UNIVERSITY OF MAURITIUS
Faculty of Agriculture

MSc Climate Change and Sustainable Development
(ALC522/16)

1.   Objectives

Climate change and sustainable development are closely interlinked. Climate change is impacting on a number of natural and anthropogenic conditions that serve as the basis for economic and social development. At the same time, developmental activities influence the causative factors of climate change, as well as our vulnerability to it. Africa in particular is predicted to be the worst affected by climate change. There is therefore a need to build continental and national capacity to pursue resilient, low-carbon development pathways that sustainably address climate change challenges. This programme targets not only Mauritius, but the entire sub-Saharan African region as it forms part of a collaboration between African Universities to significantly enhance the climate adaptive capacity and resilience of the SADC region.

This programme is also in line with the vision of Governments on developing climate resilience in various economic sectors. To realize this vision, a country needs trained manpower at various levels, scientifically-generated and reliable data and knowledge, as well as the enabling framework. This programme aims to provide graduates with training in climate change and sustainable development issues, and a good grounding in sectoral development in the context of a changing climate.

On completion of this programme, the students will have developed knowledge and skills to:

1.   explain the interlinked issues surrounding climate change in the context of sustainable development in the local and regional contexts.
2.   describe the diverse values and roles that pertain to the different sectors and stakeholders relevant to climate change and sustainable development in the local and regional contexts.
3.   apply interdisciplinary competencies that enable them to work with other disciplines;
4.   apply disciplinary expertise and associated practical technical skills in an area of specialism within the field of climate change and sustainable development.
5.   apply the knowledge areas and competencies outlined above to solve specifically defined problems in different African contexts.

2.   General Entry Requirements

Successful completion of an undergraduate degree with

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

OR alternate qualifications acceptable to the University of Mauritius.

3.   **Programme Requirements**

A Degree in Agriculture, Science, Environment or related subjects (e.g. Geography, Economics)
Candidates with an Undergraduate degree that is not in a Science field, should have successfully completed at least one (1) Science subject at Advanced level.

4.   **General and Programme Requirements – Special Cases**

The following may be deemed to have satisfied the General and Programme requirements for admission:
- Applicants who do not satisfy any of the requirements as per Regulations 2 and 3 above but submit satisfactory evidence of having passed examinations which are deemed by the Senate to be equivalent to any of those listed.
- 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.

5.   **Programme Duration**

	Normal (Years)	Maximum (Years)
Master's Degree (F/T)	1	2
Master's Degree (P/T)	2	4
Postgraduate Diploma (F/T)	1	2
Postgraduate Diploma (P/T)	2	4

6.   **Credits per Year:** Minimum 6 credits subject to Regulation 5.

7.   **Minimum Credits Required for the Award of:**

Master's Degree: 36
Postgraduate Diploma: 24 (at least 12 credits should be from taught core modules)
Postgraduate Certificate: 12 (at least 6 credits should be from taught core modules)

Breakdown as follows:

	Credits from		
	Core Modules	**Elective Modules**	**Project**
MSc degree	18	6	12
Postgraduate Diploma	24		
Postgraduate Certificate	12		

8.   **Teaching and Assessment**

Modules will be taught on blended mode, with some topics being taught face to face, and some on an online basis.

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

Assessment will be based on a written examination of 2 to 3-hour duration (normally a paper of 2 hour duration for modules carrying three credits, and 3 hour paper for modules carrying six credits) and on continuous assessment done during the semester/ year.

Written examinations for modules, whether taught in semester 1 or in semester 2 or both will be carried out at the end of the academic year.

The continuous assessment will count for 50% for the programme.

Continuous assessment will be based on practical classes in and outside the laboratory, case studies, Problem-Based Learning, visits, student-led seminars, literature based research and/or assignments. There will be a minimum of two (2) Continuous Assessment activities for each module.

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

Submission Deadlines for Dissertation:
- First Draft: by last week day of July of the academic year.
- Final Copy: three copies of the dissertation (two- spiral-bound copies and one soft copy in single PDF text on electronic storage media) by last week day of August of the academic year by 4.00 p.m at latest. **In addition, a soft copy of the dissertation(main body i.e introduction up to the last Chapter) should be uploaded on the *"'Turnitin' Platform"* as a single PDF text file, in the appropriate class/assignment provided by the Project Supervisor* by 3.00 p.m.** In case a student is allocated a Part-Time Supervisor, class is to be created by the Programme/Project Coordinator.
- Failure to submit the Project/Dissertation through the Turnitin Platform will result in the project/dissertation of the student, whether bound or the soft copy, being unreceivable.

9.   **List of Modules**

Code	Module Name	Hr / Yr L+P	Credits
Core Modules			
AGRI 6078Y(1)	Research Methodology	30+45	3
AGRI 6109Y(1)	Concepts and Principles of Climate Change and Sustainable Development	60+60	6
AGRI 6110Y(1)	Transdisciplinary Thinking and Skills	45+0	3
AGRI 6111Y(1)	Impacts, Adaptation and Mitigation	60+60	6
AGRI 6000Y(1)	Project	-	12
Elective Modules (Students to choose any one)			
AGRI 6112Y(1)	Agriculture, Food Security and Climate Change	60+60	6
AGRI 6113Y(1)	Climate Change and Ecosystem Services	60+60	6
POLI 6000Y(1)	Climate Change and Urban Development	60+60	6
SCPL 6002Y(1)	Climate Change and Social Justice	60+60	6
PHYSI 6019Y(1)	Climate Modelling	60+60	6
Total Number of Credits = 36			

10.   Programme Plan – MSc Climate Change & Sustainable Development

For Full-Time:

	YEAR 1		

Code	Module Name	Hr / Yr L+P	Credits
Core Modules			
AGRI 6078Y(1)	Research Methodology	30+45	3
AGRI 6109Y(1)	Concepts and Principles of Climate Change and Sustainable Development	60+60	6
AGRI 6110Y(1)	Transdisciplinary Thinking and Skills	45+0	3
AGRI 6111Y(1)	Impacts, Adaptation and Mitigation	60+60	6
AGRI 6000Y(1)	Project	-	12
Elective Modules (Students to choose any one)			
AGRI 6112Y(1)	Agriculture, Food Security and Climate Change	60+60	6
AGRI 6113Y(1)	Climate Change and Ecosystem Services	60+60	6
POLI 6000Y(1)	Climate Change and Urban Development	60+60	6
SCPL 6002Y(1)	Climate Change and Social Justice	60+60	6
PHYSI 6019Y(1)	Climate Modelling	60+60	6
Total Number of Credits = 36			

For Part-Time:

	YEAR 1		

Code	Module Name	Hr / Yr L+P	Credits
CORE MODULES			
AGRI 6078Y(1)	Research Methodology	30+45	3
AGRI 6109Y(1)	Concepts and Principles of Climate Change and Sustainable Development	60+60	6
AGRI 6110Y(1)	Transdisciplinary Thinking and Skills	45+0	3
AGRI 6111Y(1)	Impacts, Adaptation and Mitigation	60+60	6

	YEAR 2		

Code	Module Name	Hr / Yr L+P	Credits
AGRI 6000Y(1)	Project	-	12
ELECTIVE MODULES (ANY ONE)			
AGRI 6112Y(1)	Agriculture, Food Security and Climate Change	60+60	6
AGRI 6113Y(1)	Climate Change and Ecosystem Services	60+60	6
POLI 6000Y(1)	Climate Change and Urban Development	60+60	6
SCPL 6002Y(1)	Climate Change and Social Justice	60+60	6
PHYSI 6019Y(1)	Climate Modelling	60+60	6

Total Number of Credits = 36