grade Point Average (GPA), Cumulative Point Average (CPA) and Level/Year Point Average Formulae**

Under the GPA, the following letter grades and their grade point equivalent are used:

Letter Grade	Grade Point	Percentage	Description
A <sup>+</sup>	4.00	$x \geq 80$	Passes i.e obtains 40% and above in overall module earns Credits/Grade Points
A		$70 \leq x < 80$	
B		$60 \leq x < 70$	
C		$50 \leq x < 60$	
D		$40 \leq x < 50$	
F	0	$x < 40$	Fails i.e obtains < 40% in overall module. Does not earn Credits/Grade Points. Considered in CPA/GPA computation. Students to retake whole module
N		na	Incomplete module/project/independent study due to medical/financial/other reasons (may be in 1 or both components of the module). Marks for CA or WE which are available will be retained; marks for incomplete component (WE or CA) to be added when available to arrive at total marks for module.

Symbols on Transcripts	Description
Ex	Exemption in modules
S	Satisfactory completion of Placement /Industrial Training/Portfolio/Seminars/Module(s)

Academic standing of students is determined on the basis of a Grade Point Average (GPA), the Cumulative Point Average (CPA) and the Level/Year Point Average (LPA/YPA) computed as follows:

$$GPA = \frac{\sum (CW \text{ Attempted} \times \text{Grade point})}{\sum CW \text{ Attempted}}$$

$$CPA = \frac{\sum (CW \text{ Attempted} \times \% \text{ Marks})}{\sum CW \text{ Attempted}}$$

$$LPA/YPA = \frac{\sum (CW \text{ Attempted} \times \% \text{ Marks})}{\sum (CW \text{ Attempted})}$$

## 11. Classification of Award

### Diploma Award

Diploma with **DISTINCTION**: CPA  $\geq 70$

Diploma at **PASS level**: CPA  $40 \leq x < 70$

The CPA will appear in the transcript.

## 12. Termination of Registration

Registration will be terminated if CPA remains below 40 % for two registered consecutive Semesters.

## 13. Modules of a Special Nature

### Self-Study Subjects

Under special circumstances a student may be allowed to complete up to 6 credits (with grades) of course work by self-study, subject to recommendation by Department and approved by Faculty Board.

### Independent Study

Elective in form of projects may be offered to students who have already earned at least 75 credits. This elective will carry 3 credits and may be completed in a maximum of 2 semester. Grade S, U or X will be awarded for Independent Study.

### Audit Subjects

A maximum of 9 credits form modules in any course except departmental core modules may be allowed to be completed on audit basis. Audit facility will be allowed to all students upon recommendation of the Department. Grades S or U will be awarded for audit subjects

## 14. List of Modules - Diploma in Town and Country Planning

<b>Core Modules</b>		<b>Hrs/Wk</b>	<b>Credits</b>
		<b>L+P</b>	
<b>ENGINEERING</b>			
CIVE1203 D	Building Construction	2+1	2.5
MECH1101	Engineering Graphics	1+2	3
CIVE1103D	Planning Tools	3+0	3
CIVE1102D	Introduction to GIS	3+1	3.5
CIVE1113	Planning Perspectives	3+0	3
CIVE1143D	Surveying 1	3+1	3.5
CIVE1211	Introduction to Environmental Planning	3+0	3
CIVE1114	Survey techniques	3+0	3
CIVE1100	Vacation Specialised Training		3
CIVE2243D	Valuation and Estate Management	3+0	3
CIVE2207D	Transportation for planners	3+0	3
CIVE2216	GIS for planners	3+1	3.5
CIVE1207D	Architectural Technology	3+0	3
CIVE2142D	Civil Engineering Management 1	3+0	3
CIVE2208D	Environmental Management for planners	3+0	3
CIVE2217	Planning for sustainable development	3+0	3
CIVE2219	Introduction to urban design	3+0	3
CIVE2010D	Project		6
<b>Law and Management</b>			
LAWS1101	Introduction to Law and legal methods	3+0	3

## 15. Programme Plan

<u>YEAR 1</u>							
Semester 1				Semester 2			
Core Modules				Core Modules			
CIVE1203D	Building Construction	2+1	2.5	CIVE1113	Planning Perspectives	3+0	3
MECH1101	Engineering graphics	1+2	3	CIVE1143D	Surveying 1	3+1	3.5
CIVE1103D	Planning Tools	3+0	3	LAW1101	Introduction to law and legal methods	3+0	3
CIVE1102D	Introduction to GIS	3+1	3.5	CIVE1211	Introduction to Environmental Planning	3 +0	3
CIVE1114	Surveying Techniques	3+0	3	CIVE1100	Vacation Specialised Training		3
<u>YEAR 2</u>							
Semester 1				Semester 2			
Core Modules				Core Modules			
CIVE2243D	Valuation and Estate Management	3+0	3	CIVE2142D	Civil Engineering Mgt 1	3+0	3
CIVE2207D	Transportation for planners	3+0	3	CIVE2208D	Environmental Management for planners	3+0	3
CIVE2216	GIS for planners	3+1	3.5	CIVE2217	Planning for sustainable development	3+0	3
CIVE1207D	Architectural technology	3+0	3	CIVE2219	Introduction to urban design	3+0	3
CIVE2010D	Project			CIVE2010D	Project	6	

## 16. Outline Syllabus

### **CIVE1103D - PLANNING TOOLS (L – 3.0)**

An overview of the existing planning tools in Mauritius and their importance. The existing guidelines (specially outline schemes), and the procedures for their implementation and enforcement. Critical assessment of the existing framework.

### **CIVE1203D - BUILDING CONSTRUCTION (L/P – 2.5)**

Building codes and zoning. Types of structures and structural elements. Site preparation and layout. Introduction to architecture. Building construction drawing and computer aided drafting.

### **MECH1101 - ENGINEERING GRAPHICS (L/P – 3.0)**

Introduction to drawing office practice. Technical Drawing dimensioning. Electrical wiring diagrams. Introduction to building construction drawing.

### **CIVE1143D - SURVEYING 1 (L/P – 3.5)**

Principles of surveying. Controlled and detailed survey. Adjustments. Aerial photography.

**LAW1101- INTRODUCTION TO LAW AND LEGAL METHODS (L – 3.0)**

Law and other social sciences. Sources of law. Distinction between public and private law. Criminal and civil law. Role of law. Common law and civil law systems. Case law techniques. Statutory interpretations.

**CIVE1114 - SURVEY TECHNIQUES ( L – 3.0)**

Types of surveys and Survey techniques, Modes of data collection, Steps in survey design, Selection of a sample, Questionnaire design, Survey analysis

**CIVE1100 - VACATION SPECIALISED STUDY**

The specialised study carried out during vacation over a period of 10 weeks should cover topics which may not be adequately covered or which may be desirable in addition to the formal modules such as:

- ◆ Construction and Urban Design
- ◆ Plan-making Processes
- ◆ Implementation and Resources

**CIVE2243D - VALUATION AND ESTATE MANAGEMENT (L - 3.0)**

Principles of Valuation. Land use and land management studies. Land Values. Valuation rating and taxation. Relevant legislation.

**CIVE1207D - ARCHITECTURAL TECHNOLOGY (L - 3.0)**

Introduction to architecture. Architectural drawing and computer aided drafting. Architectural procedures and contracts.

**CIVE2142D - CIVIL ENGINEERING MANAGEMENT 1 (L- 3.0)**

Structure of the construction industry. Planning and programming. Estimating and tendering. Contract procurement. Civil engineering and building Quantities. Specifications. Site management.

**CIVE1102D - INTRODUCTION TO GIS (L/P – 3.0)**

The course focuses on fundamental concepts of GIS and its applications. Data structures. Spatial Referencing. Geographic Data Processing and reporting, GIS implementation issues.

**CIVE2207D - TRANSPORTATION FOR PLANNERS (L – 3.0)**

Transportation systems. Transport planning. Design of transport infrastructure. Traffic management and control. Transport and the environment.

**CIVE 2208D - ENVIRONMENTAL MANAGEMENT FOR PLANNERS (L – 3.0)**

Environment Management in the Industry. ISO 14000, Environment legislation; Environment impact assessments; Environmental compliance and monitoring.

**CIVE1113 - PLANNING PERSPECTIVES (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.

**CIVE2216 - GIS FOR PLANNERS (3.5)**

The use of GIS to analyse spatial data in order to improve land use planning and the management of resources and services. Spatial analysis and urban modelling techniques. The concept of an advanced and integrated GIS that acts as a decision support tool for land use planning.

**CIVE2217 - PLANNING FOR SUSTAINABLE DEVELOPMENT (L – 3.0)**

Today's development and planning are using up the Earth's environmental resources at an unsustainable rate. This module will look into the ways that planning can be carried out in a sustainable way.

**CIVE2219 - INTRODUCTION TO URBAN DESIGN (L – 3.5)**

Illustration of planning and design processes involved. The subject will develop skills in analysis of land use planning and design ideas. Current urban design and theory

**CIVE1211 - INTRODUCTION TO ENVIRONMENTAL PLANNING**

This module will introduce the environmental factors which need to be considered in order to achieve sustainable planning in Mauritius.

**CIVE 2010D DIPLOMA PROJECT (6)**

**CIVE1112 & CIVE1212 - MINI ASSIGNMENT (3.0) FOR CERTIFICATE STUDENTS**

The mini assignment should cover topics which may not be adequately covered or which may be desirable in addition to the formal modules such as:

- ◆ Construction and Urban Design
- ◆ Plan-making Processes
- ◆ Implementation and Resources

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