

BSc (Hons) Geomatics (Top-Up, Part-time) – OS 301P

1 Aim and Objectives

The aim of this programme is to provide an in-depth knowledge of the theory and methods in land surveying, mapping, cartography, photogrammetry, geographical information systems, and remote sensing, in order to prepare a skilled workforce in the field of Geomatics to meet regional, national, and international needs.

This BSc Top-Up programme consolidates the skills of students who already hold a Diploma in Land Surveying with the knowledge and competencies required in order to excel in the fields of land administration and management, acquisition of spatial data, spatial data management, planning, legal matters, disaster management, and social and environmental issues. Students will also be exposed to the latest tools and technologies such as global navigation satellite systems, smart sensors, web-based GIS, and mobile technologies. This programme will also serve as a pathway for advanced studies in the fields of Geomatics, Geo-Informatics, Land Surveying, Spatial Planning, Disaster Management, Hydrographic Survey, Marine Spatial Planning and Environmental Management.

This is a joint programme offered by the Department of Ocean Engineering & ICT at the Faculty of Ocean Studies and the Department of Civil Engineering, Faculty of Engineering.

2 Programme Requirements

Applicants must hold a Diploma in Land Surveying from the University of Mauritius or have an equivalent qualification acceptable to the University of Mauritius.

3 Programme Duration

The Programme is offered on a part-time (P/T) basis.

	Normal	Maximum
BSc (Hons) Geomatics (Top-Up, P/T):	2 Years	4 Years

4 Minimum Credits Required for the Award of the Degree: 48

Modules	Core Taught	Dissertation	Electives
Degree:	39 credits	9 credits	Nil

5 Assessment

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

Written Exams

All 3-credit Modules will be assessed by a 2 hr written exam paper

All 6-credit Modules will be assessed by a 3 hr written exam paper

Continuous assessment of **30% to 40%** of total marks. Continuous assessment can be based on laboratory work, and/or assignments and **should include at least one (1) assignment and one (1) class test 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.

Refer to Regulations, Chapter 6, Section 6.5 of the UoM Regulations.

Dissertation

The Dissertation carries 9 credits.

Submission Deadlines for Dissertation: As per the University of Mauritius Regulations Section 7.4.4

**6 List of Modules
(L= Lectures; P=Practical; T=Tutorial)**

CORE MODULES

**Hrs/Wk
L+T/P Credits**

OET 3101(5)	Computing for Geomatics	2 + 2	3
OET 3102(5)	Environmental Planning	2 + 2	3
OET 3007Y(5)	GIS & Remote Sensing	2 + 2	6
OET 3008Y(5)	Valuation, Project & Real Estate Management	2 + 2	6
OET 3201(5)	Hydrographic Survey	2 + 2	3
OET 3202(5)	Entrepreneurship & Marketing	2 + 2	3
OET 3103(5)	Community Sustainability and Empowerment	2 + 2	3
OET 3005Y(5)	Hazards & Mapping	2 + 2	6
OET 3006Y(5)	Spatial Info Applications	2 + 2	6
OET 3000Y(5)	Dissertation	-	9

7 Programme Plan – BSc (Hons) Geomatics (Top-Up, Part-Time)

YEAR 1 – Semester 1 & 2

SEMESTER 1				SEMESTER 2			
Code	Module Name	Hrs/Wk L+T/P	Credits	Code	Module Name	Hrs/Wk L+T/P	Credits
OET 3101(5)	Computing for Geomatics	2 + 2	3	OET 3201(5)	Hydrographic Survey	2 + 2	3
OET 3102(5)	Environmental Planning	2 + 2	3	OET 3202(5)	Entrepreneurship & Marketing	2 + 2	3
OET 3007Y (5)	GIS & Remote Sensing	2 + 2	-	OET 3007Y(5)	GIS & Remote Sensing	2 + 2	6
OET 3008Y(5)	Valuation, Project & Real Estate Management	2 + 2	-	OET 3008Y(5)	Valuation, Project & Real Estate Management	2 + 2	6
TOTAL							24

YEAR 2 – Semester 1 & 2

Code	Module Name	Hrs/Wk L+T/P	Credits	Code	Module Name	Hrs/Wk L+T/P	Credits
OET 3103(5)	Community Sustainability and Empowerment	2 + 2	3				
OET 3005Y(5)	Hazards & Mapping	2 + 2	-	OET 3005Y(5)	Hazards & Mapping	2 + 2	6
OET 3006Y(5)	Spatial Info Applications	2 + 2	-	OET 3006Y(5)	Spatial Info Applications	2 + 2	6
OET 3000Y(5)	Dissertation	-	-	OET 3000Y(5)	Dissertation	-	9
TOTAL							24

For the BSc (Hons) Award, students have to complete ALL core modules.