BSc (Hons) Agriscience and Technology (Full-time) - A313/15

1. Objectives

The changing socio-economic pattern of Mauritius has led to an increasing demand for agricultural produce of good quality. Agricultural production is now increasingly being characterized by the use of modern technology. It is the Government policy and vision for the future to adopt a technology-based approach to render the local agricultural sector more productive, service-oriented, sustainable and competitive whilst responding to the environmental and ethical standards demanded by society.

The further development of agriculture and its related industries is challenging and requires appropriate knowledge, skills and technology concepts to keep pace with the latest technological developments in that sector. This has led to the need for well-trained agricultural scientists who have the technical and practical skills in addition to in-depth knowledge of the science to meet these new challenges facing the Mauritian agriculture.

This programme aims to equip students with abroad spectrum of scientific, technical and managerial skills needed to contribute to the future success of agriculture in Mauritius.

By the end of this programme, graduates will have developed knowledge and skills to:

- Explain the scientific, economic and business principles under pinning crop and animal production methods in various types of production systems;
- Identify and evaluate appropriate agricultural techniques in the crop and animal sectors to enhance efficiency of production;
- Identify and solve technological problems encountered in current crop and livestock production systems;
- Evaluate the wider consequences of agricultural activities and promote sustainable agricultural practices;
- Transfer relevant knowledge, skills and technology concepts to the producers and to support innovation;
- Design, plan and carry out research in the various fields of agriculture;
- Manage agricultural enterprises and identify new ventures in the agricultural sector;
- Use appropriate scientific and statistical methods and evaluations for decision making in various sectors of agriculture;
- Demonstrate use of written and oral communication skills;
- Embark on training programmes at postgraduate level.

2. General Entry Requirements

In accordance with General Entry Requirements for Admission to the University for Undergraduate Degrees.

3. Programme Requirements

SC: Credit in Mathematics and Chemistry.
2 GCE 'A' Level passes in related approved Science subjects (Mathematics, Chemistry, Physics, Biology, Food Studies, Botany, Zoology, Computer Science or Computing).

4. Programme Duration

	Normal(Years)	Maximum(Years)
Degree	3	5

5. Credits per Year: Minimum 18 credits**,** Maximum 48 credits subject to Regulation 4.

6. Minimum Credits Required for Award of Undergraduate Degree: 103
Breakdown as follows:

	Credits from	
	Core Modules	**Project**
Degree	94	9

The Practical Training Component and the "Scientific Communication" module must be completed satisfactorily for the award of the degree. Students may exit with

(a) a Certificate after having earned 30 credits in core modules.
(b) a Diploma after having earned 60 credits in core modules.

7. Assessment

Each module will be assessed over 100 marks (i.e. expressed as%) with details as follows (unless otherwise specified):

Assessment will be based on a Written Examination of 2-3 hour duration, carrying a weighting of 70%, and Continuous Assessment carrying 30% of total marks for AGRI modules. Modules from other Faculties/Departments/Centres will carry weighting in the Written Examination and the Continuous Assessment as specified by the concerned Faculties/Departments/Centres. Continuous Assessment will be based on laboratory/field works ,and / or assignments, and should include at least 1 class test. Written examinations for all AGRI modules will normally be carried out at the end of the academic year.

An overall total of 40% for combined Continuous Assessment and Written Examination would be required to pass a module, without minimum thresholds within the individual Continuous Assessment and Written Examination.

All students should keep a portfolio of all coursework for their respective programme of studies and same should be made available upon request, to the Faculty/Centre Examination Office. In case students fail to submit the Portfolio to the External Examiners through the Faculty/Centre Examination Office, a penalty of 10% on all Continuous Assessment marks obtained shall apply

Modules will carry the weightings of 1, 3 or 5 depending on their status (Introductory, Intermediate or Advanced). Weighting for a particular module is indicated within parentheses in the module code. Each module will carry credits in the range of 1 to 6. Project will carry 9 credits.

Assessment of practical training will be based on the on-site supervisor's evaluation and the student's portfolio. For satisfactory completion of the practical training, a minimum of 40% should be attained.

The module AGRI 2261(1) - Scientific Communication carries 1 credit. Assessment of the "Scientific Communication" module will be based on continuous assessment of students throughout the module and/or submission of a portfolio and minimum of 40% should be attained.

Submission Deadlines for Dissertation:

-First Draft: By last week day of February of the Academic Year.

-Final Copy: Three copies of the dissertation (two spiral-bound copies and one soft copy in a single PDF text file on electronic storage media) should be submitted to the Faculty/Centre Registry and in addition, a soft copy of the dissertation in a single PDF text file should be uploaded on the 'Turnitin' Platform", in the final assignment submission link indicated by the Programme/Project Coordinator. All of the above should be submitted not later than the last week day of March of the academic year by 4.00 p.m. at latest.

-Failure to submit the Project/Dissertation through the Turnitin Platform will deem to be unreceivable.

8. List of Modules

Code	ModuleName	Hr/Yr L+P	Credits
AGRI1018Y(1)	Agricultural Chemistry and Soil Science	45+60	5
AGRI1034Y(1)	Animal Production: Principles and Techniques	30+30	3
AGRI1035Y(1)	Agronomy and Horticultural Crop Production I	45+60	5
AGRI1062Y(1)	Applied Economics, Extension and Systems	60+45	5
AGRI1047Y(1)	Microbiology and Genetics	60+60	6
AGRI1064Y(1)	Agrometeorology and Climate Change	45+0	3
COMS 1010 (1)	Communication Skills	DE	3
AGRI 1100 (1)	Occupational Health and Safety	15+0	1
AGRI2001Y(3)	Food Science and Technology	45+30	4
AGRI2024Y(3)	Agricultural Engineering and Applications	60+45	5
AGRI2111Y(3)	Statistical Methods for Agriculture	60+60	6
AGRI2088Y(3)	Biochemistry and Biotechnology	60+60	6
AGRI2089Y(3)	Pests, Diseases and Weeds Control	45+60	5
AGRI2092Y(3)	Animal Production and Science I	60+60	6
AGR12093Y(3)	Botany and Crop Physiology	60+45	5
AGRI2261(1)	Scientific Communication	15+0	1
AGRI3000Y(5)	Project	-	9
AGRI3003Y(5)	Animal Science and Production II	60+60	6

AGRI3026Y(5)	Crop Production Technologies	60+45	5
AGRI3051Y(5)	Postharvest Management and Agricultural Produce Processing	60+30	5
AGRI3085Y(5)	Agricultural Management and Marketing	60+45	5
AGRI3086Y(5)	Entrepreneurship for Small and Medium Agribusiness	45+30	4
AGRI2000	Practical Training can be undertaken either in Year 1or inYear 2		

Total No. of credits: 103

9. Programme Plan –BSc (Hons) Agriscience and Technology

YEAR 1			
Code	**ModuleName**	**Hr/Yr L+P**	**Credits**
AGRI1018Y(1)	Agricultural Chemistry and Soil	45+60	5
AGRI1034Y(1)	Animal Production: Principles and Techniques	30+30	3
AGRI1035Y(1)	Agronomy and Horticultural Crop Production I	45+60	5
AGRI1062Y(1)	Applied Economics, Extension and	60+45	5
AGRI1047Y(1)	Microbiology and Genetics	60+60	6
AGRI1064Y(1)	Agrometeorology and Climate Change	45+0	3
COMS 1010 (1)	Communication Skills	DE	3
AGRI 1100 (1)	Occupational Health and Safety	15+0	1

YEAR 2			
AGRI2001Y(3)	Food Science and Technology	45+30	4
AGRI2024Y(3)	Agricultural Engineering and	60+45	5
AGRI2111Y(3)	Statistical Methods for Agriculture	60+60	6
AGRI2088Y(3)	Biochemistry and Biotechnology	60+60	6
AGRI2089Y(3)	Pests, Diseases and Weeds Control	45+60	5
AGRI2092Y(3)	Animal Production and Science I	60+60	6
AGR2093Y(3)	Botany and Crop Physiology	60+45	5
AGRI2261(1)	Scientific Communication	15+0	1

YEAR 3			
AGRI3000Y(5)	Project	-	9
AGRI3003Y(5)	Animal Science and Production II	60+60	6
AGRI3026Y(5)	Crop Production Technologies	60+45	5
AGRI3051Y(5)	Postharvest Management and Agricultural Produce Processing	60+30	5
AGRI3085Y(5)	Agricultural Management and	60+45	5
AGRI3086Y(5)	Entrepreneurship for Small and Medium Agribusiness	45+30	4

AGRI2000 Practical Training can be undertaken either in Year1 or inYear 2

Total number of credits: 103