

MSc Coastal and Ocean Management (P/T)**(Under Review)**

1. CONTEXT AND OBJECTIVES

Modern development entails a multidisciplinary approach to assess impacts on short, medium and long-term, a perspective which offers potential for exploring and exploitation of resources for human benefits in a sustainable way. Mauritius has been diversifying its economy at a rapid pace during the last decade focusing mostly on tourism sectors. Since 2013, the government policy has been to drive forward the ocean economy for the Republic of Mauritius and to position the country as a regional hub in ocean-based economies. The development of such sectors is not prone to ecosystem damage, thus proper knowledge and capacity building is needed to bring the ocean economy to success. The flexible MSc Coastal and Ocean Management programme adopts a blended learning approach comprising core and elective modules. This programme is based on the concepts of sustainable coastal and ocean management in current developments of our lagoons and open sea. It provides an advanced understanding of integrated coastal and ocean management, coastal and ocean resources and governance. Coastal zone hazards, fisheries management and usage of GIS and remote sensing are major themes to be discussed. Sustainable development is discussed thoroughly over the course of the programme in a way to maximize resource yields without compromising ecological integrity.

The objectives of this flexible MSc Coastal and Ocean Management programme are to:

1. provide students with advanced knowledge on various aspects of coastal and ocean management, which will boost them up in their own professional development, as well as in promoting sustainable development of ocean and marine resources;
2. generate enthusiastic graduates who may consider further studies such as MPhil/PhD degrees to build higher level capacity in the Ocean Economy.

2. LEARNING OUTCOMES

Upon completion of this programme, students are expected to:

1. acquire advanced knowledge in coastal and ocean management;
2. master the subject jargon and develop skills to express their acquired knowledge in both written and oral form, with proper referencing of information sources;
3. develop scientific problem-solving skills, critical thinking skills and technical aptitudes in coastal and ocean management;
4. appraise, evaluate, and analyse data and scientific literature critically ;
5. develop the capacity to propose innovative and creative solutions to real-world problems in the ocean sector;
6. develop the team spirit and to efficiently work in diverse groups;
7. acquire general employability skills such as: teamwork, self-management, problem-solving, application of numeracy and statistics, application of information technology, communication skills, respect and ethics.

3. TEACHING AND LEARNING METHODS

The programme adopts a blended teaching and learning approach. Course modules are delivered with a mix of face-to-face and online classes, self-study periods and innovative student-centred activities to encourage active rather than passive learning to achieve the above outcomes. Methods of teaching and learning include, but are not limited to: lectures, tutorials, laboratory/field/computer-based practicals, case studies, mini-projects, oriented discussion, coached groupwork, seminars, visits, debates,

scientific paper appraisals, oral/poster presentations, audiovisual aids, quizzes, critical essays, role-playing, peer teaching.

4. ENTRY REQUIREMENTS

- **General 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 recognized higher education institution.

OR alternative qualifications acceptable to the University of Mauritius.

- **Programme (Specific) Requirements**

- BSc (Hons) in any of the following fields: Marine Science and Technology, Biology, Chemistry, Physics, Agriscience and Technology, Agriculture (Sp. Aquaculture), Chemical and Environmental Engineering or equivalent qualifications acceptable to the University of Mauritius.

5. PROGRAMME DURATION

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

	Normal	Maximum
Master's Degree (P/T)	2 years (4 semesters)	4 years (8 semesters)
Postgraduate Diploma (P/T)	2 years (4 semesters)	4 years (8 semesters)

6. MINIMUM LCCS CREDITS REQUIRED

Master's Degree:	72
Postgraduate Diploma:	48
Postgraduate Certificate:	30

For award of the MSc Marine Science degree, students must obtain at least 72 LCCS credits, including 48 LCCS credits from core modules, 6 LCCS credits from elective modules and 18 LCCS credits from the Research Project, as per table below.

Degree	Core Modules	Elective modules	Research Project	Total LCCS credits	No. of Learning Hours
Master's	48 LCCS credits	6 LCCS credits	18 LCCS credits	72	2160

LCCS Credits per year

Minimum 12 LCCS credits/ Yearly; Maximum (including retake modules, but excluding exempt modules) 96 LCCS credits/ Yearly

7. ASSESSMENT AND DEADLINES

Assessment

Each module will carry 100 marks (expressed as %) and will be assessed as follows:

- Assessment for each module will be based on a written examination and continuous assessment unless otherwise specified. Written examinations for yearly modules will take place at the end of Semester 2. Assessment will be based on a written examination of 3-hour duration for modules bearing 12 LCCS credits and of 2-hour duration for modules bearing 6 credits. Continuous assessment will account for 40% of the overall percentage mark for all modules, except where otherwise specified. Continuous assessment may be based on laboratory/field work, and/or assignments and should include at least 1 class test. All students should keep a portfolio of all coursework.
- The Research Project, COM 6000Y(1), will be assessed through a dissertation, an oral presentation and general performance throughout project duration.
- An overall total of 40% for combined Continuous Assessment and Written Examination components is required to pass a module without minimum thresholds within the individual continuous assessment and written examination.

Deadlines

COM 6000Y(1) Research Project:

- (i) Students should abide by the UoM deadlines for submission of their project dissertation;
- (ii) Students are expected to submit a complete draft of their project dissertation, together with the Turnitin Report, to their supervisor(s) at least four weeks prior to the UoM final submission deadline.

8. LIST OF MODULES

Core Modules

Code	Module Name	Contact Hrs	Self-Study/Hrs	Other Learning Activities/Hrs	LCCS Credits
COM 6001Y (1)	Integrated Coastal and Ocean Management	60	120	180	12
COM 6002Y (1)	Law of the Sea and Ocean Governance	60	120	180	12
COM 6003Y (1)	Coastal Hazards and Disasters	30	60	90	6
COM 6004Y (1)	Ocean and Coastal Sustainability	30	60	90	6
MMS 6003Y(1)	Marine Pollution and Ecotoxicology	30	60	90	6
COM 6006Y(1)	Fisheries Management	30	60	90	6
COM 6000Y (1)	Research Project				18

Elective Modules*

Code	Module Name	Contact Hrs	Self-Study/Hrs	Other Learning Activities/Hrs	LCCS Credits
COM 6007Y (1)	Coastal and Ocean Ecosystems and Resources	30	60	90	6
COM 6008Y (1)	Remote Sensing and GIS	30	60	90	6

** Not all modules may be on offer*

9. PROGRAMME PLAN

MSc Coastal and Ocean Management Full-Time (P/T)

Code	Module Name	Contact Hrs	Self-Study/Hrs	Other Learning Activities/Hrs	LCCS Credits
Year 1 Core Modules					
COM 6001Y (1)	Integrated Coastal and Ocean Management	60	120	180	12
COM 6002Y (1)	Law of the Sea and Ocean Governance	60	120	180	12
COM 6003Y (1)	Coastal Hazards and Disasters	30	60	90	6
Year 1 Elective Modules*					
COM 6007Y (1)	Coastal and Ocean Ecosystems and Resources	30	60	90	6
COM 6008Y (1)	Remote Sensing and GIS	30	60	90	6
Year 2 Core Modules					
COM 6004Y (1)	Ocean and Coastal Sustainability	30	60	90	6
MMS 6003Y(1)	Marine Pollution and Ecotoxicology	30	60	90	6
COM 6006Y(1)	Fisheries Management	30	60	90	6
COM 6000Y (1)	Research Project				18

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