



Faculty of Agriculture University of Ruhuna

Undergraduate Handbook Academic Year 2021/2022

UNIVERSITY FLAG



UNIVERSITY ANTHEM

බබලන සිරිලක දකුණේ
විරුවන් බිහිකල දෙරණේ
පඬුවන් වොරැළුණු පොරණේ
සරසවියයි මේ රුහුණේ
සරසවියයි මේ රුහුණේ

විද්‍යා ශිල්ප කලා නැණ හරවත්
ලබමින් දන මන කරමින් පැණවත්
දෙස බස රැස සුරකින ඔඳ තෙදවත්
මිනිසුන් වෙමු ලෝ පසසන ගුණවත්

බබලන සිරිලක දකුණේ...

යුක්තිය ශක්තිය බව නිති සිහිකර
දූ ගොත් කුල මල පටු මන බිඳ හැර
නම රැක පරසිඳු රෝහණ පුරවර
හිරු සඳු වෙමු ලක් සරසවි නිලඹර

බබලන සිරිලක දකුණේ...

පද රචනය: මහාචාර්ය සුනිල් ආරියරත්න
සංගීතය හා ගායනය: ආචාර්ය පණ්ඩිත් ඩබ්. සී. අමරදේව



Faculty of Agriculture
UNIVERSITY OF RUHUNA

Undergraduate Handbook

Academic Year 2021/2022

Undergraduate Handbook

Academic Year 2021/2022

version 1.1

© Faculty of Agriculture, University of Ruhuna

Mail:

Mapalana
Kamburupitiya 81100
Sri Lanka

Email:

deanagri@agri.ruh.ac.lk

Phone:

+94 41 229 2200, 229 2382

Fax:

+94 41 229 2384

Web:

www.agri.ruh.ac.lk

Editorial Board:

Prof. Sudas D Wanniarachchi
Prof. NP Ranathunge
Prof. MKDK Piyaratne
Prof. S. Wijetunga
Prof WGD Lakmini
Prof. GY Jayasinghe
Prof. GC Samaraweera
Prof. C. Wijekoon
Prof. S Geekiyanage
Prof. D. Senaratna
Dr. PABN Perumpuli
Dr. ACP Priyanakra

Cover Design:

Ms. UDT Perera

Photography:

Mr. Sameera Bandara Rathnayaka



THE UNIVERSITY,

VISION

To be the prime intellectual thrust of the nation

MISSION

To advance knowledge and skills through teaching, research and services to serve the society



Faculty of Agriculture

University of Ruhuna

Undergraduate handbook

Academic Year 2021/22

2021 ver. 1.1
2022 September

TABLE OF CONTENTS

1. UNIVERSITY OF RUHUNA	6
1.1 Introduction.....	6
1.2 Location of the University.....	6
1.3 Officers of the University.....	6
1.4 Contact Information of the University.....	7
1.5 Map of University of Ruhuna.....	9
1.6 Organization structure of the University.....	10
2. FACULTY OF AGRICULTURE.....	11
2.1 Introduction.....	11
2.2 The Mission	12
2.3 Administrative Staff.....	13
2.4 Map of the Faculty of Agriculture.....	14
3. THE DEGREE STRUCTURE AND MANAGEMENT	15
3.1 Basic Details of the degree programmes	15
3.2 Admission Requirements and Registration	15
3.3 Structure of the Academic Programmes	15
3.4 The Internal Quality Assurance Cell (IQAC)	16
3.5 Industrial Placement Office (IPO)	16
4. BSc HONOURS IN AGRICULTURAL RESOURCE MANAGEMENT & TECHNOLOGY (ARMT).....	18
4.1 Objectives.....	18
4.2 Graduate Profile	18
4.3 Course Structure for the BSc Honours in Agricultural Resource Management & Technology.....	18
4.4 Examination Regulations for the BSc Honours in Agricultural Resource Management and Technology	23
4.4.1 Admission Requirements.	23
4.4.2 Registration for the Degree Programme.....	23
4.4.3 Registration for Semesters and Course Units	23
4.4.4 Course Structure	23
4.4.5 Evaluation and Grading.....	24
4.4.6 Final year specialization programme	26
4.4.7 Guidelines for the calculation of final marks for courses in examinations	26
4.4.8 Restrictions for the period for completion of the degree	26
4.4.9 Fall-back option and credit transfer.....	26
4.4.10 Absentees at examinations.....	26
4.4.11 Scheme of awarding the degree	27
4.4.12 Effective Date of the Degree.....	27
4.4.13 Academic Dishonesty	27
4.4.14 Medical certificates for failure to attend examinations.....	28
4.4.15 Revision of Rules and Regulations	28
4.4.16 Interpretations.....	28
5. BSc HONOURS IN AGRIBUSINESS MANAGEMENT	30
5.1 Objective of the programme	30
5.2 Graduate Profile	30
5.3 Course Structure for the BSc Honours in Agribusiness Management.....	30

5.4 Examination Regulations for the BSc Honours in Agribusiness Management	34
5.4.1 Admission Requirements	34
5.4.2 Registration for the Degree Programme	34
5.4.3 Registration for Semesters and Course Units	34
5.4.4 Course Structure	34
5.4.5 Evaluation and Grading	35
5.4.6 Final year specialization programme	37
5.4.7 Guidelines for the calculation of final marks for courses in examinations	37
5.4.8 Restrictions for the period for completion of the degree	37
5.4.9 Fall-back option and credit transfer	37
5.4.10 Absentees at examinations	37
5.4.11 Scheme of awarding the degree	38
5.4.12 Effective Date of the Degree	38
5.4.13 Academic Dishonesty	38
5.4.14 Medical certificates for failure to attend examinations	39
5.4.15 Revision of Rules and Regulations	39
6. BSC HONOURS IN GREEN TECHNOLOGY	41
6.1 Objectives	41
6.2 Graduate Profile	41
6.3 Course Structure for the BSc Honours in Green Technology	41
6.4 Examination Regulations for the BSc Honours in Green Technology	45
6.4.1 Admission Requirements	45
6.4.2 Registration for the Degree Programme	45
6.4.3 Registration for Semesters and Course Units	45
6.4.4 Course Structure	45
6.4.5 Evaluation and Grading	45
6.4.6 Final year specialization programme	47
6.4.7 Guidelines for the calculation of final marks for courses in examinations	48
6.4.8 Restrictions for the period for completion of the degree	48
6.4.9 Fall-back option and credit transfer	48
6.4.10 Absentees at examinations	48
6.4.11 Scheme of awarding the degree	49
6.4.12 Effective Date of the Degree	49
6.4.13 Academic Dishonesty	49
6.4.14 Medical certificates for failure to attend examinations	49
6.4.15 Revision of Rules and Regulations	49
6.4.16 Interpretations	50
7. DEPARTMENT OF AGRICULTURAL BIOLOGY	52
7.1 Introduction	52
7.2 Academic Staff	52
7.3 Courses offered by the Department of Agricultural Biology	53
8. DEPARTMENT OF AGRICULTURAL ECONOMICS	54
8.1 Introduction	54
8.2 Academic Staff	54
8.3 Courses offered by the Department of Agricultural Economics	55
9. DEPARTMENT OF AGRICULTURAL ENGINEERING	56
9.1 Introduction	56
9.2 Academic Staff	57
9.3 Courses offered by the Department of Agricultural Engineering	57

10. DEPARTMENT OF ANIMAL SCIENCE	59
10.1 Introduction.....	59
10.2 Academic Staff	59
10.3 Courses offered by the Department of Animal Science	60
11. DEPARTMENT OF CROP SCIENCE	61
11.1 Introduction.....	61
11.2 Academic Staff	61
11.3 Courses offered by the Department of Crop Science	62
12. DEPARTMENT OF FOOD SCIENCE AND	63
TECHNOLOGY	63
12.1 Introduction.....	63
12.2 Academic Staff	63
13. DEPARTMENT OF SOIL SCIENCE.....	65
13.1 Introduction.....	65
13.2 Academic Staff	65
13.3 Courses offered by the Department of Soil Science	66
14. COMPUTER UNIT	67
14.1 Introduction.....	67
14.2 Academic Staff	67
14.3 Courses offered by the Computer Unit	67
15. INTERDISCIPLINARY COURSES	68
15.1 Interdisciplinary courses offered by the Faculty	68
16. LIBRARY	70
16.1 Introduction.....	70
16.2 Library Opening Hours.....	70
16.3 Library Collections	70
16. 4 Library Resource Classification	71
16.5 Library Catalogue	71
16.6 Library Services.....	71
17. LEARNING RESOURCES	74
17.1 English Language Teaching Unit	74
17.2 UTEL (University Test of English Language)	74
17.3 Computer Unit.....	74
17.4 Learning Management System (LMS)	74
17.5 Management Information System (MIS).....	75
Introduction.....	75
17.6 The Research Farm	75
17.7 Meteorological Station.....	76
18. GOLD MEDALS AND AWARDS.....	78
18.1 Gold Medals	78
18.2 Vice-Chancellor's and Dean's Awards	79
19. SPORTS AND RECREATION.....	83
19.1 Physical Education Unit.....	83
19.2 Sports Facilities.....	83
19.3 Social events of the students.....	84

20. STUDENT COUNSELING AND WELFARE SERVICES	86
20.1 <i>Student Affairs Branch</i>	86
20.2 <i>Financial Assistance</i>	86
20.3 <i>Medical Center</i>	86
20.4 <i>Student Counseling Service</i>	86
20.5 <i>Academic Counseling Service</i>	87
20.6 <i>Mentoring Service</i>	87
21.7 <i>Hostel Facilities and Policy</i>	87
21.8 <i>Canteen Facilities</i>	87
21.9 <i>Farm Sales Outlet</i>	87
22. CAREER GUIDANCE UNIT	89
22.1 <i>Introduction</i>	89
22.2 <i>Faculty Career Guidance Unit</i>	89
23. STUDENT UNIONS AND SOCIETIES	91
23.1 <i>Student Union</i>	91
23.2 <i>Student Societies</i>	91
APPENDICES	94
TELEPHONE DIRECTORY OF THE FACULTY OF AGRICULTURE	99

1. University of Ruhuna

1.1 Introduction

University of Ruhuna was established on 1st September 1978, as Ruhuna University College by a Special Presidential Decree. Currently, University of Ruhuna constitutes ten faculties, namely Agriculture, Engineering, Fisheries and Marine Sciences & Technology, Humanities and Social Sciences, Management & Finance, Medicine, Science, Technology, Allied Health Sciences and Graduate Studies.

The central administration unit of the University is located at the Wallamadama University complex. Faculties of Humanities and Social Sciences, Fisheries and Marine Sciences & Technology, Management & Finance, Science and Graduate Studies are located at the main University premises at Wallamadama (Matara). Faculties of Agriculture, Engineering, Medicine, Allied Health Sciences & Faculty of Technology are located in Mapalana (Kamburupitiya), Hapugala (Galle), Karapitiya (Galle), Godakanda (Galle) and Karagoda-Uyangoda (Kamburupitiya) respectively.

The University offers Bachelor, Master and PhD degrees in their respective disciplines. In addition, Diploma and Certificate courses are conducted in various disciplines.

At the first enrolment of the University of Ruhuna for the Bachelors' degree programmes in 1978, a total of 272 students were admitted. In the year 2022, undergraduate population of the nine faculties of University of Ruhuna was 13,029 (Table 1.1).

1.2 Location of the University

University of Ruhuna main campus is located 4 Km away from Matara along the Colombo-Hambantota (A2) main road. Matara (Sinhala: මාතර Tamil: மாத்ருறை) (originally Mahathota) is a city on the Southern coast of Sri Lanka, 160 km from Colombo. Matara historically belongs to the area called Ruhuna, one of the three kingdoms in Sri Lanka. First Indians who arrived to the island country according to the Mahawansa settled in the area, along the banks of Nilwala River.

Traveling from Colombo to Matara can be made either by train or bus. There are only a limited number of trains but buses are available every half an hour through the normal route or E1 expressway. The journey through the normal route takes about four hours from Colombo while one and half hours through expressway.

Table 1.1 Distribution of students among the nine faculties (as at 30 June 2022)

Name of the Faculty	No. of Students
Agriculture	1206
Engineering	1798
Fisheries and Marine Sciences & Technology	475
Humanities and Social Sciences	2299
Management and Finance	2054
Medicine	1258
Science	2041
Allied Health Sciences	781
Technology	1117
Total student population of the University	13029

1.3 Officers of the University

Chancellor

Venerable Dr Akuratiye Nanda Thero

Vice Chancellor

Senior Professor Sujeewa Amarasena
MBBS, MD, DCH (Col.), DCH (Sydney), Senior
Professor in Pediatrics

Deputy Vice Chancellor

Prof EP Saman Chandana
BSc (Ruhuna, SL) MPhil (Ruhuna, SL), PhD (Kyoto,
Japan)

Registrar

Ms PS Kalugama
BA (J'pura), MA (London), MBA(Ruhuna)

Dean, Faculty of Agriculture

Senior Prof Sudas D Wanniarachchi
BSc Agric (Ruhuna), MSc, PhD (Guelph, Canada)

Dean, Faculty of Allied Health Sciences

Dr KG Imendra
BDS (Peradeniya), PhD (Japan)

Dean, Faculty of Engineering

Dr Chithral Ambawatte

PhD (Russia), MSc (Russia), MSAE (Japan), FISITA (UK), FIAESL, MSLEMA, MASASL, MSLAAS.

Dean, Faculty of Fisheries and Marine Sciences & Technology

Prof KHMA Deepananda

B.Sc. (Hons) in Zoology (Ruhuna, SL), M.Sc. (Bremen, Germany), PhD (Kelaniya, SL)

Dean, Faculty of Graduate Studies (Act.)

Snr Prof (Ms) DAL Leelamanie

BSc Agric (Ruhuna), MSc (Peradeniya), PhD (Tokyo, Japan)

Dean, Faculty of Humanities and Social Sciences

Prof Upali Pannilage

BA, MPhil, PhD (Ruhuna), PG Dip (Colombo)

Dean, Faculty of Management and Finance

Prof PAPS Kumara

BBA (Ruhuna), MBA (Colombo), PhD (WUT, China)

Dean, Faculty of Medicine

Prof Vasantha Devasiri

Professor in Paediatrics, MBBS (Ruhuna), DCH (Colombo), MD (Colombo)

Dean, Faculty of Science

Prof (Ms) DHN Munasinghe

B.Sc. (Ruhuna, SL), Ph.D. (Deakin, Australia)

Dean, Faculty of Technology

Dr KGSH Gunawardena

BSc (Peradeniya), PhD (Oklahoma, USA)

Acting Librarian

Mr UA Lal Pannila

MSc (Lib and Information Science), B.A(sp) University of Peradeniya, Sri Lanka

Acting Bursar

Mr DLR de Zoysa

BSc (Accounting), (USJP), ACA (Chartered Accountant)

1.4 Contact Information of the University**Postal Addresses**

Main administration block of the University is located in Wellamadama. Also, the Faculty of Fisheries & Marine Sciences & Technology, Faculty of Humanities & Social Sciences, Faculty of Management & Finance, Faculty of Science, Faculty of Graduate Studies are located in Wellamadama.

University of Ruhuna,

Wellamadama, Matara 81000,
Sri Lanka

Addresses of the other five faculties:**Faculty of Agriculture,**

University of Ruhuna,
Mapalana, Kamburupitiya 81100,
Sri Lanka.

Faculty of Allied Health Sciences,

University of Ruhuna,
Godakanda, Galle 80000,
Sri Lanka.

Faculty of Engineering,

University of Ruhuna,
Hapugala, Galle 80000,
Sri Lanka.

Faculty of Medicine,

University of Ruhuna,
Karapitiya, Galle 80000,
Sri Lanka.

Faculty of Technology,

University of Ruhuna,
Karagoda-Uyangoda, Kamburupitiya 81100,
Sri Lanka.

Telephone and Fax Numbers of the University**Wellamadama Complex**

+94(0)41222681-2, +94(0)412227001-4

+94(0)412222683 (Fax)

Faculty of Agriculture

+94(0)412292200, +94(0)412292384 (Fax)

Faculty of Engineering

+94(0)912245765, +94(0)912245762 (Fax)

Faculty of Fisheries and Marine Sciences & Technology

+94(0)412227026, +94(0)412227026 (Fax)

Faculty of Humanities and Social Sciences

+94(0)412227010, +94(0)412227010 (Fax)

Faculty of Management & Finance

+94(0)412227015, +94(0)412227015 (Fax)

Faculty of Medicine

+94(0)912234730, +94(0)91222314 (Fax)

Faculty of Science

+94(0)412222701, +94(0)412222701 (Fax)

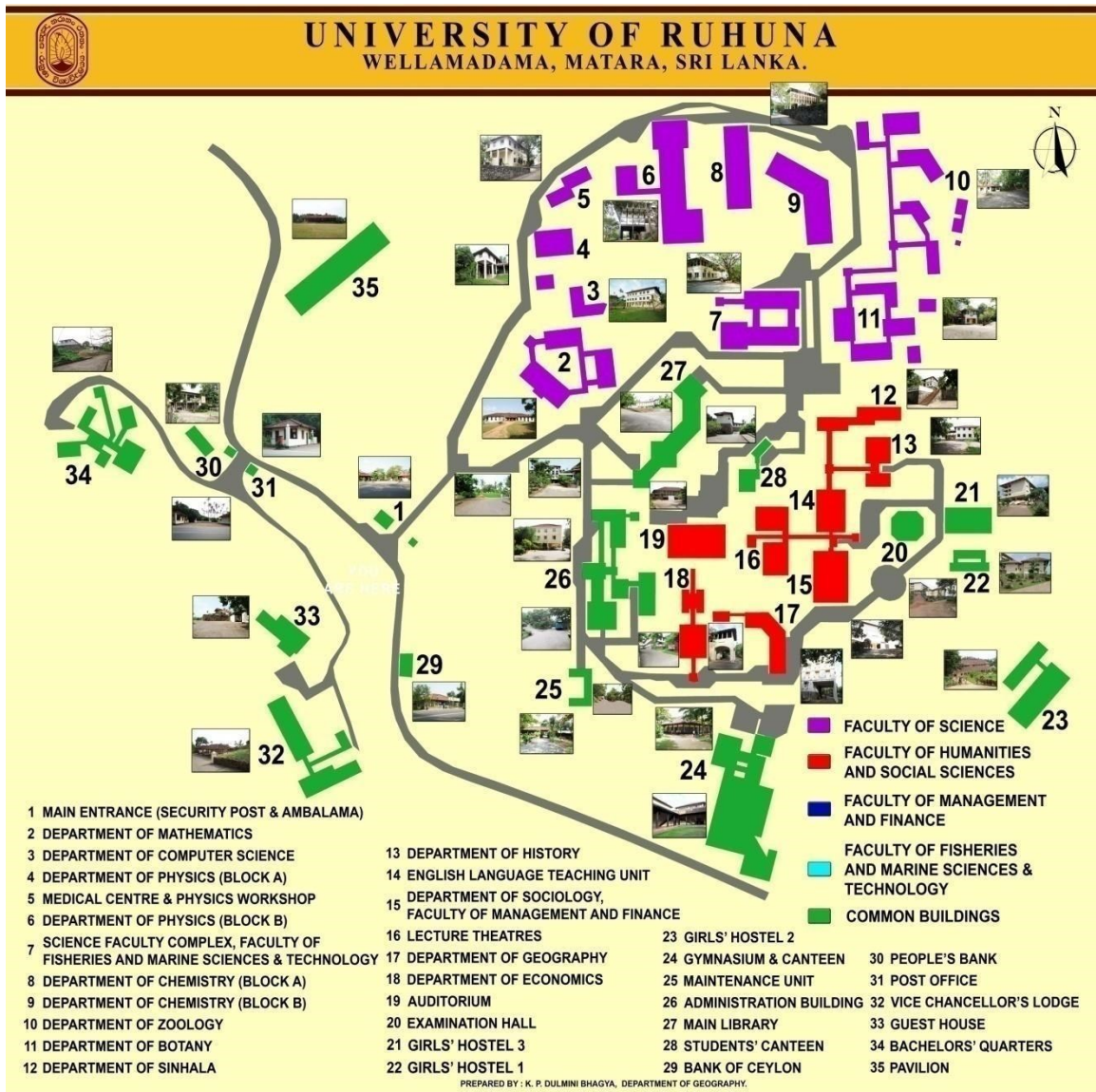
Electronic Mail/Web

The university can be reached by electronic mail from anywhere in the world. The mail domain is ruh.ac.lk. The e-mail addresses of the academic staff and other offices are available in the University Website: <http://www.ruh.ac.lk>

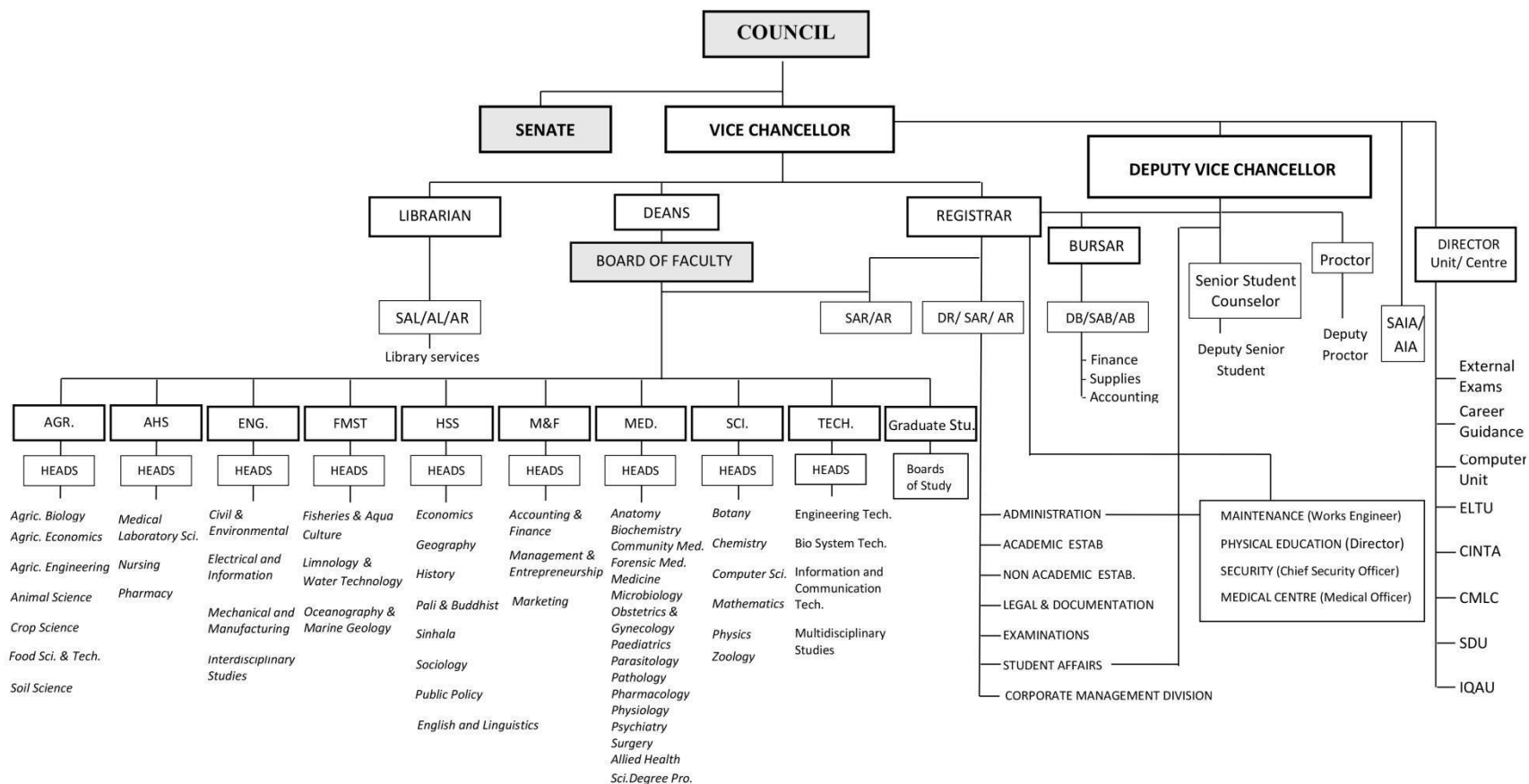
Internal Telephone Numbers

Vice Chancellor	12001
Office	12004
Deputy Vice Chancellor	12002
Office	12006
Registrar	12003
Office	12008
Librarian	12300
Bursar	12050
Deputy Registrar (Examinations)	12026
Deputy Registrar (Legal & Documentation)	12019
Deputy Registrar (Cooperate Management)	12022
Deputy Registrar (Academic Establishment)	12035
Senior Assistant Registrar (Non-Academic Establishment)	12031
Senior Assistant Registrar (General Administration)	12015
Assistant Registrar (Student Affairs)	12040
Director, Physical Education	12125
Director, Centre for Quality Assurance	12118
Director, Center for International Affairs	12106
Director, Staff Development Centre	12140
Medical Officer	12200
Career Guidance Unit	12145
Chief Security Officer	12150
Office	12151

1.5 Map of University of Ruhuna



1.6 Organization structure of the University



2. Faculty of Agriculture

2.1 Introduction

The Faculty of Agriculture, one of the pioneering four faculties of the University of Ruhuna, is located at Mapalana, 16 km from Matara, and 2 km from Kamburupitiya along Matara-Kamburupitiya main road. The Faculty premises of 50 ha includes several academic and administration buildings which house lecture theatres, laboratories, the library, student residences, student recreational facilities, canteens, auditoriums etc. supporting academic and research programmes. The Faculty farm is also located within its premises, integrating farm activities with teaching, research and outreach programmes.

The Faculty of Agriculture strives to contribute to national development through the propagation of new knowledge and producing skilled, efficient and marketable graduates. Resources of the Faculty are concentrated to offer 3 unique undergraduate degree programmes viz. BSc Honours in Agricultural Resource Management and Technology, BSc Honours in Agribusiness Management, and BSc Honours in Green Technology, all being 4-year career-oriented degrees. At present, the Faculty has seven academic Departments of study, namely Departments of Agricultural Biology, Agricultural Economics, Agricultural Engineering, Animal Science, Crop Science, Food Science and Technology and Soil Science and a separate computer unit. All three-degree programmes fall into the **SLQF level 6** and the courses are conducted in the English medium. The Faculty admits 250 students annually and the Faculty identified itself as the leading centre for agricultural research, extension and teaching in southern Sri Lanka

The staff strength of the Faculty has increased progressively since its inception and now the Faculty has 75 permanent staff members including 8 Senior Professors and 18 Professors and approximately 25 temporary academic staff members. In addition, many scientists/academics with international reputes serve the faculty as Adjunct Professors/Visiting Professors to enhance the academic climate and research culture of the Faculty. In addition, the Faculty has made every endeavour to obtain the services of outstanding agricultural scientists, administrators, policy makers, planners, etc. in the country with a view to

supplementing and enriching the academic programme.

The Faculty is equipped with a Computer Unit having fully functioning IT laboratory and a versatile staff to provide assistance in IT related activities in teaching, research and administration. The faculty has the capacity to host online teaching and interactive learning platforms via LMS to all its students.

While fostering national education, the Faculty is becoming increasingly committed to community and regional development. The Faculty is strongly committed to Southern area development and fostering the University-Industry linkages. As examples for a public-private partnership, the MoUs signed between University of Ruhuna and Dialog Axiata PLC can be highlighted. To strengthen these activities, an Industrial Placement Office (IPO) was established in 2005 and an Industrial Placement Officer was recruited to meet the needs of the graduates in career guidance, internships, job seeking, university-industry linkages etc. To this end, many academics of the Faculty are serving as consultants and resource persons in a number of national and international institutions and agencies.

The Grade Point Average (GPA), an internationally recognized calculation system used to find the average results of all grades achieved throughout the courses is practiced since 2006 in the Faculty. In this system, students are given a choice to select elective courses from a vast array of subject combinations and preferences in the second and third years. Also, students have more opportunities to get involved in extracurricular activities, learning of languages, skill development and career guidance activities. The third-year second semester of the BSc Honours in Agricultural Resource Management and Technology degree programme consists of a practical farm training programme conducted at the Faculty Farm. The students get the opportunity to visit public and private sector farms, research centres and other institutions during the course of study. In addition, the students are given training in management of plantation crops conducted at nearby estates. Training in Agricultural Machineries Course is conducted at the Faculty in collaboration with Browns Company PLC to equip students with comprehensive knowledge in farm machinery. Each student, during the final year of the degree programme, will have to follow compulsory

courses in Applied Statistics, Technical Writing and Communication Skills and Professional Development in addition to the courses offered in the specialization field of study selected by the student. For the specialization course, the students have to follow advanced course modules offered by the particular department and conduct a research project of a six-month duration subsequently submitting a dissertation. All the students must undergo a two-month Internship after their research projects in the final year of study.

The Faculty also offers six MSc degree programmes *i.e.* MSc in Agricultural Economics and Resource Management, MSc in Agri-Business Management, MSc in Animal Science, MSc in Food Science & Technology, MSc in Green Technology, and in MSc Crop Production Technology through the Faculty of Graduate Studies, University of Ruhuna to meet the contemporary needs of the graduates in the region in addition to offering MPhil and PhD degrees by research. Equipment and laboratory facilities for teaching and research at both undergraduate and postgraduate levels are available in each Department of Study to carry out both fundamental and applied researches.

The staff of the Faculty has excelled in research as well, and have been successful in securing many competitive and prestigious research grants from agencies such as PSTC of USAID, BOSTID of National Academy of Sciences in USA, World Bank, CIDA, IDRC, IAEA, GTZ Germany, Erasmus+ and NORAD to name a few. The Faculty regularly conducts several training programmes in collaboration with various Institutions such as National Institute of Education, HARTI, UNDP, Matara Chamber of Commerce, Hambantota Chamber of Commerce, District Secretariat, Matara, Southern Development Authority, Ministry of Indigenous Medicine, Department of Irrigation and Sri Lanka Center for Development Facilitation (SLCDF), EDB, IFCO *etc.* In addition to all achievements, many academics of the Faculty have received International and National prestigious research and invention awards.

The Faculty has embarked upon publishing a peer reviewed International scientific Journal titled “Tropical Agricultural Research and Extension” since 1998, covering a wide range of subject areas in tropical and subtropical agriculture. The journal is published quarterly on the Faculty web site. Additionally, it is

available on the Sri Lanka Journals Online <https://tare.slijol.info>.

In the year 2008, the Faculty initiated an annual event to hold a National Symposium enabling students, academics, and researchers of the Faculty and outside agencies and organizations to present their research findings on topical themes relevant to Agriculture. This has become an international event since 2010 and the Faculty hosted this International Symposium in Agriculture & Environment (ISAE) for the 12th consecutive time in June 2022. In keeping with the broad objective of the Faculty to develop as an entity of international standing, the Faculty has already developed link programmes with several national and international institutes and Universities such as link programmes with Lund University of Sweden, University of Tokyo, Ibaraki, Ryukyus, and Kobe University of Japan and Karlsruhe Waterworks, Germany, Curtin, University of Southern Queensland, Australia, Huddersfield, Central Lancashire, UK, a number of Universities and Institutes in China to name a few. The Faculty has already developed collaborative research activities and student/staff exchange programmes with these international institutions where a number of academics and students have been benefited.

The students have the opportunity to improve their talents in sports, arts and many other areas by participating in various extra-curricular activities organized by the University as well as through student societies. In addition to free higher education, financial assistance through several scholarship schemes is also available. The hostel facilities are also subsidized, providing equal opportunities for students to pursue higher education.

This handbook has been prepared with the objective of providing information pertaining to teaching, research, outreach and development activities of the Faculty of Agriculture. It also provides basic guidelines to the students of the Faculty for their career development as well as their extra -curricular development.

2.2 The Mission

The Mission of the Faculty of Agriculture is to develop human resources and technology to cater to contemporary and future needs of the agricultural sector, to advance and disseminate knowledge and to

provide advice and guidance in the field of Agriculture,
for sustainable economic development.

2.3 Administrative Staff

Dean

Snr Prof Sudas D Wanniarachchi
BSc Agric (Ruhuna), MSc, PhD (Guelph, Canada)

Assistant Registrar

Mr UGC Lakchan
BMS (Hons) Marketing (OUSL), Reading for MBA
(Colombo), CABM (CMA Sri Lanka)

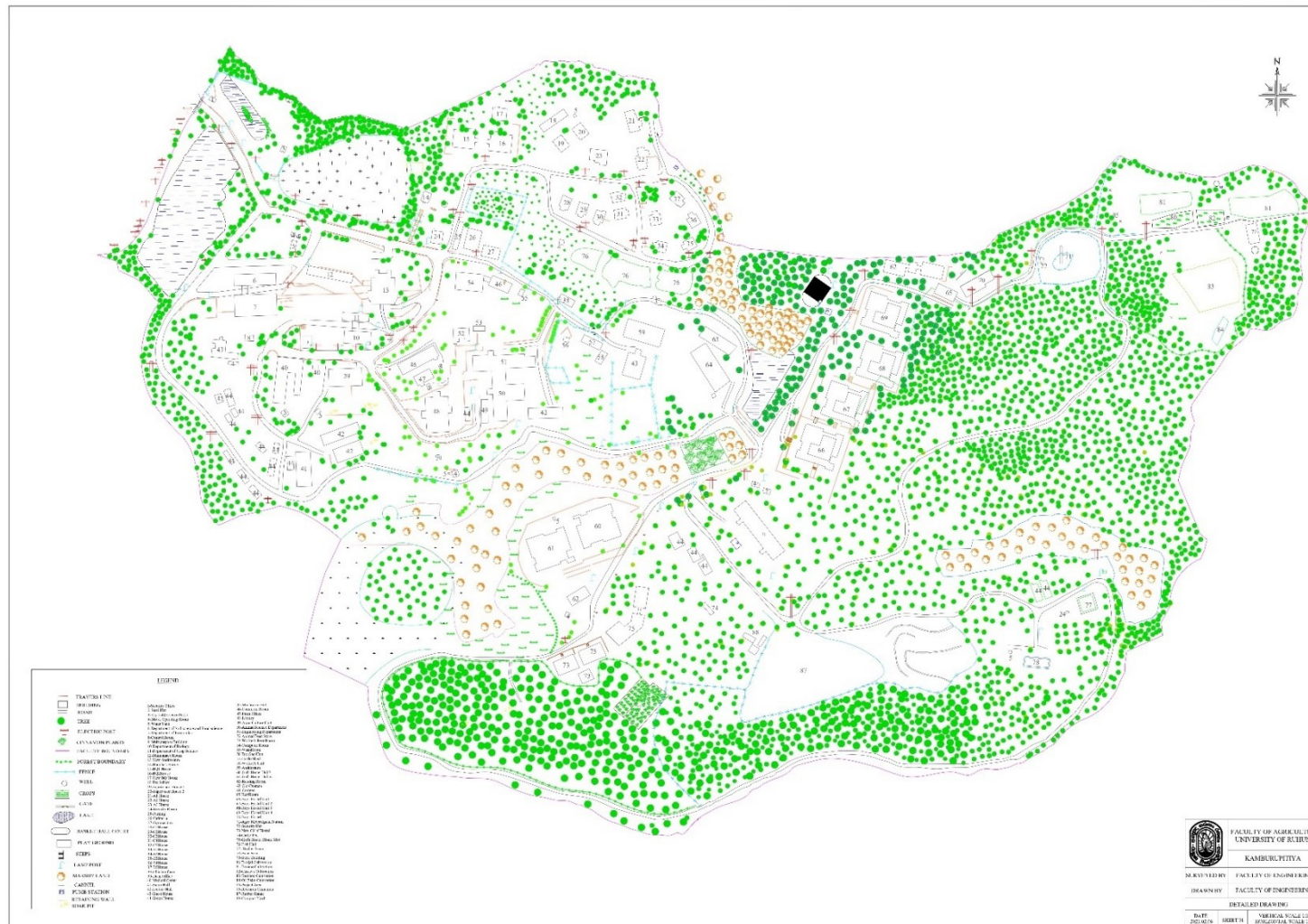
Senior Assistant Bursar

Ms Chintha Batuwita
BCom. (sp) (Kelaniya), PGD in Business Statistics
(Ruhuna)

Scientific Assistant

Ms HLC Himanda
BSc Agric (Ruhuna)

2.4 Map of the Faculty of Agriculture



3. The Degree Structure and Management

3.1 Basic Details of the degree programmes

At present, the Faculty of Agriculture is offering three BSc Honours degrees namely, BSc Honours in Agricultural Resource Management & Technology, BSc Honours in Agribusiness Management and BSc Honours in Green Technology.

3.2 Admission Requirements and Registration

All applicants for admission to any of the above three degree programmes in the Faculty of Agriculture, University of Ruhuna must satisfy the general university admission requirements for Faculties of Agriculture as laid down by the University Grants Commission of Sri Lanka. Students admitted to the Faculty shall register as full-time students and pay any fees as prescribed by the university.

Admission of foreign students

Foreign students are accepted for the degree programmes under the guidelines decided by the University Grants Commission.

3.3 Structure of the Academic Programmes

Orientation programme

A compulsory 8-week Orientation Programme is included in order to provide basic ICT, language and mathematical skills for new entrants. Students have to pass all the subjects at the end of the programme. The grades are given in the transcript.

Academic programme

The academic programmes leading to the degrees of BSc Honours in Agricultural Resource Management & Technology, BSc Honours in Agribusiness Management and BSc Honours in Green Technology shall be a full-time course organized on a two-semester system, over a period of four academic years. Thus, the degree programmes shall consist of eight semesters. Each course will be taught and evaluated within the semester and end semester examinations will be held at the end of each semester. The semester (except fourth-year first and second semesters) consists of 15 weeks of academic work. Courses will be evaluated under a credit scheme. The fourth-year second semester comprises a research study extending to a maximum of six-month duration

and four-month internship. One credit is considered equivalent to 50 notional learning hours for a taught course, laboratory studies course or field studies. In case of internship, including time allocated for assessments and in case of research, including time allocated for literature survey, one credit is considered equivalent to a minimum of 100 notional hours. The notional learning hours include direct contact hours with teachers and trainers, time spent in self-learning, preparation for assignments, carrying out assignments and assessments.

Course Notations

Course notation consists of two letters at the beginning representing the relevant department as follows,

AS	Department of Animal Science
BL	Department of Agricultural Biology
CS	Department of Crop Science
EC	Department of Agricultural Economics
EN	Department of Agricultural Engineering
FS	Department of Food Science and Technology
SS	Department of Soil Science
CC	Common Courses

The five-digit number represents the year, semester, number of credits and the course number for the semester offered by the department.

First numeral = Year

Second numeral = Semester (1 or 2)

Third numeral = Number of credits (1,2,3 etc.)

Fourth and fifth = Course number of the semester offered by the department

Eg: CS 21203 (Crop Science, Second Year, First Semester, two-credit course, third course offered by the department in the second year first semester).

Elective Courses

Apart from compulsory courses, elective courses are offered in all semesters of the second and third years of the degree programmes. The minimum number of elective credits a student shall follow to qualify for the award of the degree is 18 for BSc Honours in Agricultural Resource Management & Technology degree. The minimum credit requirement of the elective courses is 16 and 14 for BSc Honours in Agribusiness Management and BSc Honours in Green Technology degrees, respectively. However, students can follow more elective courses, subjected to the maximum limits of the course credits per semester as specified in the examination by-laws and regulations of the degree programme.

Elective courses offered in each semester will be announced at the beginning of the semester. Minimum number of students registered shall be three (03) and five (05), respectively for the Second and Third year in order to offer an elective course. Students have the freedom to choose elective courses within the first two weeks of the semester. Elective courses can be changed (deleted or added) within the first four weeks of the semester with the permission of the respective coordinators of the course.

Compulsory Non-GPA Courses

Students should follow the compulsory non-GPA credit courses indicated in the degree programmes to fulfil the requirement of the degree programme. However, the credits of these courses will not be counted for the numbers of required credits and GPA (Great Point Average) calculation.

Final Year Specialization Programme for BSc ARMT Degree Programme

BSc ARMT students can apply for the field of specialization at the end of the third year second (3-2) semester based on their performance and preference. In the fourth year first semester (4-1), students should study specialization modules of the respective department and all the compulsory common courses.

Research project

In the fourth year second semester (4-2), students should undertake a 24 weeks research project (6 credits) as directed by the supervisor and the respective Head of the Department. After completion of the project, the student shall submit a dissertation.

Internship

In the fourth year second semester (4-2) after the research project, students will be sent to selected outside public or private institutions for a 16 weeks internship (3 credits).

3.4 The Internal Quality Assurance Cell (IQAC)

The Centre for Quality Assurance (CQA) of the University of Ruhuna managed by the Senate Standing Committee on Quality Assurance is dedicated to maintaining the highest quality standards in the education system of the university. The Internal Quality Assurance Cell (IQAC) of the Faculty of Agriculture is the arm of the CQA operating at the faculty level in maintaining quality in the academic environment. The IQAC of the Faculty of Agriculture was established in the year 2015 and it comprises representatives from all academic departments and the computer unit. Being an ultimate beneficiary of the teaching and learning process, IQAC operates closely with the student community by continuously monitoring and gathering

feedback to support continued development of curricula. IQAC encourages the students to actively participate in the QA of academic programmes

3.5 Industrial Placement Office (IPO)

The Industrial Placement Office (IPO) attached to the Faculty of Agriculture is intended to develop effective and collaborative professional services through academic and industry involvement in curriculum development to meet the changing knowledge, skills, and technological requirements of the workplace. The primary function of the IPO is to coordinate the industrial training programme for final year undergraduates and to improve the quality and relevance of higher education to produce a SMART industry workforce through applied research using the most recent technological innovations and industry practices. The IPO primarily intervenes in the provision of career development services, the establishment of university-industry relations, the development of alumni networks, and other professional-related services. The IPO create an environment in which students can define their career interests while being prepared to handle the working norms of industry and commerce in both the public and private sectors. We are on the verge of launching an effective collaboration between industry and faculty to solicit assistance for business start-ups, innovations through corporate venture capital, and corporate acceleration.

**BSc Honours in Agricultural
Resource Management &
Technology (ARMT)**

4. BSc Honours in Agricultural Resource Management & Technology (ARMT)

4.1 Objectives

A BSc Honours in Agricultural Resource Management and Technology graduate should be armed with sound theoretical and practical knowledge in Agriculture as well as other essential skills to achieve the following programme objectives:

- Identifying and analyzing issues related to Agriculture.
- Finding acceptable solutions.
- Engaging in the areas of research, management, academia and entrepreneurship.
- Making agriculture as a commercial venture.
- An effective team leader/player with required skills in information technology and communication

4.2 Graduate Profile

Agricultural Resource Management and Technology graduates are expected to play significant and diverse roles in promoting agricultural production and facilitating agricultural and socio-economic development. To be successful in this endeavour, the graduates produced by the Bachelor of science degree programmes in ARMT should have the knowledge, skills and attitudes described in the profile given below:

The graduates should be,

- Equipped with sound subject-specific knowledge on the principles and satisfactory skills in the practices of agriculture,
- Competent and innovative with appropriate managerial and entrepreneurial skills,
- Capable of fulfilling the manpower requirement of the nation in contributing towards sustainable and environmentally friendly, social and economic development.

4.3 Course Structure for the BSc Honours in Agricultural Resource Management & Technology

The minimum number of total credits required for the degree is 126. Table 4.3.1 shows the credit allocations for each Department and components of Study. The credit allocation for different semesters of the degree of BSc ARMT is shown in Table 4.3.2. Table 4.3.3 shows all courses offered in the degree of BSc ARMT.

Table 4.3.1: The credit allocation by each Department and component of the study

Departments and components	Compulsory course credits
Crop Science	16
Animal Science	14
Agricultural Biology	13
Agricultural Economics	12
Agricultural Engineering	12
Soil Science	8
Food Science & Technology	8
Common Courses	10
Elective Credits (minimum)	18
Specialization Credits	6
Internship	3
Research Project	6
Total minimum credits required for the degree	126

Table 4.3.2: Credit allocation for semesters

Year	Semester	Required Numbers of Credits			Total
		Compulsory	Elective	Non GPA	
1	I	15		2	15
	II	16		3	16
2	I	14	2-6		16-20
	II	15	2-6		17-21
3	I	12	≥5		18 or more
	II	15	≥5		21 or more
4	I	12			12
	II	9			9
		108	18	5	126

Table 4.3.3 Courses offered in the degree of BSc Honours in Agricultural Resource Management & Technology

Year and Semester	Courses offered	Number of Credits
Orientation	Preliminary/Foundation courses	
	CC10001 General English	
	CC10002 Computer Awareness	
	CC10003 Basic Mathematics	
	CC10004 Basic Statistics	
	CC10005 Career Development and Active Citizen	
1-I	Compulsory courses	
	AS11201 Anatomy and Physiology of Farm Animals	2
	BL11301 Plant Physiology and Systematics	3
	CC11201 Information and Communication Technology in Agriculture	2
	CS11201 Principles of Agronomy	2
	EC11201 Micro Economics	2
	EN11201 Hydrology and Climatology	2
	FS11201 Biochemistry	2
	Compulsory non-GPA courses	
	CC11202 English I	2 (Non-GPA)
	Compulsory courses	
	AS12301 Animal Nutrition, Forage & Feed Technology	3
	BL12201 Entomology	2
	CS12201 Agroforestry and Silviculture	2
1-II	EC12201 Macro Economics	2
	EN12201 Agricultural Machinery Engineering	2
	FS12201 Food Chemistry	2
	SS12301 Fundamentals of Soil Science	3
	Compulsory non-GPA courses	
	CC12101 Basic Technical Writing	1 (Non-GPA)
	CC12202 English II	2 (Non-GPA)
	Compulsory courses	
	AS21101 Animal Genetics and Breeding	1
	AS21102 Animal Products Technology	1
	BL21201 Genetics and Plant Breeding	2
	CS21201 Agroecology	2
	EC21201 Agricultural Marketing	2
	EN21201 Bioprocessing and Post-harvest Engineering	2
2-I	FS21201 Food and Nutrition	2
	SS21201 Soil, Plant and Environment	2
	Elective courses	
	AS21203 Analytical Methods in Animal Nutrition	2
	BL21202 Developmental Plant Physiology	2
	BL21203 Economic Botany	2
	BL21204 Environmental Biology	2
	CS21202 Management of Aquatic Plants	2
	CS21203 Management of Energy Crops	2
	CS21204 Commercial Nursery Management	2
	EC21202 Book Keeping and Accountancy	2
	EC21203 Financial Management	2

EC21204	Natural Resource Economics	2
EN21202	Ergonomics	2
EN21203	Agricultural Pollution, Prevention and Remediation	2
EN21204	Wood Engineering Technology	2
FS21202	Basic Kitchen Skills and Menu Planning	2
FS21203	Food Toxicology	2
FS21204	Cereal Chemistry and Bakery Product Technology	2
SS21202	Wetland Resources and Management	2
SS21203	Soil Fauna Ecology	2
SS21204	Geo-data Mapping and Analysis	2

2-II

Compulsory courses

AS22201	Aquaculture and Non-ruminant Management	2
AS22102	Animal Health and Hygiene	1
BL22201	Molecular Biology, Biotechnology and Bioinformatics	2
BL22202	Plant Pathology	2
CS22201	Management of Spices and Beverage Crops	2
CS22202	Fruit Crop Management	2
EC22201	Farm Business Management	2
EN22201	GIS and Remote sensing	2

Elective courses

AS22203	Livestock Economics and Marketing	2
BL22203	Microbial Genetics	2
BL22204	Weed Biology	2
BL22205	Plant Protection Practicum	2
CS22203	Management of Medicinal and Aromatic Plants	2
CS22204	Floriculture and Landscaping	2
CS22205	Crop Stress Physiology	2
EC22202	Communication & Diffusion of Innovation	2
EC22203	Human Resource Management	2
EC22204	Managerial Economics and Customer Relationship Management	2
EN22202	Precision Agricultural Technology	2
EN22203	Agricultural Systems design and Construction	2
EN22204	Surveying and Levelling	2
FS22201	Nutrition for Life cycle	2
FS22202	Food Enzymology	2
FS22203	Fermentation Technology	2
SS22201	Soil Microbiology	2
SS 22202	Potting Media in Container Gardening	2
SS 22203	Soil Amendments and Risk Assessment	2

3-I

Compulsory courses

AS31201	Ruminant Management	2
CS31201	Plantation Crop Management and Training	2
EC31201	Social Science Research Methods	2
EN31201	Irrigation and Water Resources Engineering	2
FS31201	Food Preservation and Processing	2
SS31201	Land Resource Management	2

Elective courses

AS31202	Livestock Genomics	2
AS31203	Micro-livestock Production	2
BL31201	Environmental Plant Physiology	2
BL31202	Industrial Entomology	2
BL31203	Plant-microbe Interactions	2
CC31201	Database Management Systems	2

CC31202	Smart Farming Techniques and its Applications	2
CS31202	Forest Ecology and Management	2
CS31203	Plant Tissue Culture	2
CS31204	Rice Production Technology	2
CS31205	Organic Agriculture	2
EC31202	Rural Development and Empowerment	2
EC31203	International Trade and Marketing	2
EC31204	Innovation and Knowledge Management	2
EC31205	Total Quality Management	2
EN31202	Designing and Installation of Micro Irrigation Systems	2
EN31203	Technical Instrumentation and Device Development	2
EN31204	Environment Information and Management	2
EN31205	Renewable Energy for Sustainable Agriculture	2
FS31202	Food Waste Management	2
FS31203	Sensory Evaluation of Food	2
FS31204	Functional Foods and Nutraceuticals	2
FS31205	Fish, Meat and Egg Product Technology	2
SS31202	Tools for Environmental Studies	2
SS31203	Land-use Planning	2
SS31204	Soil Fertility Management	2
SS31205	Climate Change and Soil Gas Fluxes	2

3-II

Compulsory courses

AS32201	Applied Livestock Production	2
BL32201	Field Biology in Agriculture	2
CC32201	Applied Statistics	2
CS32301	Production Technology of Field Crops and Vegetables	3
CS32102	Protected Agriculture	1
EC32201	Extension Education	2
EN32201	Applied Agricultural Engineering and Environmental Technology	2
SS32101	Field Practices in Soil Science	1

Elective courses

AS32202	Animal Reproduction	2
AS32203	Livestock Waste Management	2
AS32204	Indigenous Farm Animal Genetic Resources Management	2
AS32205	Wildlife Conservation & Management	2
BL32202	Practicum in Molecular Biology and Biotechnology	2
BL32203	Ecological Engineering for Pest and Disease Management	2
BL32204	Commercial Apiculture	2
BL32205	Occupational Health and Safety in Agriculture	2
CC32202	Programming Concepts and Computer Programming	2
CC32203	Data Science in Agriculture and its Applications	2
CC32204	Time Series Data Analysis	2
CC32205	Multivariate Data Analysis	2
CC32206	Research Data Analysis	2
CC32207	Non-parametric Data Analysis	2
CS32203	Root Architecture and Crop Productivity	2
CS32204	Crop Modelling	2
CS32205	Commercial Seed Production	2
CS32206	Weed Management Technology	2
EC32202	Project Management	2
EC32203	Fisheries Management and Wellbeing	2
EC32204	Entrepreneurship	2
EC32205	Social Network Analysis	2
EN32202	Non-Destructive Analytical Techniques	2

	EN32203	Engineering Solutions for Controlled Environment in Agriculture	2
	EN32204	Training in Agricultural Machineries	2
	EN32205	Engineering Drawing	2
	FS32201	Food Product Development	2
	FS32202	Dairy product Technology	2
	FS32203	Food Packaging and Labeling	2
	FS32204	Food Material Science	2
	SS32202	Field Identification and Management of Soils	2
	SS32203	Land Use and Environment Quality	2
	SS32204	Data Interpretation and Communication	2
	SS32205	Research Initiation and Publication Ethics	2
4-I	Common compulsory courses		
	CC41201	Technical Writing and Communication Skills	2
	CC41202	Applied Statistics II	2
	CC41203	Professional Development	2
	Specialization courses		
	AS41201	Extended Essays in Animal Science	2
	AS41202	Animal Welfare and Legislations	2
	AS41203	Sustainable Livestock Production Systems	2
	BL41201	Advances in Crop Protection	2
	BL41302	Advances in Crop Improvement	3
	BL41103	Conservation Biology	1
	CS41101	Communications in Crop Science	1
	CS41202	Crop Experimentation	2
	CS41103	Urban and Peri-urban Agriculture	1
	CS41104	Floriculture and Landscape Training	1
	CS41105	Training in Forestry	1
	EC41201	Natural Resource Management	2
	EC41202	Agricultural Policy Analysis	2
	EC41203	Econometrics	2
	EN41201	Automated and Connected Agriculture	2
	EN41102	Modelling and Simulation in Systems Engineering	1
	EN41103	Disaster Risk Reduction & Climate Resilient Development	1
	EN41204	Design and Manufacturing Engineering	2
	FS41201	Food Microbiology and Safety	2
	FS41202	Food Analysis	2
	FS41203	Food Process Engineering	2
	SS41201	Soil Physics	2
	SS41102	Environmental Soil Chemistry	2
	SS41203	Soil Ecosystem & Dynamics of Organic Matter	1
	SS41104	Techniques in Soil Research	1
4-II	**42601	Research project	6 (24 Weeks)
	CC42302	Internship	3 (16 Weeks)

One credit is equal to 50 hours of total volume of learning (notional hours). In order to fulfill the notional hour requirement, students may attend self-studies, field work, homework, etc. in addition to in class sessions and practical classes. Two- star marks (**) would be replaced by the department code where the student undertakes his/her specialization.

4.4 Examination Regulations for the BSc Honours in Agricultural Resource Management and Technology

These Regulations may be cited as the University of Ruhuna, Sri Lanka, Regulations No. 01.10.2021 for the Degrees of Bachelor of the Science Honours in Agricultural Resource Management and Technology shall come into effect on 01.08.2021.

4.4.1 Admission Requirements.

- i. A student selected for admission to the Bachelor's Degree Programmes in the Faculty of Agriculture
 - a. must satisfy the general University admission requirements for Faculties of Agriculture laid down by the University Grants Commission, Sri Lanka.
 - b. must have been selected, according to the stipulated University Admission Criteria.
- ii. Applicants with foreign qualifications referred for admission by the University Grants Commission shall be admitted only with the consent of the Faculty Board.
- iii. A maximum of five diploma holders in Agriculture shall be admitted to the BSc Honours Agricultural Resource Management and Technology degree programme subject to fulfilling the admission criteria approved by the Senate. The candidates shall pass a written qualifying examination and the oral examination/interview conducted by the Faculty of Agriculture.

4.4.2 Registration for the Degree Programme

A student admitted to the Faculty shall register as a fulltime student. A student shall pay a fee prescribed by the University and maintain registration during the period of study.

4.4.3 Registration for Semesters and Course Units

- I. A student selected for admission shall register to follow the Degree Programme. Such registration shall be carried out as prescribed by the Senate.
- II. Registration for semesters of a Degree programme shall be determined in accordance with the regulations laid down by the Senate.
- III. Students shall register for all required course modules for each semester prescribed by the Faculty. Students, who fail to register for any

course module shall be considered as a repeat student unless he/she has been given an academic exemption by the Senate.

- IV. A student admitted to a Degree Programme shall not be permitted to concurrent registration for any other fulltime course of study.

4.4.4 Course Structure

- i. The Programme of study leading to the degree BSc Honours in Agricultural Resource Management and Technology shall be a fulltime course, consisting of eight academic semesters organized over a duration of four academic years.
- ii. The official academic calendar of dates approved by the Senate on the recommendation of the Faculty Board shall be announced prior to the commencement of each academic year.
- iii.
 - a. The curriculum shall be announced by the Faculty at the commencement of the degree programme.
 - b. Each course module shall be assigned a credit value that indicates the student's workload associated with class attendance and preparation.
 - c. There shall be a coordinator for each course module appointed by the respective Head of the Department/the Dean of the Faculty. The module coordinator shall prepare the respective course module including details of distribution of theory, practical and field works, notional hours, teaching-learning methods and assessment methods as per the format approved by the Faculty.
 - d. Course Structure of the BSc in Agricultural Resource Management and Technology Honours Degree programme. (SLQF Level - 6) is as follows;

Orientation Programme Non-GPA Courses

CC 10001: General English

CC 10002: Computer Awareness

CC 10003: Basic Mathematics

CC 10004: Basic Statistics

CC 10005: Career Development and Active Citizen

Credit Courses

Component	Credits
Compulsory Courses	99
Minimum requirement of Elective/Optional Courses	18
Research Project	06
Internship Training	03
Total number of credits	126

4.4.5 Evaluation and Grading

Evaluation procedure- Courses offered BSc Honours in Agricultural Recourse Management and Technology degree programme shall be evaluated on the basis of different components as tabulated below. Limits of marks to be allocated for each component are given in Table 4.4.5.1 and Table 4.4.5. 2.

Table 4.4.5.1: Limits of marks for the evaluation of courses

Component	Marks
End Semester Theory Examinations	50% - 80%
Continuous Evaluations (evaluation of practical work, assignments, class participation, seminars/presentations, oral tests, quizzes, etc.)	20% - 50%
End Semester Practical Examinations	00% - 30%
Total	100%

Table 4.4.5.2: Limits of marks for the evaluation of courses based on practical/field work

Component	Marks
End Semester Examinations	20% - 80%
Continuous Evaluations (evaluation of practical/field work, assignments, seminars/presentations, oral tests, quizzes, etc.)	20% - 80%
Total	100%

- i. End semester examination is compulsory for each course and should be conducted according to a prescribed timetable. In addition to the end semester examination, evaluation of each course shall contain at least one other component.

Students should obtain a minimum of 35 % each for theory and practical components in the end semester examination to pass the examination.

- ii. The final year research project shall be evaluated on the basis of proposal presentation, supervisors' evaluation reports, final presentation and the draft final report. Limits of the marks for each component are given in Table 4.4.5.3. The results of the research project shall be finalized after completion of all the components.

Table 4.4.5.3.: Limits of marks for the evaluation of the research project

Component	Marks
Proposal presentation	10% - 15%
Supervisors' evaluation reports, laboratory/field evaluations, etc.	25% - 40%
Final Presentation/oral examination	30% - 40%
Evaluation of the final draft report	20% - 30%
Total	100%

- I. Internship component of the degree programmes shall be evaluated on the basis of attendance, supervisors' reports, progress report/log books, final presentation and the report submitted by the candidate.
- II. The coordinator of a course shall be a member of the academic staff of seniority not less than that of a Senior Lecturer Grade

Component	Marks
End Semester Examinations	20% - 80%
Continuous Evaluations (evaluation of practical/field work, assignments, seminars/presentations, oral tests, quizzes, etc.)	20% - 80%
Total	100%

- III. Course coordinators and the teaching panel for each course should be appointed by the Faculty Board before the commencement of the academic semester subject to approval by the Senate. Scheme of evaluation of each course of the semester should be recommended by the

Faculty Board and approved by the Senate and shall be announced at the beginning of the semester by the relevant course coordinator.

- IV. Grades and Grade Point Values shall be assigned for each course according to the overall marks obtained for all components of the course. Marks with respective grades and grade points are shown in Table 4.4.5.4.

Table 4.4.5.4: Scheme of Grading and Grade Point Values

Marks (%) (Out of 100)	Grade	Grade Point Value
≥ 85	A ⁺	4.0
80 – 84	A	4.0
75 – 79	A ⁻	3.7
70 – 74	B ⁺	3.3
65 – 69	B	3.0
60 – 64	B ⁻	2.7
55 – 59	C ⁺	2.3
50 – 54	C	2.0
45 – 49	C ⁻	1.7
40 – 44	D ⁺	1.3
35 – 39	D	1.0
35 >	E	0.0

Grade Point Average (GPA) shall be calculated using the following formula and students shall have a SGPA based on their performance in the semester.

$$GPA = \frac{\sum C_i GPV_i}{\sum C_i}$$

Where, C_i is the number of credits for i^{th} course
 GPV_i is the grade point value obtained for the i^{th} course

- V. The student should repeat the courses with a E grade at the next earliest opportunity and the student can only obtain a maximum of C grade.
- VI. If the student has obtained C- or D grades for a course, he/she has the alternative to either repeat the course or keep the grade subject to fulfilling the minimum GPA requirement.
- VII. For Non-GPA compulsory courses, students should obtain a minimum grade of C- to pass the course. Students who fail to achieve a minimum grade of C- for a non-credit compulsory course

should repeat the examinations at the next earliest opportunity.

- VIII. Student should obtain a minimum grade of C- for Non-GPA compulsory courses in the examination conducted at the end of the orientation programme. The grades of Non-GPA courses shall not be considered in calculating GPA but shall appear in the transcript. Students who could not achieve a minimum grade of C- for the Non-GPA compulsory courses at the end of the orientation programme shall appear for the repeat examination.
- IX. Student shall register for optional/elective courses for the respective semester prior to the commencement of each semester. The course coordinators shall announce the elective/optional courses prior to the commencement of the semester.
- X. Minimum number of students registered shall be **three (03) and five (05)**, respectively for the **Second and Third** year in order to offer an elective course. A student can drop and add elective/optional courses within the first two weeks of the semester or within a prescribed period assigned by the Faculty after the commencement of the academic programme with the recommendation of the relevant course coordinators.
- XI. Elective/Optional courses of the third year programme should be targeted at the intended specialization area of the student. Out of the total number of elective credits taken in the third year, 50% shall be from the intended field of specialization.
- XII. Contents of the elective/optional courses shall be revised periodically as decided by relevant course coordinators and the departments of study. New elective/optional courses could be added to the curriculum and existing elective/optional courses could be removed from the curriculum as decided by the relevant department of study, recommended by the Faculty Board and approved by the Senate.
- XIII. A candidate shall attend and undertake quizzes, tests and assignments, etc. related to continuous evaluations and obtain not less than 35% of marks to be eligible to sit for the end-semester examination.
- XIV. Failure to fulfill specific requirements of a course as decided by a department of study shall disqualify a candidate from sitting for the end-

semester examination, but it shall be treated as an attempt. Such candidates shall repeat the entire course and shall be required to pay the examination fees as stipulated by the regulations.

4.4.6 Final year specialization programme

- I. Students in BSc Honours in Agricultural Recourse Management and Technology degree programmes shall select a field of specialization at the end of the Third Year Second Semester (3-2).
- II. Students shall apply for a field of specialization at the end of the 3-2 semester, based on their performance and preference.
- III. Only those students who have an GPA of 2.7 or more by the end of the Third Year First Semester (3-1) will be given the specialization field based on their preference. Other students shall be allocated by the Faculty Board among the departments of study based on the student's performances, their preferences and resources available in the Departments of Study for the specialization programme.
- IV. In the Fourth Year First Semester (4-1), students should study specialization courses offered by the respective Department of Study, all the compulsory common courses and elective courses as directed by the respective Department of Study, subject to the maximum credit limit per semester.
- V. To be eligible to follow the specialization programme of a respective Department of Study, the student has to fulfill the prerequisite of having a minimum number of course credits from the respective Department of Study. Out of the elective course credits offered in the third year of the degree programme, the student shall have completed 50% of the credits from the respective Department of Study in order to specialize in the relevant department.
- VI. In the Fourth Year Second Semester (4-2), students should undertake a Research Project in the selected specialization field as directed by the relevant Department of Study.

4.4.7 Guidelines for the calculation of final marks for courses in examinations

- I. A minimum of **35%** of the marks should be obtained for each component of the final examination to pass the examination.

- II. The theory component of an end-semester examination of a course may consist of multiple choice, structured and essay type questions. The relevant course coordinator and the department of study shall decide the composition of the examination as prescribed in the course structure and shall announce prior to the commencement of the semester.
- III. The practical and field work components of courses shall be assessed continuously, by an end-semester examination or by both methods depending on the course and the department of study.
- IV. Oral examinations, if any, for the courses conducted in the first, second and third years of a degree programme shall be a component of the continuous evaluations and shall be arranged by the course coordinator and the respective department of study.
- V. The course outline, class/laboratory/practical/field activities, assignments, etc. and weight of marks assigned to each component of the evaluation shall be announced to the students by the course coordinator and the department of study at the beginning of the course.

4.4.8 Restrictions for the period for completion of the degree

The maximum allowable time period to complete a BSc degree offered by the Faculty of Agriculture, University of Ruhuna is **Eight (08) Years** unless the student has obtained concessionary recommendation of the Faculty Board and approval of the Senate.

4.4.9 Fall-back option and credit transfer

A student who has not fulfilled all requirements of the programme to be awarded the degree, however, has completed a part of the degree programme, shall be considered to offer a certificate of completion of relevant courses after eight academic years from the date of the first registration on the recommendation of the Faculty Board and approval of the Senate.

4.4.10 Absentees at examinations

- i. A candidate who has been absent from a whole end-semester examination shall be treated as an attempt, unless a valid reason has been furnished by the candidate and accepted by the Faculty Board and the Senate. A candidate with an

accepted valid reason shall take the whole end-semester examination on the next immediate occasion and shall get grading for courses and the examination according to the schemes given in **Section 4 and 5**, respectively. If a candidate avoids taking the whole end-semester examination on the next immediate occasion without furnishing a valid reason, it shall be treated as an attempt.

- ii. If a candidate has sat only for a part of one or more course/s of an end-semester examination, it will be treated as a complete attempt for all prescribed courses in that examination, unless a valid reason has been furnished by the candidate and accepted by the Faculty Board and the Senate.
- iii. Absence of a candidate from an end-semester examination on account of bereavement in the family (death of a parent, brother or sister, and if married, spouse or child) will be excused if approval is obtained from the Faculty Board and the Senate subjected to submission of a death certificate and appropriate proof of relationship.
- iv. A candidate who is absent only for a part of an end-semester examination, shall take the complete courses of examination at the next attempt. If a candidate fails to sit for absent course/s on the next immediate occasion without furnishing a valid reason, it shall be treated as an attempt.
- v. All absentees at examinations due to medical reasons shall submit a medical certificate obtained from a person listed under **Section 14**. These medical certificates shall be endorsed by the University Medical Officer before being presented to the Faculty Board and the Senate for approval.
- vi. An end-semester examination, which involves different components, shall be taken at one occasion, except in the case of continuous evaluations. In the case of a repeat or absent candidate, marks obtained for continuous evaluations shall be counted in the succeeding end-semester examinations.

4.4.11 Scheme of awarding the degree

Subject to appropriate examination by-laws, a candidate who has completed all the requirements of the degree and fulfilled the proficiency requirements in English (minimum of Level I of the Proficiency in

English conducted by the University of Ruhuna) and satisfactory completion of the orientation programme is awarded **First Class Honours, Second Class Honours (Upper or Lower Division)**, or a **Pass** based on the **GPA** as follows:

GPA	Degree Awarded
$GPA \geq 3.70$	First Class Honours
$3.30 \leq GPA < 3.70$	Second Class Upper Division Honours
$3.00 \leq GPA < 3.30$	Second Class Lower Division Honours
$2.00 \leq GPA < 3.00$	Pass

To be awarded the degree, the student shall complete all the components of the degree programme including compulsory courses, elective courses, research project in the selected specialization and internship and shall also complete the minimum numbers of credit requirement with respect to the degree programme.

4.4.12 Effective Date of the Degree

- i. The Effective Date of the Degree shall be the date following the last day of the semester Examinations conducted by the Faculty in the relevant semester when the student fulfils the requirements to receive the Degree including the submission of the duly signed bounded copies of the final year research dissertation.
- ii. In case a student has ongoing inquiry for an examination or disciplinary offence conducted against him by the University, results of the relevant examination/s shall not be released until the inquiry is completed. In such situations, the effective date of the degree shall be determined by the Senate or the Council of the University of Ruhuna.

4.4.13 Academic Dishonesty

- i. Students are expected to act with full integrity in all academic endeavors: any use of words, formulae or ideas that are not one's own must be duly acknowledged. Providing or receiving any sort of unauthorized help on papers, examinations or other academic work is a violation of the University's policies on academic integrity.
- ii. The consequences of cheating, plagiarism, unauthorized collaboration and other forms of academic dishonesty shall be dealt with in

accordance with the examination rules and regulations of the University.

4.4.14 Medical certificates for failure to attend examinations

Students are requested to support the absence from course work or examinations due to an illness by a valid medical certificate conforming to the format of a medical certificate issued by a Government Hospital. Such medical certificate should be obtained from the following persons:

University Medical Officer
District Medical Officer
Consultant Specialist in the relevant field
Head of a Government Hospital
Medical Superintendent of a Provincial Ayurvedic Government Hospital
Ayurvedic Physician registered in the Ayurvedic Medical Council

Students who fall ill during sessions of examination time should contact the University Medical Officer at the University Health Center immediately. If a student falls sick at home or elsewhere during the session of an examination time he/she or his/her guardian should inform the Dean of the Faculty within seven days by telegram followed by a letter indicating the nature of the illness and the name of the attending doctor and other relevant information. Medical certificate supporting the illness of the student should be sent to the Dean of the Faculty.

4.4.15 Revision of Rules and Regulations

- I. Rules and Regulations may be revised or amended from time to time by the Senate with the approval of the Council when necessary.
- II. All other common Rules and Regulations applicable to the state Universities in Sri Lanka and to the University of Ruhuna in particular are also applicable to students registered for the Degree Programmes.
- III. In case of any ambiguity in the rules and regulations, the interpretation of the Faculty Board endorsed by the Senate with the approval of the Council shall be final.

General Conditions

This By Law and Regulations will be effective from the batch of students who admitted to the academic year 2020/2021. (2018/2019 intake)

4.4.16 Interpretations

- I. In these Regulations unless the context otherwise requires:
 - a. "University" means the University of Ruhuna, Sri Lanka as established by Gazette Notification No. 281/07 dated 24.01.1984
 - b. "Council" means the Council of the University of Ruhuna, constituted by Universities Act No.16 of 1978 and amendments thereof.
 - c. "Senate" means, the Senate of the University of Ruhuna, constituted by Universities Act No. 16 of 1978 and amendments thereof
 - d. "Faculty" means the Faculty of Agriculture, University of Ruhuna.
 - e. "Faculty Board" means the Faculty Board of the Faculty of Agriculture, University of Ruhuna.
 - f. "Dean" means the Dean of the Faculty of Agriculture, University of Ruhuna.
- II. Any question regarding the interpretation of this regulations shall be referred to the Council whose decisions thereon shall be final and conclusive.

**BSc Honours in Agribusiness
Management
(ABM)**

5. BSc Honours in Agribusiness Management

5.1 Objective of the programme

A BSc Honours in Agribusiness Management graduate should be armed with sound theoretical and practical knowledge in Agricultural Technology and Business Management skills as well as other essential skills to achieve the following programme objectives:

- Identifying and analyzing issues related to Agribusiness
- Finding acceptable solutions
- Engaging in the areas of research, management, academia and entrepreneurship
- Making agriculture a commercial venture
- An effective team leader/player with required skills in information technology and communication.

This is the first such undergraduate programme offered by a Sri Lankan university which commenced in the 2012/13 academic year blending agricultural knowledge with business management, entrepreneurial and marketing tools. The degree programme aims to provide an opportunity for students to acquire knowledge and skills of basic agricultural concepts, production of agricultural commodities, entrepreneurial abilities and business management tools. This degree programme is a four-year degree programme consisting of a research component in the final year. Many of the courses are synchronized with the other two parallel degree programmes.

A graduate in BSc Agribusiness Management will be a professional of art and science of crop and livestock production, technology and management with the developed attitudes and ethics to integrate biological and physical resources in an environmentally friendly, socially acceptable and economically feasible manner for the production of food, feed, fibre, renewable energy and other agricultural products for the betterment of mankind emphasizing the local, regional, national and international needs.

A graduate in BSc Honours in Agribusiness Management should be able to deal with all the aspects of the agricultural production systems commencing from land exploitation up to the formulation of finite products, research in production systems, agribusiness in production systems and related industries, and commercialization of traditional and modern agricultural systems. Graduates of BSc in Agribusiness Management, after their four-year career as an undergraduate, will be competent with theoretical knowledge, skills and attitudes in the fields of

agriculture, entrepreneurship and business management and other essentials as an entrepreneur and a researcher.

5.2 Graduate Profile

Graduates of BSc Honours in Agribusiness Management are expected to play significant and diverse roles in promoting agricultural production and facilitating agricultural and socio-economic development of the country. To be successful in this endeavour, the graduates produced by the degree programmes in Agribusiness Management should have the knowledge, skills and attitudes described in the profile given below:

The graduates should be,

- equipped with sound subject-specific knowledge on the principles and satisfactory skills in the practices of agriculture and business management,
- competent and innovative with appropriate managerial and entrepreneurial skills,
- Capable of fulfilling the manpower requirement of the nation in contributing towards sustainable and environmentally friendly, social and economic development.

5.3 Course Structure for the BSc Honours in Agribusiness Management

The programme has been designed parallel to the other degree programmes of the Faculty of Agriculture, University of Ruhuna. During the first two years, the majority of the courses are synchronized with other degree programmes. Students will be specialized in the field of Agribusiness Management during the second half of the degree programme.

Table 5.3.1 shows the credit allocations for each Department and component of the Study.

Table 5.3.1: The credit allocations for each Department and component of the study

Departments and components	Compulsory course credits
Agricultural Economics	52
Crop Science	12
Animal Science	8
Food Science & Technology	8
Agricultural Engineering	4
Agricultural Biology	3
Soil Science	3
Common Courses	10
Elective Credits (minimum)	16
Internship	3
Research Project	6
Total minimum credits required for the degree	125

The credit allocation for different semesters of the degree of BSc Honours in Agribusiness Management is shown in table 5.3.2. In the first year, the students follow the courses which are offered in other degree programmes except for two new courses. In the second year first semester and the second semesters, two and three new courses are offered respectively in each semester with the courses offered in the other degree programmes.

From the third year first semester, students can select elective courses from the other degree programmes in addition to compulsory courses to fulfil the minimum credit requirement. From the third year first semester, the number of compulsory courses will be reduced to give freedom to select elective courses from other disciplines. However, students will be directed by the Academic Counselors in selecting elective courses. Names of the courses with the respective credit numbers and time allocations are given in Table 5.3.3

Table 5.3.2 Credit allocation for semesters

Year	Semester	Required Numbers of Credits			Total
		Compulsory	Elective	Non-GPA	
1	I	15		2	15
	II	18		3	18
2	I	15	2-6		17-21
	II	16	2-6		18-22
3	I	12	4-8		16-20
	II	12	4-8		16-20
4	I	12			12
	II	09			09
		109	16	5	125

Table 5.3.3 Courses offered in the degree of BSc Honours in Agribusiness Management

Year and Semester	Courses offered	Number of Credits
Orientation	Preliminary/Foundation courses	
	CC10001 General English	
	CC10002 Computer Awareness	
	CC10003 Basic Mathematics	
	CC10004 Basic Statistics	
	CC10005 Career Development and Active Citizen	
1-I	Compulsory courses	
	AS11201 Anatomy and Physiology of Farm Animals	2
	BL11301 Plant Physiology and Systematics	3
	CC11201 Information and Communication Technology in Agriculture	2
	CS11201 Principles of Agronomy	2
	EC11201 Micro Economics	2
	EC11202 Economic Statistics	2
	FS11201 Biochemistry	2
	Compulsory non-GPA courses	
	CC11202 English I	2 (Non-GPA)
1-II	Compulsory courses	
	AS12301 Animal Nutrition, Forage & Feed Technology	3
	CS12201 Agroforestry and Silviculture	2
	EC12201 Macro Economics	2
	EC12202 Principles of Business Management	2
	EC12203 Marketing Management	2
	EN12201 Agricultural Machinery Engineering	2
	FS12201 Food Chemistry	2
	SS12301 Fundamentals of Soil Science	3
	Compulsory non-GPA courses	
	CC12101 Basic Technical Writing	1 (Non-GPA)
	CC12202 English II	2 (Non-GPA)
2-I	Compulsory courses	
	AS21102 Animal Products Technology	1
	CS21201 Agroecology	2
	EC21201 Agricultural Marketing	2
	EC21202 Book Keeping & Accountancy	2
	EC21204 Natural Resource Economics	2
	EC21205 Consumer Behavior	2
	EN21201 Bioprocessing and Post-harvest Engineering	2
	FS21201 Food and Nutrition	2
	Elective courses	
	Elective courses can be selected from the second year first semester compulsory courses or elective courses of the other two degree programmes under the guidance of academic counselor.	
2-II	Compulsory courses	
	AS22201 Aquaculture and Non-ruminant Management	2
	CS22201 Management of Spices and Beverage Crops	2

CS22202	Fruit Crop Management	2
EC22201	Farm Business Management	2
EC22202	Communication and diffusion of Innovation	2
EC22203	Human Resource Management	2
EC22204	Managerial Economics and Customer Relationship Management	2
EC22205	Strategic Management	2

3-I**Compulsory courses**

CS31201	Plantation Crop Management and Training	2
EC31201	Social Science Research Methods	2
EC31203	International Trade & Marketing	2
EC31204	Innovation and Knowledge Management	2
EC31206	Organizational Behavior	2
FS31201	Food Preservation and Processing	2

Elective courses

Elective courses can be selected either from second year first semester or third year first semester compulsory courses or elective courses of the other two degree programmes under the guidance of academic counsellors.

3-II**Compulsory courses**

CC32201	Applied Statistics I	2
EC32201	Extension Education	2
EC32202	Project Management	2
EC32204	Entrepreneurship	2
EC32206	Business Start-ups	2
EC32207	Financial Management	2

Elective courses

Elective courses can be selected either from second year second semester or third year second semester compulsory courses or elective courses of the other two degree programmes under the guidance of academic counsellors.

4-I**Compulsory courses**

CC41201	Technical Writing and Communication Skills	2
CC41202	Applied Statistics II	2
CC41203	Professional Development	2
EC41201	Natural Resource Management	2
EC41202	Agricultural Policy Analysis	2
EC41203	Econometrics	2

4-II

EC42601	Research project	6 (24 Weeks)
CC42301	Internship	3 (16 Weeks)

One credit is equal to 50 hours of total volume of learning (notional hours). In order to fulfill the notional hour requirement, students may attend self-studies, field work, homework, etc. in addition to in class sessions and practical classes.

5.4 Examination Regulations for the BSc Honours in Agribusiness Management

These Regulations may be cited as the University of Ruhuna, Sri Lanka, Regulations No. 01.11.2021 for the Degrees of Bachelor of the Science in Agribusiness Management shall come into effect on 01.08.2021.

5.4.1 Admission Requirements.

- i. A student selected for admission to the Bachelor's Degree Programmes in the Faculty of Agriculture
 - a. must satisfy the general University admission requirements for Faculties of Agriculture laid down by the University Grants Commission, Sri Lanka.
 - b. must have been selected, according to the stipulated University Admission Criteria.
- ii. Applicants with foreign qualifications referred for admission by the University Grants Commission shall be admitted only with the consent of the Faculty Board.
- iii. A maximum of five students shall be admitted to the BSc Agribusiness Management degree programme from the agribusiness sector subject to fulfilling the admission criteria approved by the Senate. The candidates shall pass a written qualifying examination and the oral examination/interview conducted by the Faculty of Agriculture.

5.4.2 Registration for the Degree Programme

A student admitted to the Faculty shall register as a fulltime student. A student shall pay a fee prescribed by the University and maintain registration during the period of study.

5.4.3 Registration for Semesters and Course Units

- i. A student selected for admission shall register to follow the Degree Programme. Such registration shall be carried out as prescribed by the Senate.
- ii. Registration for semesters of a Degree programme shall be determined in accordance with the regulations laid down by the Senate.
- iii. Students shall register for all required course modules for each semester prescribed by the Faculty. Students, who fail to register for any

course module shall be considered as a repeat student unless he/she has been given an academic exemption by the Senate.

- iv. A candidate admitted to a Degree Programme shall not be permitted to concurrent registration for any other fulltime course of study.

5.4.4 Course Structure

- i. The Programme of study leading to the degree BSc Agribusiness Management shall be a fulltime course, consisting of eight academic semesters organized over a duration of four academic years.
- ii. The official academic calendar of dates approved by the Senate on the recommendation of the Faculty Board shall be announced prior to the commencement of each academic year.
- iii. The curriculum shall be announced by the Faculty at the commencement of the degree programme.
- iv. Each course module shall be assigned a credit value that indicates the student's workload associated with class attendance and preparation.
- v. There shall be a coordinator for each course module appointed by the respective Head of the Department/the Dean of the Faculty. The module coordinator shall prepare the respective course module including details of distribution of theory, practical and field works, notional hours, teaching-learning methods and assessment methods as per the format approved by the Faculty.
- vi. Course Structure of the BSc in Agribusiness Management Honours Degree programme. (SLQF Level - 6) is as follows;

Orientation Programme Non-GPA Courses

CC 10001: General English
 CC 10002: Computer Awareness
 CC10003: Basic Mathematics
 CC 10004: Basic Statistics
 CC 10005: Career Development and Active Citizen

Credit Courses

Component	Credits
Compulsory Courses	100
Minimum requirement of Elective/Optional Courses	16
Research Project	06
Internship Training	03
Total number of credits	125

5.4.5 Evaluation and Grading

Evaluation procedure

Courses offered BSc in Agribusiness Management degree programme shall be evaluated on the basis of different components as tabulated below. Limits of marks to be allocated for each component are given in Table 5.4.5.1 and Table 5.4.5.2.

Table 5.4.5.1: Limits of marks for the evaluation of courses

Component	Marks
End Semester Theory Examinations	50% - 80%
Continuous Evaluations (evaluation of practical work, assignments, class participation, seminars/presentations, oral tests, quizzes, etc.)	20% - 50%
End Semester Practical Examinations	00% - 30%
Total	100%

Table 5.4.5.2: Limits of marks for the evaluation of courses based on practical/field work

Component	Marks
End Semester Examinations	20% - 80%
Continuous Evaluations (evaluation of practical/field work, assignments, seminars/presentations, oral tests, quizzes, etc.)	20% - 80%
Total	100%

- i. End semester examination is compulsory for each course and should be conducted according to a prescribed timetable. In addition to the end semester examination, evaluation of each course shall contain at least one other component. Students should obtain a minimum of 35 % each for theory and practical components in the end semester examination to pass the examination.
- ii. The final year research project shall be evaluated on the basis of proposal presentation, supervisors' evaluation reports, final presentation and the draft final report. Limits of the marks for each component are given in Table

5.4.5.3. The results of the research project shall be finalized after completion of all the components.

Table 5.4.5.3: Limits of marks for the evaluation of the research project

Component	Marks
Proposal presentation	10% - 15%
Supervisors' evaluation reports, laboratory/field evaluations, etc.	25% - 40%
Final Presentation/oral examination	30% - 40%
Evaluation of the final draft report	20% - 30%
Total	100%

- iii. Internship component of the degree programmes shall be evaluated on the basis of attendance, supervisors' reports, progress report/log books, final presentation and the report submitted by the candidate.
- iv. The coordinator of a course shall be a member of the academic staff of seniority not less than that of a Senior Lecturer Grade II. Course coordinators and the teaching panel for each course should be appointed by the Faculty Board before the commencement of the academic semester subject to approval by the Senate. Scheme of evaluation of each course of the semester should be recommended by the Faculty Board and approved by the Senate and shall be announced at the beginning of the semester by the relevant course coordinator.

Component	Marks
End Semester Examinations	20% - 80%
Continuous Evaluations (evaluation of practical/field work, assignments, seminars/presentations, oral tests, quizzes, etc.)	20% - 80%
Total	100%

- v. Grades and Grade Point Values shall be assigned for each course according to the overall marks obtained for all components of the course. Marks with respective grades and Grade Point Values are shown in Table 5.4.5.4.

Table 5.4.5.4: Scheme of grading and Grade Point Values

Marks (%) (Out of 100)	Grade	Grade Point Value
≥ 85	A ⁺	4.0
80 – 84	A	4.0
75 – 79	A ⁻	3.7
70 – 74	B ⁺	3.3
65 – 69	B	3.0
60 – 64	B ⁻	2.7
55 – 59	C ⁺	2.3
50 – 54	C	2.0
45 – 49	C ⁻	1.7
40 – 44	D ⁺	1.3
35 – 39	D	1.0
35 >	E	0.0

- vi. Grade Point Average (GPA) shall be calculated using the following formula and students shall have a SGPA (Semester Grade Point Average) based on their performance in each semester.

$$GPA = \frac{\sum C_i GPV_i}{\sum C_i}$$

Where, C_i is the number of credits for i^{th} course
 GPV_i is the Grade Point Value obtained for the i^{th} course

- vii. The student should repeat the courses with a E grade at the next earliest opportunity. The student can only obtain a maximum grade of C after repeating a course.
- viii. If the student has obtained grades **C-** or **D** for a course, he/she has the alternative to either repeat the course or keep the grade subject to fulfilling the minimum GPA requirement.
- ix. For Non-GPA compulsory courses, students should obtain a minimum grade of C- to pass the course. Students who fail to achieve a minimum grade of C- for a Non-GPA compulsory course should repeat the examinations at the next earliest opportunity.
- x. Student should obtain a minimum grade of **C-** for Non-GPA compulsory courses in the examination conducted at the end of the orientation

programme. The grades of Non-GPA courses shall not be considered in calculating GPA but shall appear in the transcript. Students who could not achieve a minimum grade of C- for the Non-GPA compulsory courses at the end of the orientation programme shall appear for the repeat examination.

- xi. Student shall register for elective/optional courses for the respective semester prior to the commencement of each semester. The course coordinators shall announce the elective courses prior to the commencement of the semester.
- xii. Minimum number of students registered shall be **three (03)** and **five (05)**, respectively for the **Second** and **Third** year in order to offer an elective/optional course. A student can drop and add elective/optional course within the first two weeks of the semester or within a prescribed period assigned by the Faculty after the commencement of the academic programme with the recommendation of the relevant course coordinator.
- xiii. Elective/Optional courses of the third year programme should be targeted at the intended specialization area of the student. Out of the total number of elective/optional credits taken in the third year, 50% shall be from the intended field of specialization.
- xiv. Contents of the elective courses shall be revised periodically as decided by relevant course coordinators and the departments of study. New elective courses could be added to the curriculum and existing elective courses could be removed from the curriculum as decided by the relevant department of study, recommended by the Faculty Board and approved by the Senate.
- xv. A candidate shall attend and undertake quizzes, tests and assignments, etc. related to continuous evaluations and obtain not less than 35% of marks to be eligible to sit for the end-semester examination.
- xvi. Failure to fulfill specific requirements of a course as decided by a department of study shall disqualify a candidate from sitting for the end-semester examination, but it shall be treated as an attempt. Such candidate/s shall repeat the entire course and shall be required to pay the examination fees as stipulated by the regulations.

5.4.6 Final year specialization programme

- i. Students in BSc in Agribusiness Management degree programmes shall select a field of specialization at the end of the Third Year Second Semester (3-2).
- ii. Students shall apply for a field of specialization at the end of the 3-2 semester, based on their performance and preference.
- iii. Only those students who have a GPA of 2.7 or more by the end of the Third Year First Semester (3-1) will be given the specialization field based on their preference. Other students shall be allocated by the Faculty Board among the departments of study based on the student's performances, their preferences and resources available in the Departments of Study for the specialization programme.
- iv. In the Fourth Year First Semester (4-1), students should study specialization courses offered by the respective Department of Study, all the compulsory common courses and elective courses as directed by the respective Department of Study, subject to the maximum credit limit per semester.
- v. To be eligible to follow the specialization programme of a respective Department of Study, the student has to fulfill the prerequisite of having a minimum number of course credits from the respective Department of Study. Out of the elective course credits offered in the third year of the degree programme, the student shall have completed 50% of the credits from the respective Department of Study in order to specialize in the relevant department.
- vi. In the Fourth Year Second Semester (4-2), students should undertake a Research Project in the selected specialization field as directed by the relevant Department of Study.

5.4.7 Guidelines for the calculation of final marks for courses in examinations

- i. A minimum of **35%** of the marks should be obtained for each component of the final examination to pass the examination.
- ii. The theory component of an end-semester examination of a course may consist of multiple choice, structured and essay type questions. The relevant course coordinator and the department of study shall decide the composition of the examination as prescribed in the course structure

and shall announce prior to the commencement of the semester.

- iii. The practical and field work components of courses shall be assessed continuously, by an end-semester examination or by both methods depending on the course and the department of study.
- iv. Oral examinations, if any, for the courses conducted in the first, second and third years of a degree programme shall be a component of the continuous evaluations and shall be arranged by the course coordinator and the respective department of study.
- v. The course outline, class/laboratory/practical/field activities, assignments, etc. and weight of marks assigned to each component of the evaluation shall be announced to the students by the course coordinator and the department of study at the beginning of the course.

5.4.8 Restrictions for the period for completion of the degree

The maximum allowable time period to complete a BSc degree offered by the Faculty of Agriculture, University of Ruhuna is **Eight (08) Years** unless the student has obtained concessionary recommendation of the Faculty Board and approval of the Senate.

5.4.9 Fall-back option and credit transfer

A student who has not fulfilled all requirements of the programme to be awarded the degree, however, has completed a part of the degree programme, shall be considered to offer a certificate of completion of relevant courses after eight academic years from the date of the first registration on the recommendation of the Faculty Board and approval of the Senate.

5.4.10 Absentees at examinations

- i. A candidate who has been absent from a whole end-semester examination shall be treated as an attempt, unless a valid reason has been furnished by the candidate and accepted by the Faculty Board and the Senate. A candidate with an accepted valid reason shall take the whole end-semester examination on the next immediate occasion and shall get grading for courses and the examination according to the schemes given in **Section 4 and 5**, respectively. If a candidate avoids taking the whole end-semester

examination on the next immediate occasion without furnishing a valid reason, it shall be treated as an attempt.

- ii. If a candidate has sat only for a part of one or more course/s of an end-semester examination, it will be treated as a complete attempt for all prescribed courses in that examination, unless a valid reason has been furnished by the candidate and accepted by the Faculty Board and the Senate.
- iii. Absence of a candidate from an end-semester examination on account of bereavement in the family (death of a parent, brother or sister, and if married, spouse or child) will be excused if approval is obtained from the Faculty Board and the Senate subjected to submission of a death certificate and appropriate proof of relationship.
- iv. A candidate who is absent only for a part of an end-semester examination, shall take the complete course at the next attempt of the examination. If a candidate fails to sit for absent course/s on the next immediate occasion without furnishing a valid reason, it shall be treated as an attempt.
- v. All absentees at examinations due to medical reasons shall submit a medical certificate obtained from a person listed under **Section 14**. These medical certificates shall be endorsed by the University Medical Officer before being presented to the Faculty Board and the Senate for approval.
- vi. An end-semester examination, which involves different components, shall be taken at one occasion, except in the case of continuous evaluations. In the case of a repeat or absent candidate, marks obtained for continuous evaluations shall be counted in the succeeding end-semester examinations.

5.4.11 Scheme of awarding the degree

Subject to appropriate examination by-laws, a candidate who has completed all the requirements of the degree and fulfilled the proficiency requirements in English (minimum of Level I of the Proficiency in English conducted by the University of Ruhuna) and satisfactory completion of the orientation programme is awarded **First Class Honours, Second Class Honours (Upper or Lower Division)**, or a **Pass** based on the **GPA** as follows:

GPA	Degree Awarded
$GPA \geq 3.70$	First Class Honours
$3.30 \leq GPA < 3.70$	Second Class Upper Division Honours
$3.00 \leq GPA < 3.30$	Second Class Lower Division Honours
$2.00 \leq GPA < 3.00$	Pass

To be awarded the degree, the student shall complete all the components of the degree programme including compulsory courses, elective courses, research project in the selected specialization and internship and shall also complete the minimum numbers of credit requirement with respect to the degree programme.

5.4.12 Effective Date of the Degree

- i. The Effective Date of the Degree shall be the date following the last day of the semester Examinations conducted by the Faculty in the relevant semester when the student fulfils the requirements to receive the Degree including the submission of the duly signed bounded copies of the final year research dissertation.
- ii. In case a student has on going inquiry for an examination or disciplinary offence conducted against him by the University, results of the relevant examination/s shall not be released until the inquiry is completed. In such situations, the effective date of the degree shall be determined by the Senate or the Council of the University of Ruhuna.

5.4.13 Academic Dishonesty

- i. Students are expected to act with full integrity in all academic endeavors: any use of words, formulae or ideas that are not one's own must be duly acknowledged. Providing or receiving any sort of unauthorized help on papers, examinations or other academic work is a violation of the University's policies on academic integrity.
- ii. The consequences of cheating, plagiarism, unauthorized collaboration and other forms of academic dishonesty shall be dealt with in accordance with the examination rules and regulations of the University.

5.4.14 Medical certificates for failure to attend examinations

Students are requested to support the absence from course work or examinations due to an illness by a valid medical certificate conforming to the format of a medical certificate issued by a Government Hospital. Such medical certificate should be obtained from the following persons:

University Medical Officer
 District Medical Officer
 Consultant Specialist in the relevant field
 Head of a Government Hospital
 Medical Superintendent of a Provincial Ayurvedic Government Hospital
 Ayurvedic Physician registered in the Ayurvedic Medical Council

Students who fall ill during sessions of examination time should contact the University Medical Officer at the University Health Center immediately. If a student falls sick at home or elsewhere during the session of an examination time he/she or his/her guardian should inform the Dean of the Faculty within seven days by telegram followed by a letter indicating the nature of the illness and the name of the attending doctor and other relevant information. Medical certificate supporting the illness of the student should be sent to the Dean of the Faculty.

5.4.15 Revision of Rules and Regulations

- i. Rules and Regulations may be revised or amended from time to time by the Senate with the approval of the Council when necessary.
- ii. All other common Rules and Regulations applicable to the state Universities in Sri Lanka and to the University of Ruhuna in particular are also applicable to students registered for the Degree Programmes.
- iii. In case of any ambiguity in the rules and regulations, the interpretation of the Faculty Board endorsed by the Senate with the approval of the Council shall be final.

General Conditions

This and Regulations will be effective from the batch of students who admitted to the academic year 2020/2021. (2018/2019 intake)

5.4.16 Interpretations

- i. In these Regulations unless the context otherwise requires:

“University” means the University of Ruhuna, Sri Lanka as established by Gazette Notification No. 281/07 dated 24.01.1984

“Council” means the Council of the University of Ruhuna, constituted by Universities Act No.16 of 1978 and amendments thereof.

“Senate” means, the Senate of the University of Ruhuna, constituted by Universities Act No. 16 of 1978 and amendments thereof

“Faculty of Agriculture” or “Faculty” means the Faculty of Agriculture, University of Ruhuna.

“Faculty Board” means the Faculty Board of the Faculty of Agriculture, University of Ruhuna.

“Dean” means the Dean of the Faculty of Agriculture, University of Ruhuna.

- ii. Any question regarding the interpretation of this regulations shall be referred to the Council whose decisions thereon shall be final and conclusive.

BSc Honours in Green Technology

(GT)

6. BSc Honours in Green Technology

6.1 Objectives

The objective of this degree programme is to produce BSc graduates combining technical and scientific skills with an understanding of the environment, renewable energy management, waste utilization, resource management and land-based industries who can contribute to national and global development.

6.2 Graduate Profile

A graduate of BSc Honours in Green Technology should be a professional for rural development, small-scale renewable power generation, sustainable production of crops for energy, raw materials for industry, and infrastructure development with the integration of sustainable concepts in a multidisciplinary approach to environmentally sensitive production with resource optimization by maintaining environmental quality standards.

The graduates should be,

- Demonstrate a mastery of the fundamental knowledge and skills required for functioning effectively as an entry-level professional in the field, and an ability to integrate and apply them effectively to practice in the workplace.
- Possess the intellectual flexibility necessary to view environmental questions from multiple perspectives, prepared to alter their understanding as they learn new ways of understanding.
- Assess necessary scientific concepts and data, consider likely social dynamics, and establish integral cultural contexts when encountering environmental problems.
- Challenge existing knowledge boundaries and design novel solutions to problems with experiments and new approaches.
- Identify, define, and deal with problems pertinent to their future professional practice or daily life through logical, analytical and critical thinking.
- Communicate effectively (both orally and in writing) with a wide range of audiences, across a range of professional and personal contexts, in English.
- Identify own learning needs for professional or personal development; demonstrate an eagerness to take up opportunities for learning new things as well as the ability to learn effectively on their own.
- Function effectively both as a leader and as a member of a team; motivate and lead a team to work towards a goal; work collaboratively with other team members; as well as connect and interact effectively with other people.

- Demonstrate interests and abilities in discovering and exploiting opportunities, taking prudent risks, and trying out novel ideas or methods.
- Demonstrate an awareness and understanding of global issues and happenings outside Sri Lanka, a willingness to take part in international experiences, as well as an ability to work/interact effectively with people from different parts of the world.
- Exhibit interests, and participate in, cultural activities, and show sensitivity to cultural diversity.
- Prove an awareness of their social and national responsibility; engage in activities that contribute to the betterment of the society; and behave ethically and responsibly in social, professional and work environments.

6.3 Course Structure for the BSc Honours in Green Technology

Table 6.3.1 shows the credit allocation of the degree for each department and the component of the study. Credit allocation for different years and semesters are shown in table 6.3.2. The total number of credits required for the BSc Honours in Green Technology is 125. Names of the courses with the respective credit numbers and time allocations are given in table 6.3.3.

Table 6.3.1: The credit allocations for each Department and component of the study

Departments and components	Compulsory course credits
Agricultural Engineering	63
Agricultural Economics	12
Crop Science	6
Soil Science	5
Agricultural Biology	4
Animal Science	2
Food Science & Technology	2
Common Courses	8
Elective Credits (minimum)	14
Internship	3
Research Project	6
Total minimum credits required for the degree	125

Table 6.3.2 Credit allocation for semesters

Year	Semester	Required Numbers of Credits			Total
		Compulsory	Elective	NGPA	
1	I	15		2	15
	II	15		3	15
2	I	16	Min 2		18+
	II	16	Min 2		18+
3	I	14	Min 4		18+
	II	14	Min 4		18+
4	I	12			12
	II	09			09
		109	14	5	125

Table 6.3.3 Courses offered in the degree of BSc Honours in Green Technology

Year and Semester	Courses offered	Number of Credits
Orientation	Elementary/Fundamental Courses	
	CC10001 General English	
	CC10002 Computer Awareness	
	CC10003 Basic Mathematics	
	CC10004 Basic Statistics	
	CC10005 Career Development and Active Citizen	
1-I	Compulsory courses	
	CC11203 Information and Communication Technology	2
	CS11201 Principles of Agronomy	2
	EC11203 Economic Principles	2
	EN11201 Hydrology and Climatology	2
	EN11302 Environmental Pollution, Toxicology and Remediation	3
	EN11203 Natural and Cultural Heritage Conservation	2
	EN11204 Environmental Law & Policy	2
	Compulsory non-GPA courses	
	CC11202 English I	2 (Non-GPA)
1-II	Compulsory courses	
	BL12202 Biodiversity Conservation	2
	BL12203 Environmental Biotechnology	2
	EN12202 Environmental Footprints	2
	EN12203 Renewable Energy Systems I	2
	EN12204 Climate Change Adaptation and Mitigation	2
	EN12205 Green Chemistry	2
	SS12301 Fundamentals of Soil Science	3
	Compulsory non-GPA courses	
	CC12101 Basic Technical Writing	1 (Non-GPA)
	CC12202 English II	2 (Non-GPA)
2-I	Compulsory courses	
	CS21201 Agroecology	2
	EC21206 Environmental Economics	2
	EN21202 Ergonomics	2
	EN21205 Machinery Principles and Power Units	2
	EN21206 Life Cycle Assessment	2
	EN21207 Renewable Energy Systems II	2
	EN21208 Productivity and Quality Management	2
	EN21209 Energy Audit and Energy Asset Management	2
	Elective courses	
	CS21204 Commercial Nursery Management	2
	CS21205 Urban Agriculture and Food Security	2
	EN21204 Wood Engineering Technology	2

EN21210	Spirituality and relaxation Techniques for Personality Development	2
FS21203	Food Toxicology	2
SS21202	Wetland Resources Management and Conservation	2

2-II**Compulsory courses**

AS22204	Sustainable Livestock Production Systems	2
CS22206	Landscaping and Green Interior Design	2
EN22201	GIS and Remote Sensing	2
EN22202	Precision Agricultural Technology	2
EN22205	Waste Water & Water Treatment Technologies	2
EN22206	Sustainable Solid Waste Management	2
EN22207	Industrial Resource Management and Cleaner Production	2
SS22204	Soil Biophysicochemical Dynamics and Contaminants	2

Elective courses

EC22203	Human Resource Management	2
EN22203	Agriculture Systems Design and Construction	2
EN22204	Survey and Levelling	2
EN22208	Integrated Water Resource Management	2
SS22201	Soil Microbiology	2

3-I**Compulsory courses**

EC31207	Business Management and Entrepreneurship	2
EC31208	Eco-tourism	2
EN31201	Irrigation and Water Resources Engineering	2
EN31206	Sustainable Post Harvest Technology	2
EN31207	Environmental Monitoring and Modelling	2
EN31208	Green Infrastructure and Smart Cities	2
FS31204	Functional Foods and Nutraceuticals	2

Elective courses

CC31201	Database Management Systems	2
CC31202	Smart Farming Techniques and its Applications	2
CS31203	Plant Tissue Culture	2
CS31205	Organic Agriculture	2
EC31204	Innovation and Knowledge Management	2
EN31202	Designing and Installation of Micro Irrigation Systems	2
EN31203	Technical Instrumentation and Device Development	2
EN31209	Business Models in Resource Recovery from Waste	2
SS31201	Land Resource Management	2
SS31202	Tools for Environmental Studies	2

3-II**Compulsory courses**

CC32201	Applied Statistics I	2
EC32202	Project Management	2
EC32208	Environmental Impact Assessment	2
EN32206	Disaster Management and Resilience	2
EN32207	Product Design and Development Protocols	2
EN32208	Analytical Techniques and Green Solutions	2

EN32209 Coastal and Marine Resource Management 2

Elective courses

CC32202	Programming Concepts and Computer Programming	2
CC32203	Data Science in Agriculture and its Applications	2
CS32102	Protected Agriculture	1
EC32209	Logistics Management and Professional Communication	2
EN32203	Engineering Solutions for Controlled Environment in Agriculture	2
EN32204	Training in Agricultural Machineries	2
EN32205	Engineering Drawing	2
EN32210	Ecological Sanitation	2
EN32211	Climate Change at Urban and Peri- Urban Scale in Tropics (MOOC)	2
SS32203	Land Use and Environmental Quality	2

4-I

Compulsory courses

CC41202	Applied Statistics II	2
CC41203	Professional Development	2
EN41205	Research Methodology and Scientific Writing	2
EN41206	Process Automation and Smart Control	2
EN41207	Case Studies in Environmental Technology	2
EN41208	Green Behavior and Sustainable Consumption Simulation	2

4-II

EN42601	Research Study	6 (24 Weeks)
CC42301	Internship	3 (16 Weeks)

One credit is equal to 50 hours of total volume of learning (notional hours). In order to fulfill the notional hour requirement, students may attend self-studies, field work, homework *etc.* in addition to in class sessions and practical classes.

6.4 Examination Regulations for the BSc Honours in Green Technology

These Regulations may be cited as the University of Ruhuna, Sri Lanka, Regulations No. 01.12.2021 for the Degrees of Bachelor of the Science Honours in Green Technology will come into effect on 01.08.2021.

6.4.1 Admission Requirements.

- i. A student selected for admission to the Bachelor's Degree Programmes in the Faculty of Agriculture
 - a. must satisfy the general University admission requirements for Faculties of Agriculture laid down by the University Grants Commission, Sri Lanka.
 - b. must have been selected, according to the stipulated University Admission Criteria.
- ii. Applicants with foreign qualifications referred for admission by the University Grants Commission shall be admitted only with the consent of the Faculty Board.

6.4.2 Registration for the Degree Programme

A student admitted to the Faculty shall register as a fulltime student. A student shall pay a fee prescribed by the University and maintain registration during the period of study.

6.4.3 Registration for Semesters and Course Units

- i. A student selected for admission shall register to follow the Degree Programme. Such registration shall be carried out as prescribed by the Senate.
- ii. Registration for semesters of a Degree programme shall be determined in accordance with the regulations laid down by the Senate.
- iii. Students shall register for all required course modules for each semester prescribed by the Faculty. Students, who fail to register for any course module shall be considered as a repeat student unless he/she has been given an academic exemption by the Senate.
- iv. A student admitted to a Degree Programme shall not be permitted to concurrent registration for any other fulltime course of study.

6.4.4 Course Structure

- i. The Programme of study leading to the degree BSc Green Technology shall be a fulltime course, consisting of eight academic semesters organized over a duration of four academic years.
- ii. The official academic calendar of dates approved by the Senate on the recommendation of the Faculty Board shall be announced prior to the commencement of each academic year.
- iii. The curriculum shall be announced by the Faculty at the commencement of the degree programme.
- iv. Each course module shall be assigned a credit value that indicates the student's workload associated with class attendance and preparation.
- v. There shall be a coordinator for each course module appointed by the respective Head of the Department/the Dean of the Faculty. The module coordinator shall prepare the respective course module including details of distribution of theory, practical and field works, notional hours, teaching-learning methods and assessment methods as per the format approved by the Faculty.

Course Structure of the BSc Honours in Green Technology Degree programme. (SLQF Level - 6)

Orientation Programme Non-GPA Courses

CC 10001: General English

CC 10002: Computer Awareness

CC10003: Basic Mathematics

CC 10004: Basic Statistics

CC 10005: Career Development and Active Citizen

Credit Courses

Component	Credits
Compulsory Courses	102
Minimum requirement of Elective/Optional Courses	14
Research Project	06
Internship Training	03
Total number of credits	125

6.4.5 Evaluation and Grading

Evaluation procedure-Courses offered BSc in Green Technology degree programme shall be evaluated on the basis of different components as tabulated below. Limits of marks to be allocated for each component are given in Table 6.4.5.1 and Table 6.4.5.2.

Table 6.4.5.1.: Limits of marks for the evaluation of courses

Component	Marks
End Semester Theory Examinations	50% - 80%
Continuous Evaluations (evaluation of practical work, assignments, class participation, seminars/presentations, oral tests, quizzes, etc.)	20% - 50%
End Semester Practical Examinations	00% - 30%
Total	100%

Table 6.4.5.2: Limits of marks for the evaluation of courses based on practical/field work

Component	Marks
End Semester Examinations	20% - 80%
Continuous Evaluations (evaluation of practical/field work, assignments, seminars/presentations, oral tests, quizzes, etc.)	20% - 80%
Total	100%

- i. End semester examination is compulsory for each course and should be conducted according to a prescribed timetable. In addition to the end semester examination, evaluation of each course shall contain at least one other component. Students should obtain a minimum of 35 % each for theory and practical components in the end semester examination to pass the examination.
- ii. The final year research project shall be evaluated on the basis of proposal presentation, supervisors' evaluation reports, final presentation and the draft final report. Limits of the marks for each component are given in Table 6.4.5.3. The results of the research project shall be finalized after completion of all the components.

Table 6.4.5.3: Limits of marks for the evaluation of the research project

Component	Marks
Proposal presentation	10% - 15%
Supervisors' evaluation reports, laboratory/field evaluations, etc.	25% - 40%
Final Presentation/oral examination	30% - 40%
Evaluation of the final draft report	20% - 30%
Total	100%

- iii. Internship component of the degree programmes shall be evaluated on the basis of attendance, supervisors' reports, progress report/log books, final presentation and the report submitted by the candidate.
- iv. The coordinator of a course shall be a member of the academic staff of seniority not less than that of a Senior Lecturer Grade II. Course coordinators and the teaching panel for each course should be appointed by the Faculty Board before the commencement of the academic semester subject to approval by the Senate. Scheme of evaluation of each course of the semester should be recommended by the Faculty Board and approved by the Senate and shall be announced at the beginning of the semester by the relevant course coordinator.
- v. Grades and Grade Point Values shall be assigned for each course according to the overall marks obtained for all components of the course. Marks with respective grades and grade points are shown in Table 6.4.5.4.

Table 6.4.5.4: Scheme of Grading and Grade Point Values

Marks (%) (Out of 100)	Grade	Grade Point Value
≥ 85	A ⁺	4.0
80 – 84	A	4.0
75 – 79	A ⁻	3.7
70 – 74	B ⁺	3.3
65 – 69	B	3.0

60 – 64	B ⁻	2.7
55 – 59	C ⁺	2.3
50 – 54	C	2.0
45 – 49	C ⁻	1.7
40 – 44	D ⁺	1.3
35 – 39	D	1.0
35 >	E	0.0

- vi. Grade Point Average (GPA) shall be calculated using the following formula and students shall have a SGPA based on their performance in the semester.

$$GPA = \frac{\sum C_i GPV_i}{\sum C_i}$$

Where, C_i is the number of credits for i^{th} course
 GPV_i is the grade point value obtained for the i^{th} course

- vii. The student should repeat the courses with a E grade at the next earliest opportunity and the student can only obtain a maximum of C grade.
- viii. If the student has obtained **C-** or **D** grades for a course, he/she has the alternative to either repeat the course or keep the grade subject to fulfilling the minimum GPA requirement.
- ix. For Non-GPA compulsory courses, students should obtain a minimum grade of C- to pass the course. Students who fail to achieve a minimum grade of C- for a Non-GPA compulsory course should repeat the examinations at the next earliest opportunity.
- x. Student should obtain a minimum grade of **C-** for Non-GPA compulsory courses in the examination conducted at the end of the orientation programme. The grades of Non-GPA courses shall not be considered in calculating GPA but shall appear in the transcript. Students who could not achieve a minimum grade of C- for the Non-GPA compulsory courses at the end of the orientation programme shall appear for the repeat examination.
- xi. Student shall register for elective/optional courses for the respective semester prior to the commencement of each semester. The course coordinators shall announce the elective/optional courses prior to the commencement of the semester.
- xii. Minimum number of students registered shall be

three (03) and five (05), respectively for the **Second** and **Third** year in order to offer an elective/optional course. A student can drop and add elective/optional courses within the first two weeks of the semester or within a prescribed period assigned by the Faculty after the commencement of the academic programme with the recommendation of the relevant course coordinators.

- xiii. Elective/Optional courses of the third year programme should be targeted at the intended specialization area of the student. Out of the total number of elective credits taken in the third year, 50% shall be from the intended field of specialization.
- xiv. Contents of the elective courses shall be revised periodically as decided by relevant course coordinators and the departments of study. New elective courses could be added to the curriculum and existing elective courses could be removed from the curriculum as decided by the relevant department of study, recommended by the Faculty Board and approved by the Senate.
- xv. A candidate shall attend and undertake quizzes, tests and assignments, etc. related to continuous evaluations and obtain not less than 35% of marks to be eligible to sit for the end-semester examination.
- xvi. Failure to fulfill specific requirements of a course as decided by a department of study shall disqualify a candidate from sitting for the end-semester examination, but it shall be treated as an attempt. Such candidate/s shall repeat the entire course and shall be required to pay the examination fees as stipulated by the regulations.

6.4.6 Final year specialization programme

- Students in BSc in Green Technology Honours degree programme shall select a field of specialization at the end of the Third Year Second Semester (3-2).
- Students shall apply for a field of specialization at the end of the 3-2 semester, based on their performance and preference.
- In the Fourth Year Second Semester (4-2), students should undertake a Research Project in the selected specialization field as directed by the Department of Agricultural Engineering.

6.4.7 Guidelines for the calculation of final marks for courses in examinations

- i. A minimum of **35%** of the marks should be obtained for each component of the final examination to pass the examination.
- ii. The theory component of an end-semester examination of a course may consist of multiple choice, structured and essay type questions. The relevant course coordinator and the department of study shall decide the composition of the examination as prescribed in the course structure and shall announce prior to the commencement of the semester.
- iii. The practical and field work components of courses shall be assessed continuously, by an end-semester examination or by both methods depending on the course and the department of study.
- iv. Oral examinations, if any, for the courses conducted in the first, second and third years of a degree programme shall be a component of the continuous evaluations and shall be arranged by the course coordinator and the respective department of study.
- v. The course outline, class/laboratory/practical/field activities, assignments, etc. and weight of marks assigned to each component of the evaluation shall be announced to the students by the course coordinator and the department of study at the beginning of the course.

6.4.8 Restrictions for the period for completion of the degree

The maximum allowable time period to complete a BSc degree offered by the Faculty of Agriculture, University of Ruhuna is **Eight (08) Years** unless the student has obtained concessionary recommendation of the Faculty Board and approval of the Senate.

6.4.9 Fall-back option and credit transfer

A student who has not fulfilled all requirements of the programme to be awarded the degree, however, has completed a part of the degree programme, shall be considered to offer a certificate of completion of relevant courses after eight academic years from the date of the first registration on the recommendation of the Faculty Board and approval of the Senate.

6.4.10 Absentees at examinations

- i. A candidate who has been absent from a whole end-semester examination shall be treated as an attempt, unless a valid reason has been furnished by the candidate and accepted by the Faculty Board and the Senate. A candidate with an accepted valid reason shall take the whole end-semester examination on the next immediate occasion and shall get grading for courses and the examination according to the schemes given in **Section 4 and 5**, respectively. If a candidate avoids taking the whole end-semester examination on the next immediate occasion without furnishing a valid reason, it shall be treated as an attempt.
- ii. If a candidate has sat only for a part of one or more course/s of an end-semester examination, it will be treated as a complete attempt for all prescribed courses in that examination, unless a valid reason has been furnished by the candidate and accepted by the Faculty Board and the Senate.
- iii. Absence of a candidate from an end-semester examination on account of bereavement in the family (death of a parent, brother or sister, and if married, spouse or child) will be excused if approval is obtained from the Faculty Board and the Senate subjected to submission of a death certificate and appropriate proof of relationship.
- iv. A candidate who is absent only for a part of an end-semester examination, shall take the complete course of examination at the next attempt. If a candidate fails to sit for absent course/s on the next immediate occasion without furnishing a valid reason, it shall be treated as an attempt.
- v. All absentees at examinations due to medical reasons shall submit a medical certificate obtained from a person listed under **Section 14**. These medical certificates shall be endorsed by the University Medical Officer before being presented to the Faculty Board and the Senate for approval.
- vi. An end-semester examination, which involves different components, shall be taken at one occasion, except in the case of continuous evaluations. In the case of a repeat or absent candidate, marks obtained for continuous evaluations shall be counted in the succeeding end-semester examinations.

6.4.11 Scheme of awarding the degree

Subject to appropriate examination by-laws, a candidate who has completed all the requirements of the degree and fulfilled the proficiency requirements in English (minimum of Level I of the Proficiency in English conducted by the University of Ruhuna) and satisfactory completion of the orientation programme is awarded **First Class Honours, Second Class Honours (Upper or Lower Division)**, or a **Pass** based on the GPA as follows:

GPA	Degree Awarded
$GPA \geq 3.70$	First Class Honours
$3.30 \leq GPA < 3.70$	Second Class Upper Division Honours
$3.00 \leq GPA < 3.30$	Second Class Lower Division Honours
$2.00 \leq GPA < 3.00$	Pass

To be awarded the degree, the student shall complete all the components of the degree programme including compulsory courses, elective courses, research project in the selected specialization and internship and shall also complete the minimum numbers of credit requirement with respect to the degree programme.

6.4.12 Effective Date of the Degree

- i. The Effective Date of the Degree shall be the date following the last day of the semester Examinations conducted by the Faculty in the relevant semester when the student fulfils the requirements to receive the Degree including the submission of the duly signed bounded copies of the final year research dissertation.
- ii. In case a student has on going inquiry for an examination or disciplinary offence conducted against him by the University, results of the relevant examination/s shall not be released until the inquiry is completed. In such situations, the effective date of the degree shall be determined by the Senate or the Council of the University of Ruhuna.

6.4.13 Academic Dishonesty

- i. Students are expected to act with full integrity in all academic endeavors: any use of words, formulae or ideas that are not one's own must be duly acknowledged. Providing or receiving any sort of unauthorized help on papers, examinations or

other academic work is a violation of the University's policies on academic integrity.

- ii. The consequences of cheating, plagiarism, unauthorized collaboration and other forms of academic dishonesty shall be dealt with in accordance with the examination rules and regulations of the University.

6.4.14 Medical certificates for failure to attend examinations

Students are requested to support the absence from course work or examinations due to an illness by a valid medical certificate conforming to the format of a medical certificate issued by a Government Hospital. Such medical certificate should be obtained from the following persons:

University Medical Officer
 District Medical Officer
 Consultant Specialist in the relevant field
 Head of a Government Hospital
 Medical Superintendent of a Provincial Ayurvedic Government Hospital
 Ayurvedic Physician registered in the Ayurvedic Medical Council

Students who fall ill during sessions of examination time should contact the University Medical Officer at the University Health Center immediately. If a student falls sick at home or elsewhere during the session of an examination time he/she or his/her guardian should inform the Dean of the Faculty within seven days by telegram followed by a letter indicating the nature of the illness and the name of the attending doctor and other relevant information. Medical certificate supporting the illness of the student should also be sent to the Dean of the Faculty.

6.14.15 Revision of Rules and Regulations

- i. Rules and Regulations may be revised or amended from time to time by the Senate with the approval of the Council when necessary.
- ii. All other common Rules and Regulations applicable to the state Universities in Sri Lanka and to the University of Ruhuna in particular are also applicable to students registered for the Degree Programmes.

- iii. In case of any ambiguity in the rules and regulations, the interpretation of the Faculty Board endorsed by the Senate with the approval of the Council shall be final.

General Conditions

These Regulations will be effective from the batch of students who admitted to the academic year 2020/2021. (2018/2019 intake)

6.4.16 Interpretations

- i. In these Regulations unless the context otherwise requires:

“University” means the University of Ruhuna, Sri Lanka as established by Gazette Notification No. 281/07 dated 24.01.1984

“Council” means the Council of the University of Ruhuna, constituted by Universities Act No.16 of 1978 and amendments thereof.

“Senate” means, the Senate of the University of Ruhuna, constituted by Universities Act No. 16 of 1978 and amendments thereof

“Faculty” means the Faculty of Agriculture, University of Ruhuna.

“Faculty Board” means the Faculty Board of the Faculty of Agriculture, University of Ruhuna.

“Dean” means the Dean of the Faculty of Agriculture, University of Ruhuna.

- ii. Any question regarding the interpretation of this regulations shall be referred to the Council whose decisions thereon shall be final and conclusive.

Departments of Study

7. Department of Agricultural Biology

7.1 Introduction

Department of Agricultural Biology offers courses for the enrichment of an undergraduate of Faculty of Agriculture with intensive basic knowledge on the biology of crops and, pests and diseases in terms of crop botany, physiology, genetics, molecular biology, entomology, plant pathology and microbiology and, applied knowledge on crop improvement, management of crop genetic resources and biodiversity, biotechnology and management of pests and diseases. The practical classes, field visits and demonstrations are offered in order to provide the practical skills in techniques and attitudes related to Agricultural Biology. Students are trained for research methodologies, statistical analysis, communication skills, critical thinking, report writing, presenting in a scientific forum and manuscript writing during the six-month-research project undertaken in the Department.

There are twelve permanent staff members, with the support of three temporary demonstrators and two technical officers, one lab attendant and one laborer. The laboratories and greenhouses facilities for wide range of biological research. The Department offers WG Don Kirigoris Appuhamy Memorial Gold Medal at the annual general convocation to the graduate who specialized on Agricultural Biology for the Degree of Bachelor of Science Honours in Agricultural Resource Management & Technology with the highest Grade Point Average and a first class.

The Department also provides opportunities for Agricultural Biology specialization students to undertake their final year research projects in foreign universities and expose themselves to modern and advanced laboratories.

The Department offers MPhil and PhD degrees in the allied fields of Agricultural Biology stream through national and international research grants. Many of those MPhil and PhD students are co-supervised by international experts. There are several collaborative research programmes operated in the Department with foreign universities. Department of Agricultural Biology also works in collaboration with local universities, research stations, southern provincial council and several private organizations for research and extension activities such as awareness programmes for pest and disease management, biosafety, traditional rice, and mushroom production to farmers, training school teachers and agricultural instructors, etc..

7.2 Academic Staff

Head of the Department

Prof (Ms) S Geekiyange

Emeritus Professors

Prof RHS Rajapakse

BSc Agric (Sri Lanka), MSc Agric (Sri Lanka), PhD (Florida, USA) (Entomology and Integrated Pest Management)

Prof SGJN Senanayake

BSc Agric (Peradeniya), PhD (Copenhagen) (Genetics and Plant Breeding)

Senior Professors

Snr Prof KL Wasantha Kumara

BSc Agric (Ruhuna), MSc (Peradeniya), PhD (Bangalore, India) (Plant Pathology)

Snr Prof (Ms) WADPR Ratnasekera

(Professor of Agric Biology), BSc Agric (Ruhuna), MSc (Peradeniya), PhD (Beijing, China) (Plant Physiology, Molecular Biology and Biochemistry)

Professors

Prof (Ms) AL Ranawake

BSc Agric (Ruhuna), MSc, PhD (Kobe, Japan) (Molecular Biology and Biotechnology)

Prof (Ms) N Dahanayake

BSc Agric (Ruhuna), MSc (Peradeniya), PhD (South China University, China) (Developmental of Physiology of Plant and Molecular Biology)

Prof (Ms) S Geekiyange

BSc Agric (Peradeniya), MSc (Peradeniya), PhD (Ehime, Japan) (Applied Plant Molecular Biology)

Prof (Ms) NP Ranathunge

BSc Agric (Peradeniya), MSc (Peradeniya), PhD (Melbourne, Australia) (Molecular Plant Pathology)

Senior Lecturers

Dr (Ms) A Mannakkara

BSc Agric (Ruhuna), MSc (Peradeniya), PhD (HZAU, China) (Entomology and Integrated Pest Management)

Dr (Ms) A Liyanage

BSc Agric (Ruhuna), MSc (Melbourne, Australia), (Environmental Biology and Biodiversity), PhD (QUT Australia)

Dr (Ms) DM Gamage

B.Sc. Agric (Ruhuna), Ph.D. (USQ Australia) (Molecular Biology and Bioinformatics)

Dr MDP Kumaratunga

BSc Agri (Peradeniya), MSc (Peradeniya), PhD (Western Sydney, Australia) (Plant Ecophysiology & Ecosystem Modeling)

Lecturers

Mr PCD Perera

BSc Agric (Ruhuna), MPhil (Ruhuna), Reading for PhD (Wroclaw, Poland) (Weed Science)

Ms WWUI Wickramaarachchi

BSc Agri (Ruhuna), MSc (Peradeniya), Reading for PhD (University of Sheffield, UK) (Plant pollinator interactions and Apiculture)

7.3 Courses offered by the Department of Agricultural Biology

Course notation	Course Name	Status			Credits
		ARMT	ABM	GT	
BL11301	Plant Physiology and Systematics	C	C		3
BL12201	Entomology	C	E		2
BL12202	Biodiversity Conservation		E	C	2
BL12203	Environmental Biotechnology		E	C	2
BL21201	Genetics and Plant Breeding	C	E		2
BL21202	Developmental Plant Physiology	E	E		2
BL21203	Economic Botany	E	E		2
BL21204	Environmental Biology	E	E		2
BL22201	Molecular Biology, Biotechnology and Bioinformatics	C	E		2
BL22202	Plant Pathology	C	E		2
BL22203	Microbial Genetics	E	E		2
BL22204	Weed Biology	E	E		2
BL22205	Plant Protection Practicum	E	E		2
BL31201	Environmental Plant Physiology	E	E		2
BL31202	Industrial Entomology	E	E		2
BL31203	Plant-microbe Interactions	E	E		2
BL32201	Field Biology in Agriculture	C	E		2
BL32202	Practicum in Molecular Biology and Biotechnology	E	E		2
BL32203	Ecological Engineering for Pest and Disease Management	E	E		2
BL32204	Commercial Apiculture	E	E		2
BL32205	Occupational Health and Safety in Agriculture	E	E		2
BL41201	Advances in Crop Protection	C			2
BL41202	Advances in Crop Improvement	C			3
BL41203	Conservation Biology	C			1
BL42601	Specialization of Agric Biology (Research project)	C			6

(Abbreviations used: ARMT-BSc Honours in Agricultural Resource Management and Technology, ABM- BSc Honours in Agribusiness Management, GT-BSc Honours in Green Technology, C-Compulsory course, E-Elective course)

8. Department of Agricultural Economics

8.1 Introduction

To understand different systems of agriculture, one has to be knowledgeable about the different components of these systems; crops and animals, technology used, and the human factor. While the students gather knowledge on the former two aspects in other Departments, the Department of Agricultural Economics is mainly concerned about the last, the human factor, especially entrepreneurship and management.

The Department of Agricultural Economics is one of the pioneering Departments, which were established at the beginning of the Faculty of Agriculture in 1978. At present, the Department of Agricultural Economics offers several courses for the undergraduate degree programmes of BSc ARMT, BSc ABM and BSc GT.

As the Department identified an increasing demand for expert manpower in the fields of agricultural economics and resource management, the Department established MSc Programmes in Agricultural Economics and Resource Management (MSc AgERM), Agribusiness Management (MABM) and Agricultural Economics and Development (MAED) from the year 2006 in addition to conventional MPhil and PhD degree programmes. In addition to the undergraduate and postgraduate programme, the Department offers certificate and diploma courses in Scientific Tea Manufacturing and Quality Management for the Tea sector in collaboration with the Sri Lanka Tea Board, Tea Small Holding Development Authority and Tea Research Institute. The Department conducts several collaborative research and development programmes to cater to the demand for community development and new knowledge through several national and international organizations and government institutions.

Economic theories, Agricultural Economics, Agricultural Extension, Natural Resource Management, Environmental Economics, Organizational Management, Human Resource Management, Agribusiness Management, Econometrics and Statistics, Fisheries Economics, Agricultural Marketing, Forest Management, and Entrepreneurship are some of the research fields available in the Department.

8.2 Academic Staff

Head of the Department

Prof (Ms) GC Samaraweera

Emeritus Professors

Prof WMMP Wijeratne

BSc Agric (SL), LLB (OUSL), MSc Agric Econ (Ghent), PhD (Wageningen) (Agric Econ & Extension Science)

Prof Oscar Amarasingha

B.Sc. (Agriculture) University of Peradeniya, M.Sc. (Agricultural Development) State University of Ghent, Belgium, Ph.D. (Economic & Social Sciences), Facultes Universitaires Notre Dame De La Paix, Namur, Belgium

Senior Professors

Snr Prof Mangala De Zoysa

BSc Agric (Peradeniya), MSc (Wageningen), PhD (Tokyo, Japan) (Agriculture and Forest Policy)

Snr Prof LM Abeywickrama

BSc Agric (Ruhuna), MSc (Peradeniya) (Resource Management), PhD (PAU, India) (Agric Economics)

Professors

Prof AL Sandika

BSc Agric (Ruhuna), MSc (Dharwad, India), Reading for PhD (Ruhuna)

Prof (Ms) GC Samaraweera

BSc Agric (Ruhuna), MSc (IGAU, India) (Agric Economics), PhD (HZAU, China)

Prof (Ms) WN De Silva

BSc Agric (Ruhuna), MSc (Peradeniya) (Agric. Economics & Environmental Economics), PhD (UOA, India) (Environmental Policy)

Senior Lecturers

Dr (Ms) DN Koralegama

BSc Agric (Ruhuna), MSc (Vietnam), PhD (Amsterdam, Netherlands)

Dr (Ms) MAPDP Wickramaratne

BSc Agric (Ruhuna), MBA (Colombo), PhD (Tokyo, Japan) (Entrepreneurship)

Dr (Ms) KNN Silva

BSc Agric (Ruhuna), MSc (Ruhuna), MSc (Humboldt, Germany), PhD (Hannover, Germany)

Lecturers

Ms WCSM Abeysekara

BSc Agric Res Mgt & Tec (Ruhuna), Reading for PhD (New England, Australia)

Mr PVS Harshana

BSc AgBis Mgt (Ruhuna), Adv. National Dip. In Human Resource Mgt. (NIBM), Dip. In Counseling (Kelaniya), Reading for PhD (Griffith, Australia)

Ms MAMI Perera

BSc Agric (Ruhuna), Adv. National Dip. In Human Resource Mgt. (NIBM), MSc (Nha Trang, Vietnam), Reading for PhD (Griffith, Australia)

8.3 Courses offered by the Department of Agricultural Economics

Course notation	Course Name	Status			Credits
		ARMT	ABM	GT	
EC11201	Micro Economics	C	C		2
EC11202	Economic Statistics		C		2
EC11203	Economic Principles		E	C	2
EC12201	Macro Economics	C	C		2
EC12202	Principles of Business Management		C		2
EC12203	Marketing Management		C		2
EC21201	Agricultural Marketing	C	C		2
EC21202	Bookkeeping and Accountancy	E	C		2
EC21203	Financial Management	E	E		2
EC21204	Natural Resource Economics	E	C		2
EC 21205	Consumer Behavior		C		2
EC21206	Environmental Economics		E	C	2
EC22201	Farm Business Management	C	C		2
EC22202	Communication & Diffusion of Innovation	E	C		2
EC22203	Human Resource Management	E	C	E	2
EC22204	Managerial Economics and Customer Relationship Management	E	C		2
EC22205	Strategic Management		C		2
EC31201	Social Science Research Methods	C	C		2
EC31202	Rural Development and Empowerment	E	E		2
EC31203	International Trade & Marketing	E	C		2
EC31204	Innovation and Knowledge Management	E	C	E	2
EC31205	Total Quality Management	E	E		2
EC31206	Organizational Behavior		C		2
EC31207	Business Management and Entrepreneurship		E	C	2
EC31208	Ecotourism		E	C	2
EC32201	Extension Education	C	C		2
EC32202	Project Management	E	C	C	2
EC32203	Fisheries Management and Wellbeing	E	E		2
EC32204	Entrepreneurship	E	C		2
EC32205	Social Network Analysis	E	E		2
EC32206	Business Start-ups		C		2
EC32207	Financial Management		C		2
EC32208	Environmental Impact Assessment		E	C	2
EC32209	Logistics Management and Professional Communication		E	E	2
EC41201	Natural Resource Management	C	C		2
EC41202	Agricultural Policy Analysis	C	C		2
EC41203	Econometrics	C	C		2
EC42601	Specialization in Agric Economics) Research project	C	C		6

(Abbreviations used: ARMT-BSc Honours in Agricultural Resource Management and Technology, ABM- BSc Honours in Agribusiness Management, GT-BSc Honours in Green Technology, C-Compulsory course, E-Elective course)

9. Department of Agricultural Engineering

9.1 Introduction

The Department of Agricultural Engineering was established in 1992 as one of the pioneering departments of the Faculty of Agriculture at the University of Ruhuna. The department aspires to be a nationally and internationally recognized institute for excellence in the application of engineering principles to agricultural production and processing, natural resource management, environmental conservation, and rural technology development. The mission is executed by applying enhanced teaching, research, and extension aspects of agricultural engineering and technology development for the betterment of people.

During the first five semesters of the BSc Agricultural Resource Management and Technology (ARMT) degree programme, undergraduates will study the course modules on major thematic areas in Agricultural Engineering including farm power and machinery engineering, irrigation and water resources engineering, processing and post-harvest engineering, farm structures and product design engineering, forestry and wood product engineering, precision agricultural technology and automation, machine learning, big data & data science and environmental and agricultural informatics, agricultural metrology and climatology. In the third year second semester, undergraduates are facilitated to get hands-on experiences on the above engineering themes. Training in Agricultural Machineries course will be offered at the very beginning of the third year first semester with the collaboration of the Browns and Company PLC to give hands-on experience for the operation of modern agricultural machinery, and the Undergraduates who opt to specialize in Agricultural Engineering can follow the advanced course modules in Agricultural Engineering during the fourth year first semester. Thereafter, they must carry out a research study and a research projects and industrial training under the supervision of senior academics of the faculty.

In 2012, the Department introduced the BSc Honours in Green Technology degree programme. The courses related to major thematic areas of sustainable resource management, sustainable environmental design, sustainable environmental technology, and sustainable energy management are offered in the first six semesters of this degree programme. The fourth-year first semester is allocated for advanced courses and the

fourth-year second semester is for the research study and the industrial training where students will be able to get on-hand experience with the industry.

The Department has further advanced the service for postgraduate students with MSc in Green Technology, MPhil, and PhD degree programmes as well as diploma and certificate courses. The Department has training facilities for both undergraduate and postgraduate programmes in Workshop Practice, Soil and Water Engineering, Postharvest Technology, Electronics and Automation, Farm Machineries, Agricultural and Environmental Informatics, Engineering Drawing, and Environmental Engineering. In addition, the Department provides strong practical components in Land Surveying, Farm Machinery Training, and Irrigation and Drainage. Department has a well-equipped meteorological station with automated data logging and transmission equipment for teaching and research activities.

The Department conducts community awareness programmes for school teachers and students with the purpose of distributing updated knowledge. Farmer training in agriculture machinery and micro-irrigation methods is also among the other community services.

The Department has widened its capacity through several international collaborations for research, student exchange programmes and several EU funded projects. The Department has an annual exchange programme for students from the University of Kobe - Japan, the University of Bogor - Indonesia, and the University of Naresuan - Thailand. The exchange programme with the University of the Ryukyus is under research collaboration including a four-credit course offered by the Department for MSc postgraduates of the University of the Ryukyus for the course module of Tropical Agriculture. Currently the department has been involved in EU funded projects such as Building Resilience in Tropical Agro-Ecosystems (BRITAE), Integrating Education with Consumer Behaviour relevant to Energy Efficiency and Climate Change at the Universities of Russia, Sri Lanka and Bangladesh (BECK), Strengthening University-Enterprise Collaboration for Resilient Communities in Asia (SECRA), Climate Change Adaptation and Disaster Risk Reduction (CCA-DRR) and Advancing Skill Creation to Enhance Transformation (ASCENT) and Making Sri Lankan cities Resilient (RECADOS) to share national and international

experiences. The department has taken initiative by establishing several memorandums of understanding with industry partners such as Browns Company Pvt Ltd and DIMO Company Pvt.Ltd.

9.2 Academic Staff

Head of the Department

Snr Prof GY Jayasinghe

Emeritus Professors

Prof KDN Weerasinghe

Eng Agron MSc, PhD (Moscow) (Soil and Water Engineering)

Senior professors

Snr Prof PLAG Alwis

BSc Agric (Ruhuna), MSc, PhD (Montpellier, France) (Farm Machinery)

Snr Prof (Ms) CM Navaratne

BSc Agric (Ruhuna), MSc Computing (UK), PhD (Ruhuna) (Agricultural Engineering)

Snr Prof GY Jayasinghe

BSc Agric (Ruhuna), MSc (Kelaniya) (Microbiology), MSc (Ryukyus, Japan), PhD (Kagoshima, Japan) (Environmental Technology)

Professors

Prof S Wijetunga

BSc Agric (Ruhuna), MPhil (Southern Yangtze, China) (Environmental Engineering)

Senior Lecturers

Ms CP Rupasinghe

BSc Agric (Ruhuna), MSc (AIT, Thailand) (Agricultural systems Engineering)

Dr BM Jinendra Siriwijaya

BSc Agric (Ruhuna), MSc (Kobe, Japan), PhD (Kobe, Japan)

Ms MGG Awanthi

BSc Agric (Ruhuna), MPhil (J'pura), Reading for PhD (Kagoshima, Japan)

Dr A Koswatta

B. Eng. (Donghua, China), MSc (Ryukyus, Japan), PhD (Ryukyus, Japan)

Lecturers

Mr KMTS Bandara

BSc Agric (Ruhuna), MPhil (Ruhuna), Reading for PhD (Kagoshima, Japan)

Mr WBMAC Bandara

BSc Agric (Ruhuna), MSc (Ryukyus, Japan), (Reading for PhD (Kagoshima, Japan)

Mr PP Ruwanpathirana

BSc Agric (Ruhuna), MPhil (Ruhuna), Reading for Ph.D. (Kagoshima, Japan)

Mr BKA Bellanthudawa

BSc (Kelaniya), MSc (Central Florida, USA)

Ms K Kumareswaran

BSc Green Technology (Ruhuna)

9.3 Courses offered by the Department of Agricultural Engineering

Course notation	Course Name	Status			Credits
		ARMT	ABM	GT	
EN11201	Hydrology and Climatology	C	E	C	2
EN11302	Environmental Pollution, Toxicology and Remediation		E	C	3
EN11203	Natural and Cultural Heritage Conservation		E	C	2
EN11204	Environmental Law & Policy		E	C	2
EN12201	Agricultural Machinery Engineering	C	C		2
EN12202	Environmental Footprints		E	C	2
EN12203	Renewable Energy Systems I		E	C	2
EN12204	Climate Change Adaptation and Mitigation		E	C	2
EN12205	Green Chemistry		E	C	2
EN21201	Bioprocessing and Post-harvest Engineering	C	C		2
EN21202	Ergonomics	E	E	C	2
EN21203	Agricultural Pollution, Prevention and Remediation	E	E		2
EN21204	Wood Engineering Technology	E	E	E	2
EN21205	Machinery Principles and Power Units		E	C	2
EN21206	Life Cycle Assessment		E	C	2
EN21207	Renewable Energy Systems II		E	C	2

EN21208	Productivity and Quality Management	E	C	2	
EN21209	Energy Audit and Energy Asset Management	E	C	2	
EN21210	Spirituality and relaxation Techniques for Personality Development	E	E	2	
EN22201	GIS and Remote Sensing	C	E	C	2
EN22202	Precision Agricultural Technology	E	E	C	2
EN22203	Agriculture Systems Design and Construction	E	E	E	2
EN22204	Survey and Levelling	E	E	E	2
EN22205	Waste water & Water Treatment Technologies	E	C	2	
EN22206	Sustainable Solid Waste Management	E	C	2	
EN22207	Industrial Resource Management and Cleaner Production	E	C	2	
EN22208	Integrated Water Resource Management	E	E	2	
EN31201	Irrigation and Water Resources Engineering	C	E	C	2
EN31202	Designing and Installation of Micro Irrigation Systems	E	E	E	2
EN31203	Technical Instrumentation and Device Development	E	E	E	2
EN31204	Environment Information and Management	E	E	2	
EN31205	Renewable Energy for Sustainable Agriculture	E	E	2	
EN31206	Sustainable Post Harvest Technology	E	C	2	
EN31207	Environmental Monitoring and Modelling	E	C	2	
EN31208	Green infrastructure and Smart Cities	E	C	2	
EN31209	Business Model in Resource Recovery from Waste	E	E	2	
EN32201	Applied Agricultural Engineering and Environmental Technology	C	E	2	
EN32202	Non-Destructive Analytical Techniques	E	E	2	
EN32203	Engineering Solutions for Controlled Environment in Agriculture	E	E	E	2
EN32204	Training in Agricultural Machineries	E	E	E	2
EN32205	Engineering Drawing	E	E	E	2
EN32206	Disaster management and Resilience	E	C	2	
EN32207	Product Design and Development Protocols	E	C	2	
EN32208	Analytical Techniques and Green Solutions	E	C	2	
EN32209	Coastal and Marine Resource Management	E	C	2	
EN32210	Ecological Sanitation	E	E	2	
EN32211	Climate change at Urban and Peri Urban Scale in Tropics*	E	E	2	
EN41201	Automated and Connected Agriculture	C	2		
EN41102	Modelling and simulation in Systems engineering	C	1		
EN41103	Disaster Risk Reduction & Climate Resilient Development	C	1		
EN41204	Design and Manufacturing Engineering	C	2		
EN 41205	Research Methodology and Scientific Writing	C	2		
EN 41206	Process Automation and Smart Control	C	2		
EN41207	Case Studies in Environmental Technology	C	2		
EN41208	Green Behavior and Sustainable Consumption Simulation	C	2		
EN42601	Specialization in Agric. Engineering (Research Study)	C	C	6	

(Abbreviations used: ARMT-BSc Honours in Agricultural Resource Management and Technology, ABM- BSc Honours in Agribusiness Management, GT-BSc Honours in Green Technology, C-Compulsory course, E- Elective course) *MOOCs – Massive Open Online Courses

10. Department of Animal Science

10.1 Introduction

Department of Animal Science is one of the oldest Departments in the Faculty and offers courses in all eight semesters of the BSc Agricultural Resource Management & Technology degree programme. A selected number of courses are offered for the Agribusiness Management and Green Technology degree programmes too. The course structure of the subject encompasses a wide range of disciplines related to Animal Science. The first five semesters focus mainly on theoretical aspects of various disciplines related to livestock production. During the sixth semester, students engage in an intensive on-farm practical training programme which builds upon the theoretical background, strengthened during the initial five semesters.

Students specializing in Animal Science receive advanced training on current developments in Animal Science in the seventh semester followed by industrial training at pre-arranged outside institutions. During the eighth semester, students undertake a research project which leads to acquiring higher-order learning skills and building self-confidence to face future challenges. The research activities can be conducted either at the faculty research farm or outside institutions under the guidance of a panel of experienced academic staff members.

The academic staff consists of three emeritus professors, six professors, one senior lecturer and three lecturers trained in diverse fields of Animal Science. Supporting staff members including two well-trained technical officers support the functions of the department. In addition, three fresh graduates join as temporary academic staff members every year and support academic and research activities in the department. Postgraduate opportunities such as MSc, research-based MPhil and PhDs are also available in a variety of disciplines in Animal Science.

The Department of Animal Science is one of the top animal science research centers in the country and has established research collaborations with many local and foreign universities and institutes. The Department also provides training opportunities for diverse groups in the society and actively involved in industry-university partnerships.

10.2 Academic Staff

Head of the Department
Prof (Ms) D Senaratne

Emeritus Professors

Prof KK Pathirana

BVSc (Peradeniya), MSc, PhD (McGill, Canada) (Animal Nutrition)

Prof WWDA Gunawardena

BSc Agric (Peradeniya), Dip Ing Agro (ETH, Zurich), PhD Nat. (ETH-Zurich) (Animal Production, Animal Genetics & Breeding)

Prof (Ms) RT Seresinhe

BSc Agric (Peradeniya), Dip Ing Agro (ETH, Zurich), PhD (Zurich) (Pasture Science & Animal Nutrition)

Senior Professors

Snr Prof NSBM Atapattu (Chair Professor)

BSc Agric (Ruhuna), MSc (Massey, New Zealand), (Poultry Science and Nutrition), PhD (Ruhuna)

Professors

Prof (Ms) NY Hirimuthugoda

BSc Agric (Ruhuna), MPhil (Peradeniya), PhD (Ocean, China) (Aquaculture)

Prof PWA Perera

BSc Agric (Ruhuna), MSc (Colombo), PhD (Zhejiang, China) (Waste Management)

Prof (Ms) D Senaratne

BSc Agric (Ruhuna), Dip Environ Mgt (Israel), MSc (Sri J'pura), PhD (Peradeniya) (Animal Behaviour and Welfare)

Prof I Pathirana

BVSc (Peradeniya), PhD (Osaka, Japan) (Reproductive Physiology)

Associate Professors

Dr (Ms) NMNK Narayana

BSc Agric (Peradeniya), MPhil (Peradeniya), PhD (NDRI, India) (Dairy Science & Technology)

Senior Lecturers

Dr CJ Gajaweera

BSc Agric (Ruhuna), MSc (Peradeniya), MABM (Ruhuna), PhD (Chungnam, South Korea)

Lecturers

Dr NA Pethiyagoda

BSc Agric (Ruhuna), MSc (Norway) (Fisheries Economics), Reading for PhD (Tasmania, Australia)

Ms S Sujani

BSc Agric (Ruhuna), MSc (Peradeniya), Reading for PhD (Virginia Tech, USA)

Mr WTL Fonseka

BSc Agric (Ruhuna), MSc (Peradeniya) Reading for PhD (Okayama, Japan)

10.3 Courses offered by the Department of Animal Science

Course notation	Course Name	Status			Credits
		ARMT	ABM	GT	
AS11201	Anatomy and Physiology of Farm Animals	C	C		2
AS12301	Animal Nutrition, Forage & Feed Technology	C	C		3
AS21101	Animal Genetics and Breeding	C	E		1
AS21102	Animal Products Technology	C	C		1
AS21203	Analytical Methods in Animal Nutrition	E	E		2
AS22201	Aquaculture and Non-ruminant Management	C	C		2
AS22102	Animal Health and Hygiene	C	E		1
AS22203	Livestock Economics and Marketing	E	E		2
AS22204	Sustainable Livestock Production Systems		E	C	2
AS31201	Ruminant Management	C	E		2
AS31202	Livestock Genomics	E	E		2
AS31203	Micro-livestock Production	E	E		2
AS32201	Applied Livestock Production	C	E		2
AS32202	Animal Reproduction	E	E		2
AS32203	Livestock Waste Management	E	E		2
AS32204	Indigenous Farm Animal Genetic Resources Management	E	E		2
AS32205	Wildlife Conservation and Management	E	E		2
AS41201	Extended Essays in Animal Science	C			2
AS41202	Animal Welfare and Legislations	C			2
AS41203	Sustainable Livestock Production Systems	C			2
AS42601	Specialization in Animal Science (Research Study)	C			6

(Abbreviations used: ARMT-BSc Honours in Agricultural Resource Management and Technology, ABM- BSc Honours in Agribusiness Management, GT-BSc Honours in Green Technology, C-Compulsory course, E-Elective course)

11. Department of Crop Science

11.1 Introduction

The Department of Crop Science offers a comprehensive and rigorous academic programme for the BSc Honours in Agricultural Resources Management & Technology. That provides the students with the requisite knowledge, experience and skills for sustainable production of plant species, which are nutritional, industrial, medicinal and environmental importance. To this end, it offers a broad spectrum of courses such as seed biology, production and management of crops, crop physiology, post-harvest management, cropping systems, agro-forestry, forestry, controlled environment agriculture, bio-statistics and climate change. The Department also supports the other degree programmes of the Faculty of Agriculture, namely Agribusiness Management and Green Technology by offering basic courses relating to Crop Science.

The Department provides the right blend of theoretical knowledge and practical training through a “student-centric approach” so that the graduates have the capacity and capability to develop solutions to the issues and challenges in crop production and allied fields. It also conducts a Master’s programme in Crop Production Technology and provides opportunities for higher studies leading to MPhil and PhD as well. While promoting academic and research excellence, the Department has forged close links with the community and industry making the academic offerings and research endeavors of the Department relevant to the world of work.

The Department of Crop Science, with its dedicated and competent staff, is emerging as a leader in proffering solutions to local and national issues and challenges in the realm of agriculture.

The Department consists of a teaching laboratory, research laboratory and plant tissue culture unit, which are modestly equipped to cater to the ongoing teaching and research programmes of the Department. Further, two plant houses and protected agriculture units facilitated with hydroponics systems are also available to serve the same. In recognition of the scientific merits of the research programmes conducted in the Department, several research grants are offered to some senior members of the Department from national and international funding agencies.

11.2 Academic Staff

Head of the Department

Prof Wathugala GD Lakmini

Emeritus Professors

Prof R Senaratne

BSc Agric (Peradeniya, SL), MPhil (Peradeniya, SL), PhD (Vienna, Austria)

Senior Professors

Snr Prof S Subasinghe

BSc Agric (Ruhuna, SL), MSc (AIT, Thailand), PhD (Ruhuna, SL)

Snr Prof KKIU Arunakumara

BSc Agric (Ruhuna, SL), MSc (Moratuwa, SL), PhD (Ocean, China)

Professors

Prof (Ms) Wathugala GD Lakmini

BSc Agric (Ruhuna, SL), MPhil (Peradeniya, SL), PhD (Durham, UK)

Prof (Ms) DLC Kumari Fonseka

BSc Agric (Ruhuna, SL), MSc (Peradeniya, SL), MSc (Colombo, SL), PhD (Durham, UK)

Senior Lecturers

Ms MKTK Amarasinghe

BSc Agric (Ruhuna, SL), MSc (Peradeniya, SL), MPhil (Ruhuna, SL)

Dr (Ms) KMC Fernando

BSc Agric (Ruhuna, SL), MSc (UMB, Norway), PhD (Nottingham, UK)

Ms DABN Gunarathna

BSc Agric (Ruhuna, SL), MSc (KU Leuven, Belgium), PG Dip (Peradeniya, SL)

Dr IR Palihakkara

BSc Agric (Ruhuna, SL), MSc (Sri J’pura, SL), PhD (Tokyo, Japan)

Mr HKMS Kumarasinghe

BSc Agric (Ruhuna, SL), MPhil (Ruhuna, SL)

Dr (Ms) NDN Priyadarshani

BSc Agric (Ruhuna, SL), MPhil (Ruhuna, SL), PhD (Melbourne, Australia)

Lecturers

Mr PHM Dharmasena

BSc Agric (Ruhuna, SL), MSc (AIT, Thailand)

Ms RHGB Prabashini

BSc Agric Res Mgt & Tec (Ruhuna, SL), Reading for PhD (Federation, Australia)

Academic Supporting

Ms WMAM Karunaratne

BSc Agric Res Mgt & Tec (Ruhuna, SL), Reading for MPhil (Ruhuna, SL)

11.3 Courses offered by the Department of Crop Science

Course notation	Course Name	Status			Credits
		ARMT	ABM	GT	
CS11201	Principles of Agronomy	C	C	C	2
CS12201	Agroforestry and Silviculture	C	C		2
CC21201	Agroecology	C	C	C	2
CS21202	Management of Aquatic Plants	E	E		2
CS21203	Management of Energy Crops	E	E		2
CS21204	Commercial Nursery Management	E	E	E	2
CS21205	Urban Agriculture and Food Security		E	E	2
CS22201	Management of Spices and Beverage Crops	C	C		2
CS22202	Fruit Crop Management	C	C		2
CS22203	Management of Medicinal and Aromatic Plants	E	E		2
CS22204	Floriculture and Landscaping	E	E		2
CS22205	Crop Stress Physiology	E	E		2
CS22206	Landscaping and Green Interior Design		E	C	2
CS31201	Plantation Crop Management and Training	C	C		2
CS31202	Forest Ecology and Management	E	E		2
CS31203	Plant Tissue Culture	E	E	E	2
CS31204	Rice Production Technology	E	E	E	2
CS31205	Organic Agriculture	E	E		2
CS32301	Production Technology of Field Crops and Vegetables	C	E		3
CS32102	Protected Agriculture	C	E	E	1
CS32203	Root Architecture and Crop Productivity	E	E		2
CS32204	Crop Modelling	E	E		2
CS32205	Commercial Seed Production	E	E		2
CS32206	Weed Management Technology	E	E		2
CS41101	Communications in Crop Science	C			1
CS41202	Crop Experimentation	C			2
CS41103	Urban and Peri-urban Agriculture	C			1
CS41104	Floriculture and Landscaping Training	C			1
CS41105	Training in Forestry	C			1
CS42601	Specialization in Crop Science (Research Study)	C			6

(Abbreviations used: ARMT-BSc Honours in Agricultural Resource Management and Technology, ABM- BSc Honours in Agribusiness Management, GT-BSc Honours in Green Technology, C-Compulsory course, E-Elective course)

12. Department of Food Science and Technology

12.1 Introduction

The Department of Food Science and Technology was formed in June 2006 fulfilling a contemporary and future need of the Faculty. Prior to this, the Department was named Department of Agricultural Chemistry consisting of the two former divisions; Food Science and Soil Science. Compared to all other disciplines in Agriculture, Food Science is probably the most important single subject with regard to both its industrial applications and employment opportunities for graduates.

The Department laboratories are equipped for experimental work in Food Chemistry, Food Microbiology and Food Technology. Research in the Department reflects the wide range of disciplines encompassed by Food Science and Food Technology. Apart from the teaching and research, the Department is involved with many community development and national level workshops related to food science.

The department at present offers MPhil and PhD degrees by research in the areas of food chemistry, food microbiology and safety and food processing and preservation technology. The Department started its first master's programme of Master of Food Science & Technology (MFST) and the Postgraduate Diploma in Food Science & Technology (PGDipFST) in 2009. The Department of Food Science and Technology, University of Ruhuna is the only leading teaching and training facility available in the Southern Region in the field of Food Science.

12.2 Academic Staff

Head of the Department

Dr (Ms) PABN Perumpuli

Senior Professors

Snr Prof VS Jayamanne

BSc Agric (Ruhuna), MPhil (SL), PhD (Surrey, England), FIBiol (SL) (Food Microbiology & Safety)

Professors

Prof PLN Lakshman

BSc Agric (Ruhuna), MSc (Peradeniya), MSc (Ryukyus, Japan), PhD (Ryukyus, Japan) (Food Enzymology)

Senior Lecturers

Dr (Ms) PABN Perumpuli

BSc Agric (Ruhuna), MSc (Ryukyus, Japan), PhD (Ryukyus, Japan) (Food Science and Technology)

Dr (Ms) AAM Subodinee

BSc Agric (Ruhuna), MSc (Sri J'pura) (Food Science & Technology), PhD (Kagoshima, Japan)

Dr. GSN Fernando

BSc Agric (Ruhuna), MSc (Ruhuna) (Food Science & Technology), PhD (Leeds, UK)

Lecturers

Ms. APHI Abeyasuriya

BSc Food Science & Technology (J'pura), MPhil in Natural Product Chemistry (Ruhuna)

Ms WTV Thathsarani

BSc Agric (Ruhuna), Master of Philosophy (QUT, Australia), Reading for PhD (QUT, Australia)

12.3 Courses offered by the Department of Food Science and Technology

Course notation	Course Name	Status			Credits
		ARMT	ABM	GT	
FS11201	Biochemistry	C	C		2
FS12201	Food Chemistry	C	C		2
FS21201	Food and Nutrition	C	C		2
FS21202	Basic Kitchen Skills and Menu Planning	E	E		2
FS 21203	Food Toxicology	E	E	E	2
FS21204	Cereal Chemistry and Bakery Product Technology	E	E		2
FS22201	Nutrition for Life cycle	E	E		2
FS22202	Food Enzymology	E	E		2
FS22203	Fermentation Technology	E	E		2
FS31201	Food Preservation and Processing	C	C		2
FS31202	Food Waste Management	E	E		2
FS31203	Sensory Evaluation of Food	E	E		2
FS31204	Functional Foods and Nutraceuticals	E	E		2
FS31205	Fish, Meat and Egg Product Technology	E	E		2
FS32201	Food Product Development	E	E		2
FS32202	Dairy Product Technology	E	E		2
FS32203	Food Packaging and Labeling	E	E		2
FS32204	Food Material Science	E	E		2
FS41201	Food Microbiology and Safety	C			2
FS41202	Food Analysis	C			2
FS41203	Food Process Engineering	C			2
FS42601	Specialization in Food Science and Technology (Research Study)	C			6

(Abbreviations used: ARMT-BSc Honours in Agricultural Resource Management and Technology, ABM- BSc Honours in Agribusiness Management, GT-BSc Honours in Green Technology, C-Compulsory course, E-Elective course)

13. Department of Soil Science

13.1 Introduction

The Department of Soil Science was established in June 2006 after the dissolution of the former Department of Agricultural Chemistry giving the mandate to develop and broaden the knowledge of land resources and the science of soils along with its interactions with the environment, natural resources including plants, water and atmosphere, and society. The Department plays a significant role in the transition of Soil Science to a fundamental focus in undergraduate degree programmes, as it is an essential subject with many applications in agriculture, forestry, engineering, and environmental sciences. Under the new curricula, Soil Science is taught from an environmental and natural resource management perspective, deviating from the traditional agricultural basis.

At present, the academic staff of the Department comprises two senior professors, one professor, two senior lecturers, and three lecturers specializing in various fields in Soil Science. Having this sound academic background, the department offers ten credits of compulsory courses in the first, second, and third years of the B.Sc. degree programmes. First and second-year courses consist of descriptive and well-planned practical lesson series designed for undergraduate students. The Department offers 14 elective courses from the second year onwards to provide in-depth coverage of the subject and its real-world applications. Students who plan to pursue a career in Soil Science/Natural Resource Management are strongly encouraged to select appropriate elective courses in consultation with the academic staff of the Department.

Interested students can select Soil Science for specialization/majoring in the final year. A series of field visits are organized for them in the first semester. The final-year second semester is allocated for the students to conduct research projects at the Department or various institutes in the country or abroad, depending on the availability of opportunities. The students have the freedom to select the desired research topic under the guidance of an academic advisor, join ongoing research or propose a research topic of their own.

The Department of Soil Science established the Ruhuna University Soil Science Club (RUSSC) in 2019 as a

platform for the students to blend and enjoy exploring the field of soil science.

Opportunities are available for interested graduates to follow post-graduate degrees (MPhil and Ph.D. by research) under the supervision of the academic staff. The research laboratory is equipped with the necessary equipment to conduct Soil Science-related experiments.

The department also conducts knowledge dissemination programmes to communities outside the faculty including school children, teachers, extension officers, and farmers. In addition, the department operates a soil testing service for outsiders at a reasonable fee.

13.2 Academic Staff

Head of the Department Dr WMCJ Wijekoon

Senior Professors

Snr Prof SD Wanniarachchi

BSc Agric (Ruhuna), MSc, PhD (Guelph, Canada) (Soil Biology & Biochemistry, Soil Biogeochemistry)

Snr Prof (Ms) DAL Leelamanie

(Prof of Soil Science), BSc Agric (Ruhuna), MSc (Peradeniya), PhD (Tokyo, Japan) (Soil Physics, Soil Water Repellency, Soil & Water Conservation)

Professors

Prof (Ms) BC Walpola

BSc Agric (Ruhuna), MSc (Kelaniya), PhD (Chungnam, South Korea) (Soil Fertility, Soil & Environmental Chemistry)

Senior Lecturers

Dr WMCJ Wijekoon

BSc Agric (Ruhuna), MSc (Peradeniya), PhD (Kagoshima, Japan) (Environmental Soil Science, Soil Biology & Ecology)

Dr (Ms) SR Amarasinghe

BSc Agric (Ruhuna), MPhil (Open University), PhD (Saitama, Japan) (Environmental Science, Soil & Water Engineering, Waste Management)

Lecturers

Ms TDP Liyanage

BSc Agric (Ruhuna), MPhil (Ruhuna), Reading for PhD (Okayama, Japan)

Mr HIGS Piyaruwan

BSc Agric (Ruhuna), MPhil in Soil Science (Ruhuna)

Mr UI Samarawickrama

BSc Agric (Ruhuna), MSc (Colombo), Reading for MPhil (Ruhuna)

13.3 Courses offered by the Department of Soil Science

Course notation	Course Name	Status			Credits
		ARMT	ABM	GT	
SS12301	Fundamentals of Soil Science	C	C	C	3
SS21201	Soil, Plant and Environment	C	E		2
SS21202	Wetland Resources and Management	E	E	E	2
SS21203	Soil Fauna Ecology	E	E		2
SS21204	Geo-data Mapping and Analysis	E	E		2
SS22201	Soil Microbiology	E	E	E	2
SS22202	Potting Media in Container Gardening	E	E		2
SS22203	Soil Amendments and Risk Assessment	E	E		2
SS22204	Soil Bio physicochemical Dynamics		E	C	2
SS31201	Land Resource Management	C	E	E	2
SS31202	Tools for Environmental Studies	E	E	E	2
SS31203	Land-use Planning	E	E		2
SS31204	Soil Fertility Management	E	E		2
SS31205	Climate Change and Soil Gas Fluxes	E	E		2
SS32101	Field Practices in Soil Science	C	E		1
SS32202	Field Identification and Management of Soils	E	E		2
SS32203	Land Use and Environment Quality	E	E	E	2
SS32204	Data Interpretation and Communication	E	E		2
SS32205	Research Initiation and Publication Ethics	E	E		2
SS41201	Soil Physics	C			2
SS41102	Environmental Soil Chemistry	C			2
SS41203	Soil Ecosystem & Dynamics of Organic Matter	C			1
SS41104	Techniques in Soil Research	C			1
SS42601	Specialization in Soil Science (Research Study)	C			6

(Abbreviations used: ARMT-BSc Honours in Agricultural Resource Management and Technology, ABM- BSc Honours in Agribusiness Management, GT-BSc Honours in Green Technology, C-Compulsory course, E- Elective course)

14. Computer Unit

14.1 Introduction

The Computer Unit of the Faculty was established in 1991 as a separate unit. As per the new curriculum adopted by the Faculty, the Unit introduced computer awareness, information and communication technology, database management systems and rapid application development courses for undergraduates. In addition to those courses, the Unit facilitates all other 7 Departments to conduct soft skill development applications such as statistical application packages, geographic information systems and remote sensing (GIS and Remote Sensing).

The objectives of the current courses are to provide students with basic knowledge to use microcomputers, sound knowledge of working with application software and operating systems, Proper usage of internet services, database handling, simple application development and data analysis skills for their research in their future careers as a tool and media in work.

Further, Computer Unit facilitates undergraduate and postgraduate students of the faculty to use its resources for the study-related activities such as reference work, preparation of presentations, data analysis and thesis writing.

The Computer Unit is responsible for maintaining and upgrading fiber optic backbone departmental local area networks and wireless network of the faculty providing email, web and other internet services, maintaining and updating Faculty web site, maintaining web server, mail server, file servers and other servers. In addition, the Computer Unit provides technical support for

maintaining and repairing computer systems in the faculty.

The Computer Unit introduced the Learning Management System (LMS) in the faculty in 2007. Some examinations such as assignments and quizzes are offered online for the benefit of the students and, further, lecture materials are uploaded to the LMS. All other IT facilities such as internet and e-mail facilities of the faculty are provided by the Computer Unit. Moreover, each and every student is provided with an official email address with a view to ensuring effective communication among students and staff.

14.2 Academic Staff

Coordinator of the Unit

Dr ACP Priyankara

Professors

Prof MKDK Piyaratne

BSc Agric (Ruhuna), MSc Computer Science (Kelaniya), PhD (NWAUFU, China) (Eco Engineering in Pest Management)

Senior Lecturers

Dr KKL Adikaram

BSc (Ruhuna), MSc Computer Science (Colombo), PhD (Germany) (Natural Sciences)

Dr ACP Priyankara

BSc Computer Science (Colombo), MSc Geo Informatics (Colombo), PhD (Tsukuba, Japan) (Geo Environmental Sciences)

System Analyst cum Programmer

Mr DT Andrahannadi

BSc (Ruhuna), MSc (NWAUFU, China) (Computer Science)

14.3 Courses offered by the Computer Unit

Course notation	Course Name	Status			Credits
		ARMT	ABM	GT	
CC 10002	Computer Awareness (NGPA)	C	C	C	0
CC 11201	Information and Communication Technology In Agriculture	C	C		2
CC11203	Information and Communication Technology		E	C	2
CC 31201	Database Management Systems	E	E	E	2
CC 31202	Smart Farming Techniques and its Application	E	E	E	2
CC 32202	Programming Concepts and Computer Programming		E	E	2
CC32203	Data Science in Agriculture and its Applications	E	E		2

(Abbreviations used: ARMT-BSc Honours in Agricultural Resource Management and Technology, ABM- BSc Honours in Agribusiness Management, GT-BSc Honours in Green Technology, C-Compulsory course, E-Elective course)

15. Interdisciplinary courses

Subjects that cross traditional boundaries of the departmental disciplines are taught as interdisciplinary courses by the Faculty.

15.1 Interdisciplinary courses offered by the Faculty

Course notation	Course Name	Status			Credits
		ARMT	ABM	GT	
CC10001	General English (NGPA)	C	C	C	0
CC10003	Basic Mathematics (NGPA)	C	C	C	0
CC10004	Basic Statistics (NGPA)	C	C	C	0
CC10005	Career Development and Active Citizen (NGPA)	C	C	C	0
CC11202	English I (NGPA)	C	C	C	2
CC12101	Basic Technical Writing (NGPA)	C	C	C	2
CC12202	English II (NGPA)	C	C	C	2
CC32201	Applied Statistics I	C	C	C	2
CC32204	Time Series Data Analysis	E	E		2
CC32205	Multivariate Data Analysis	E	E		2
CC32206	Research Data Analysis	E	E		2
CC32207	Non -Parametric Data Analysis	E	E		2
CC41201	Technical Writing and Communication Skills	C	C		2
CC41202	Applied Statistics II	C	C	C	2
CC41203	Professional Development	C	C	C	2
CC42301	Internship	C	C	C	3

(Abbreviations used: ARMT-BSc Honours in Agricultural Resource Management and Technology, ABM- BSc Honours in Agribusiness Management, GT-BSc Honours in Green Technology, NGPA-Non-GPA courses)

Library

16. Library

16.1 Introduction

The Library of University of Ruhuna being a central research library in the southern region of Sri Lanka caters for a vast variety of communities in the country. The Ruhuna University Library has five branch libraries in addition to the Main Library, which serve the Faculty of Agriculture at Mapalana, Faculty of Engineering at Hapugala, Faculty of Medicine at Karapitiya, Faculty of Allied Health Science at Mahamodara and Uluvitike and Faculty of Technology at Karagoda Uyangoda.

Main Library located in the Wellamadama university premises which serves the communities of five faculties; Faculty of Humanities and Social Sciences, Faculty of Fisheries and Marine Science & Technology, Faculty of Science, Faculty of Management and Finance and Faculty of Graduate Studies. In addition to that services are provided for outside communities too.

Librarian (Actin)

Mr UA Lal Pannila, MSSc (Lib and Information Science)
2001, B.A (sp) University of Peradeniya, Sri Lanka

Assistant Librarian (Faculty of Agriculture)

Ms KAIM Amarasekara, BSc Agri (Hons) (Ruhuna),
MBS (Colombo), AMIM (SL), CMSLIM (SL)

16.2 Library Opening Hours

A description of hours of opening is given in the following table.

Description of the period	Days of opening	Hours of opening
Regularly	Monday to Friday	8.00 am to 7.00 pm
	Saturdays	8.00 am to 6.00 pm
	Sundays	Closed
Study Leave and Examination	Monday to Friday	8.00 am to 8.00 pm
	Saturdays and Sundays	8.00 am to 6.00 pm
	<i>The Library hours may be altered (shortened) during the vacation of the faculty. The library will be closed on public holidays and special holidays.</i>	

Note - Opening hours of library may be revised

16.3 Library Collections

The library consisted of sections for lending, reference, periodicals and special collections. In detailed descriptions of library collections are given below.

Lending Section

Lending section is located on the ground floor of the Library. Lending books as well as the scheduled reference books are kept in this section. Lending books are issued for a period of two weeks to undergraduates. If needed, the issuing period can be extended for another two weeks through the "ISURu" database. Scheduled reference materials are issued to students for overnight use. They can be borrowed between 3.00 p.m. to 5.00 p.m. and should be returned before 10.00 a.m. of the next day.

Reference Section

This section is located on the first floor of the Library. Permanent reference materials and the Quick Reference materials (such as encyclopaedias, dictionaries, glossaries and other valuable books) are housed in this section. They are intended strictly for reference within the library. Reading facilities are provided within the section.

Periodical Section

The Periodic section is located on the ground floor of the Library. The periodical section consists of different kinds of printed and online resources, such as; Journals obtained through exchange programmes, back volumes of printed journals, newsletters, online databases subscribed through Consortium of Academic Libraries of Sri Lanka (CONSAL).

Databases subscribed through Consortium of Academic Libraries of Sri Lanka (CONSAL)

1. Emerald
2. Taylor & Francis
3. SAGE Research Methods Online
4. Oxford University Press
5. Wiley online Journal

Printed materials available in the periodical section are meant to be used within the Library.

The Sri Lanka Collection (Ceylon room)

This collection is arranged in a separate room on the ground floor. The library materials, which are useful to obtain information on Sri Lanka, are arranged in this collection, such as;

1. Books written on various aspect of Sri Lanka
2. Government publications (Annual reports, statistical reports)
3. Copies of undergraduate theses, Master's and Doctoral theses of academic staff and students of the University of Ruhuna

4. Maps collection

Readers are not allowed to remove library resources from this collection.

Colour Plate Collection

Colour plate collection is located on the first floor of the library. This collection consisted of books with valuable colour images. Colour plate collection is kept in a locked glass cupboard in the Reference section of the library for careful preservation. Students need to make a request to use this collection.

16. 4 Library Resource Classification

The library materials in the University of Ruhuna Library are organized according to the Dewey Decimal Classification (DDC) system. DDC helps to arrange library materials by discipline. The main classes of DDC as follows;

DDC number	Discipline
000	Computer science and general works
100	Philosophy and psychology
200	Religion
300	Social Sciences
400	Language
500	Natural sciences and mathematics
600	Technology (Applied science)
700	Arts; Fine arts and decorative arts
800	Literature and rhetoric
900	Geography and history

16.5 Library Catalogue

An Online Public Access Catalogue (OPAC) is a computerized online database of all the resources held in the library. Users can use OPAC to search library materials available in the library. It can be accessed from the URL: isuru.lib.ruh.ac.lk. OPAC provides facilities to search library materials using keywords, title, author, subject, ISBN, series and call number.

16.6 Library Services

Ask a Librarian Service

Patrons may find the “Ask a Librarian” forum through the library website or library OPAC to get answered specific questions. Apart from that, patrons can explore answers for general questions through the FAQ pages that are available through the library website.

Skill Development Programmes

The Library of University of Ruhuna is currently conducting Information Literacy course modules in the Faculty of Fisheries and Marine Science & Technology, Faculty of Agriculture, Faculty of Engineering and Faculty of Medicine. The main purpose of these modules is to develop students' information literacy and library skills. Academic staff of the library

facilitates students throughout the course module with comprehensive theoretical and practical work. The library conducts student orientation programmes, training and support with information management through workshops and seminars.

Inter-Library Loans (ILL)

Any book and photocopies of research articles in journals, which are not available in the University of Ruhuna Library, but available elsewhere, could be obtained via interlibrary loan. Readers who wish to avail themselves of the faculty should use the application available at the Library Office.

Library Membership

Full membership of the library is available to all registered undergraduate and postgraduate students of University of Ruhuna. All students are required to register in the Library by applying on the prescribed form obtainable from the Library. They are required to produce their duly endorsed Student Identity Card and Record Book at the time of the registration. At the beginning of each academic year, undergraduate and postgraduate students spending more than one academic year are required to register in the Library by revalidation of membership.

Borrowing Library Resources

With the exception of certain categories (i.e. Permanent reference materials, dictionaries, atlases, books under special collections etc.) all other books may be borrowed. The University Identity Card with barcode must be produced when borrowing books. Books may be borrowed before 5.00 pm Details about the number of books can be borrowed is given in the following table.

Degree programme and Level	Lending books	Reference books	Electronic media
Level I	03	01	01
Level II	03	02	01
Level III	04	02	01
Level IV	05	02	01
Postgraduate	01	01	-

Returning Library Resources

Borrowed books must be returned by 9.00 am on the due date. Borrowers remain responsible for books, which are issued to them. If an issued book is lost or damaged, the matter should be reported to the library immediately. Borrower has to replace it with a new copy of the same edition or subsequent edition within the specified period date. If the book is not available in the market, the borrower will be charged for the replacement cost of the book and a processing fee of 25% from the value of the book.

All library resources borrowed must be returned and all outstanding fines must be paid when a student leaves the university. Users who fail to fulfil their obligations may have their degree certificate withheld until they return the borrowed resources and pay the fine.

Fines and Payments

A fine of Rs.1.00 per day will be imposed in respect of each lending book not returned by the due date. A fine of Rs. 3.00 will be imposed in respect of reference books. All payments should be made to the Shroff counter of the Faculty.

Learning Resources

17. Learning Resources

17.1 English Language Teaching Unit

The main English Language Teaching Unit (ELTU) of the university located in the Faculty of Humanities and Social Sciences is common to all faculties of the University. A full-time English Instructor from the ELTU is attached to the English Unit of the Faculty of Agriculture (EUFA). At present Ms Piyumi Samarawickrama (BA (Kelaniya), MHRM (Kelaniya), Reading MA in linguistics (Kelaniya)) is working as the English Instructor. The EUFA forms an integral part of the academic activities of the faculty. Objectives of the English Unit are to equip the graduates with necessary language skills required for effective learning and communication. Two kinds of teaching programmes as follows are undertaken by the English Unit (EUFA).

Upon the entry of the new students into the faculty, the EUFA conducts General English during their eight-week orientation programme. During this period, the students will be experienced in both theoretical and practical aspects of English Language, and at the end of the programme, students have to pass the General English subject.

During their first year of the academic programme, the students will learn English further as a Compulsory non-GPA course that covers both the advanced theoretical and practical aspects of English Language.

In order to obtain the BSc ARMT or BSc ABM or BSc GT degree it is compulsory that students pass Level I Examination in English. Upon the successful completion of the Level I, Level II and Level III English Examinations, a Certificate in Proficiency in English is issued by the University.

The English unit possesses basic audio-visual materials, equipment and reading materials. The coordinator of the English Unit is appointed by the faculty board and at present, Dr (Ms) PABN Perumpuli, a Senior Lecturer attached to the Department of Food Science and Technology is working as the coordinator.

17.2 UTEL (University Test of English Language)

UTEL, which has been introduced to the University system, is rather equivalent to the format of IELTS (International English Language Testing System), since the student is tested on all four components (Listening, Speaking, Reading and Writing). The students who achieve UTEL 5 or above from the Listening and Reading tests are eligible to attempt the Speaking and Writing tests. Reading and Listening tests are conducted as online components while Speaking and Writing components are conducted as conventional university speaking and writing exams.

17.3 Computer Unit

At present the unit has around 70 fully networked computers and infrastructure facilities with lab space for 150 computers. Currently the unit provides services for 750 undergraduates, 100 postgraduates and the 80 staff members. The unit maintains several servers including Web Server, Email Server, Proxy Server, Student Login Server, Student File Server, Antivirus Management Server, Network Monitoring Server, Learning Management System Server and Management Information System Server. In addition to the wired network system, the Unit provides WiFi facility for all staff members and students.

Opening hours

Days of opening	Hours of opening
Monday to Friday	8.00 am to 4.00 pm
Saturdays	8.00 am to 4.00 pm
Sundays & Poya days	Closed

17.4 Learning Management System (LMS)

Learning Management Systems (LMS) of the Faculty has been used for online teaching and learning purposes since 2007. All students and staff members are provided usernames and passwords to log in to the LMS. Teachers can use the system to create online quizzes for examinations, upload their lecture notes, create assignments, conduct teacher and course evaluations online, display news for students, etc. Students can enjoy all these facilities through their login accounts. After logging on to the LMS, students can access all course units in which they are enrolled. By default the LMS is organized in the weekly format for all learning materials. Students are advised to check the relevant course module for any updates of quizzes, lecture materials or any other news items

In parallel with the LMS, students are provided official faculty email addresses with the domain of @agristu.ruh.ac.lk. The faculty uses these student email addresses to communicate with students for all administrative and academic purposes. Students are highly advised to use the faculty email addresses in order to receive all communications done by the academic and administrative staff.

17.5 Management Information System (MIS)

Introduction

The MIS of the Faculty of Agriculture is meant to assist management of the Information System of the Faculty. Users of the MIS (Students, Dean, Heads of Departments, Lecturers, Deputy Registrar, Academic Supportive staff and Non-academic staff) can perform various different tasks. Every user is assigned a user name and a password to log-in to the system. Students must change the given temporary password at the first time they login to the system. All students must use MIS to register for course units and examinations in every semester. Registered students can view their own course units, attendance of classes, eligibility for examinations, results and notices etc. Changes in course unit registrations are allowed within the specified time limit at the beginning of the semester. All students must complete and update their personal information page.

Registration for Course Units and Examinations

Registration process for course units starts before the beginning of the new semester and the date and time duration (generally two weeks) will be announced by the Dean's office. After completion of registration, students will be given another one week for any changes of their courses, and after the deadline, students are not allowed to change registered Course Units. ***Students who did not register for Course Units during the given period are not allowed to register for examination*** of those course units.

Registration process for the examination starts at the end of the semester and all students are advised to register for examinations before the deadline as the dates are announced by the Dean's office. Students can register for examinations of registered Course Units only. A student who registered for a repeat examination should submit the relevant paying voucher to the Dean's office to obtain the confirmation. After the registration for examinations is completed, the eligibility for each course unit, which depends on the percentage of attendance (80%) and marks obtained for the mid semester examinations (continuous assessment) will be displayed in the system. It is the responsibility of the student to register for course units and examinations in every semester. Registration for Course Units and examinations will be confirmed by the Dean's office and the confirmation of each Course Unit can be seen in the system. This confirmation indicates that the registration is successful. If any Course Unit is not confirmed, the students are advised to contact the Deputy Registrar at the Dean's office.

Access to the MIS

Students can access the MIS through the Faculty web site (www.agri.ruh.ac.lk), click the link MIS in the

Faculty home page) or directly go through the link <http://paravi.ruh.ac.lk/foagmis>.

17.6 The Research Farm

The Faculty Research Farm at Mapalana encompasses about 65 acres of the land area adjacent to the faculty premises which consists of about ten acres of coconut, nine acres of cinnamon cultivation, five acres of paddy lands, five acres of grassland, substantial area covers by different fruit crops including banana, mango, pineapple, papaya and durian, different spice crops and forest reserves. In addition to the cultivated area, there are about 17 acres of fallow forest cover, which was used in the past and kept for future development. The infrastructure of the farm, irrigation facilities and the terrain provides a conducive environment for the research studies for all kinds of crops and forestry.

The nursery of the Faculty Farm produces a vast array of planting materials for the sales outlet located at the entrance of the Faculty premises to cater for the increasing demand for planting materials. The floriculture unit which consists of two orchid houses is another business venture of the faculty farm.

The poultry unit which consists of both broiler and layers is a significant business venture of the faculty farm and recently the poultry units have been constructed with modern facilities to facilitate the academic programmes and to cater for the increasing demand for poultry products.

Cattle and buffalo herds provide facilities for practical programmes of the animal husbandry courses while producing a significant amount of milk. The milk yield is used to produce yoghurt, curd and ice cream which is mainly used to sell at the sales outlet. The goat unit consists of about 25 animals and the newly constructed piggery unit are the important business venture of the faculty farm.

Automated four protected houses to cultivate vegetables, especially salad cucumber and bell pepper which is jointly managed with the Dialog Axiata Ltd. provides practical training of modern agriculture and research opportunities in a controlled environment. Newly established vegetable land with modern irrigation facilities provides training and experience on modernized agriculture. The Compost unit established with the assistance of the 'Pilisaru' project of the Ministry of Environment produces composts using the farm waste. At present, the farm management team is planning to modernize the farm with new business ventures; agro-tourism, tea land in collaboration with Sri Lanka Tea Board, Plant nurseries in collaboration with the Department of Export Agriculture and Rubber Research Institute and modernized sales unit and food

processing. Also, more partnership projects have been planned to implement modern technology for the faculty. The market outlet at the entrance of the faculty premises is used to sell the farm products to the students, staff and the general public. The farm aims to provide practical training, research and demonstration, income generation and extension to address the problems of farmers in the area. In addition to the faculty farm, the faculty of agriculture is managing 30-acre land at Gamudawa site of Bibulawela as a Partnership Project with the private sector to facilitate the student's training and research.

Chairman of the Farm Development Committee Snr Prof LM Abeywickrama Department of Agric Economics)

Farm Manager

Mr Ravindu Perera BSc Agric (Ruhuna), Reading for MPhil (Ruhuna)

17.7 Meteorological Station

A well-equipped meteorological station with automated equipment is maintained by the Department of Agricultural Engineering for teaching and research activities. Data recorded in the station is available at a reasonable fee.



The layout of the Faculty Farm

Gold Medals and Awards

18. Gold Medals and Awards

18.1 Gold Medals

Gold medals are awarded to the students who achieve the most outstanding academic records. These medals are funded by various foundations and individuals. Gold medals are presented at the general convocation of the University of Ruhuna. There is no monetary award associated with the medals.

Gold Medals for Agricultural Resource Management & Technology Degree

1. **Dr SK Charles Memorial Gold Medal** is awarded by Mrs MP Gunawardena to the graduate who obtained the highest GPA for all the compulsory courses at the final year of the BSc Honours in Agricultural Resource Management & Technology honours degree.
2. **Upali Wijewardhana Memorial Gold Medal** is awarded by the Upali Foundation to the graduate who obtained the highest overall grade point average with First class or Second class Upper division honours for the degree of Bachelor of Agricultural Resource Management & Technology honours.
3. **Professor YDA Senanayake Gold Medal** is awarded by Professor YDA Senanayake to the graduate who obtained the highest Grade Point Average for all the compulsory courses offered by the Department of Crop Science in all the examinations of the BSc Honours in Agricultural Resource Management & Technology degree.
4. **DHE Mohotti Memorial Gold Medal** is awarded by Dr JE Mohotti to the graduate with the best performance in the third year second semester examination of the Degree of the Bachelor of the Science of Agricultural Resource Management & Technology.
5. **Mallika De Mel Gold Medal** is awarded by the Ronnie De Mel Trust Fund to the graduate who obtained the Degree of Bachelor of the Science of Agricultural Resource Management & Technology with First Class Honours securing the highest Grade Point Average.
6. **Dr PSJW Seresinhe Memorial Gold Medal** is awarded by Senior Professor (Mrs) RT Serasinhe and children to the graduate who obtained the highest marks for the Field and vegetable crop production course in the third year second semester of the Degree of Bachelor of the Science of the Agricultural Resource Management &

Technology and obtaining the highest GPA for all the compulsory courses offered by the Department of Crop Science at the final year first and second semester examinations.

7. **WG Don Kirigoris Appuhami Memorial Gold Medal** is awarded by Professor PW Epasinghe and Mrs Nanda Epasinghe, to the graduate who obtained the highest grade point average for all the compulsory courses offered by the Department of Agricultural Biology at the final year examinations of the degree of BSc Agricultural Resource Management & Technology and graduated with First class honours.
8. **Mr and Mrs Rajapakse Memorial Gold Medal** is awarded by the DA Rajapakse Commemorative Oration Organizational Committee to the graduate who specialized in the field of Agricultural Engineering for the Degree of Bachelor of the Science of Agricultural Resource Management & Technology obtaining the highest Grade Point Average all the subjects offered by the Department of Agricultural Engineering and Passed with First Class Honours.
9. **Gold Medal awarded by the Academic Staff of the Department of the Soil Science, University of Ruhuna** to a student followed Bachelor's Degree in Agricultural Resource Management and Technology programme, who has Specialized in Soil Science following all the compulsory courses and more than 50% of the elective courses offered by the Department of Soil Science, obtaining the highest Grade Point Average (GPA) for all the compulsory courses offered by the Department of Soil Science including the specialization programme at the first attempt and graduated with a First Class or a Second Class Upper Division Honours.
10. **Gold medal offered by the Academic Staff of the Department of Food Science and Technology of the University of Ruhuna** to a student followed Bachelor's Degree in Agricultural Resource Management and Technology programme, who has specialized in Food Science and Technology following all the compulsory courses offered by the Department of Food Science and Technology, obtaining the highest GPA for all the compulsory courses offered by the Department of Food Science and Technology at the final year examination, and highest overall GPA among graduates specialized in Food Science and Technology at the first attempt and graduated in 2020 with a First Class or Second Class Upper Division Honours.

11. **Thrift and Credit Cooperative Society of the University of Ruhuna (SANASA) Gold Medal** is awarded to the graduate who obtained the first class honours for the degree of BSc Honours in Agricultural Resource Management and Technology and who obtained the highest grade point from the sum of grade point average for the field practices in Agricultural Engineering course in the Third year second semester and grade point average for all the courses offered by the Department of Agricultural Engineering at the final year first and second semester examinations (first attempt).

12. **Thrift and Credit Cooperative Society of the University of Ruhuna (SANASA) Gold Medal** is awarded to the graduate who specialized in the field of Agricultural Engineering, for the degree of Agricultural Resource Management and Technology, obtaining the highest grade point average for Applied Agricultural Engineering and Environmental Technology course (EN3201) in the third year second semester, Internship (CC4201) and the research project (EN4201) in the final year second semester and passed with first class honours (first attempt).

Gold Medals for Agribusiness Management Degree

Professor Mahinda Wijeratne and Professor Vinitha Wijeratne Gold Medal is awarded by Professor Mahinda Wijeratne and Professor Vinitha Wijeratne to the graduate who obtained the Degree of the Bachelor of the Science of Agribusiness Management with the highest grade point average, being successful entire subjects at the first attempt and passed with First Class Honours.

Gold Medals for Green Technology Degree

1. **Thrift and Credit Cooperative Society of the University of Ruhuna (SANASA) Gold Medal** is awarded to the graduate, who obtained the highest grade point average with first class honours for the degree of BSc Honours in Green Technology (First attempt).
2. **Thrift and Credit Cooperative Society of the University of Ruhuna (SANASA) Gold Medal** is awarded to the graduate, who obtained first class honours for the degree of BSc Honours in Green Technology, obtaining the highest grade point average for Internship (CC4201) and final year

research project (EN4201) in the final year second semester.

18.2 Vice-Chancellor's and Dean's Awards

Vice Chancellor's and Dean's Awards are awarded annually to the students with the best overall performances in each Faculty under the approved marking scheme. These awards are funded by the University and administered by the office of the Deputy Vice-Chancellor with the collaboration of Deputy Senior Student Counselors of the faculties and assistance of the Examination and the Student Affairs branches.

Dean's Awards

The best five students in each batch from each faculty are selected under the approved marking scheme. Dean's award is awarded to the best student in each batch, a certificate of achievement and a cash prize of Rs.10, 000.00 is awarded annually at an award ceremony held at the faculty and others are included in the Dean's list and a certificate of achievement is awarded.

Vice-Chancellor's Awards

Students of the graduating batch are eligible for the Vice Chancellor's Award. The best overall student who completed the degree from each faculty is selected under the approved marking scheme and a Gold Medal and a certificate of achievement are awarded at the General Convocation.

The other two students who are top in the list under the approved marking scheme from each faculty are selected and included in the Vice Chancellor's list. The names are announced at the relevant Faculty Board and a certificate of achievement is awarded at an award ceremony held at the Faculty level.

Application Procedure

- Students shall apply for the awards using the application forms issued by the University. Application forms shall be available at the Dean's office and can also be downloaded from the University website.
- Students shall submit certified copies of all relevant certificates as documentary evidence attached to their applications.
- Students shall submit their applications through their Mentors/Academic Advisers who shall certify the contents of the applications.
- Students shall prepare and participate in interviews if the selection panel requests.

Eligibility requirements

- The students obtaining an average GPA required for a Second Class Upper Division or above in the first attempt of the relevant examination of the courses of study in each academic year will be eligible for an award.
- Any student who has had disciplinary action taken against him/her by the University and warned (in writing) by the Vice Chancellor or Deputy Vice Chancellor as found guilty for any misconduct shall not be eligible for an award.
- The overall score achieved by the applicant shall be 70 marks or above for the Vice Chancellor's Award/ List and 65 marks or above for the Dean's Award/ List

Ineligible Students

Any student who has been punished by the University and/or warned (in writing) by the Vice Chancellor or Deputy Vice Chancellor as found guilty for any misconduct shall not be eligible for an award.

Criteria of selection

- **Marks for academic achievements (Maximum 60 marks)**
 - The applicant who has the highest GPA above or equivalent to the required GPA for the First Class shall be given 60 marks. Other students shall be given marks which are scaled-down according to their GPA
 - **If no applicant satisfied the above condition, 60 marks shall be assigned for the required GPA for the First Class and the other eligible students shall be given marks which are scaled-down according to their GPA.**
 - The average of GPA obtained at each examination of a relevant academic year shall be considered separately for dean's awards. The overall GPA obtained for all examinations shall be considered separately for the vice chancellor's awards.

- **Marks for sports achievements (Maximum 20 marks)**

Description	Marks
World University games/ International games (Olympic, SAAC, Asian games etc.)	
First place	20
Second place	15
Third place	10
Participation for an event (Max. up to 10 marks)	5
National Games	
First place	10

Second place	8
Third place	6
Participation for an event (Max. up to 6 marks)	3

Inter University Games

First place	6
Second place	5
Third place	4
Participation for an event (Max. up to 4 marks)	2

Provincial Games

First place	4
Second place	3
Third place	2
Participation in an event (Max. up to 2 marks)	1

Inter Faculty Games/ District Games/ University Recommended Invited Games

First place	1.5
Second place	1
Third place	0.5

University Fresher's Meet

First place	1
Second place	0.75
Third place	0.5

University Colours/ Best

Athlete/ Player of the Year	2
------------------------------------	---

Post of President/ Vice

President/ Secretary/ Junior	1/position/year
------------------------------	-----------------

Treasurer/ Editor of Sport

Council/ Captain of a University

Sport Team

Vice-Captain of a University	0.5/position/year
------------------------------	-------------------

Sport Team

- **Marks for extra-curricular activities other than sports (Maximum 20 marks)**

Description	Marks
Post of President/ Vice President/ Secretary/ Junior Treasurer/ Editor of Student Unions/ Societies/ Associations	1/position/year
International Level Competition and Awards	
First place	10
Second place	8
Third place	6
Participation for an event (Final round)	3
National Level Cultural Events/ Talent Shows/ Invention and Innovation and Awards or equivalent Event (Stage Drama/ Movies/ Dancing/ Singing/ Painting/ Photography etc.)	
First place	5
Second place	4
Third place	3

Participation for an event (Final round)	1.5
University Approved Events (Competition/ Orator/ Singing/ Dancing/ Drama/ Poetry/ Writing/ Script Writing/ Invention and Innovation etc.)	
University Level	
First place	5
Second place	4
Third place	3
Faculty Level	
First place	2
Second place	1.5
Third place	0.5
Recipient of Patent	8
University Approved Event Organizing	0.5
Inter University	
First place	6
Level Competition/	
Second place	5
Awards	
Third place	4
Approved University Representation at International Forum/Event	5
Paper accepted/ Presented at any accepted conference/ Symposium	3

Publication of Books/ Holding of Individual Exhibition (painting/arts/ handcrafts etc.)	2
Contribution to Official Function of the University	0.5

Special notes:

If the overall score achieved by two or more candidates of the same Faculty for the Vice Chancellor's Award is identical, the special panel consisting of Deputy Vice Chancellor and Deans of Faculties shall re-evaluate the applications and interview the candidates to select the Best Student.

The final recommendation to the Senate for Vice Chancellor's Awards/List should be made by the special panel consisting of Deputy Vice Chancellor and Deans of Faculties.

Council approval should be obtained on the recommendation of the Senate for the nominees of the Dean's Award/List and Vice Chancellor's Award/List.

Sports and Recreation

19. Sports and Recreation

19.1 Physical Education Unit

Activities pertaining to the sports at the University are conducted by the Department of Physical Education, which is located at the Wellamadama Campus. The Department is governed by a sports advisory board which consists of officials of the department and two academics from each of the Faculties.

The Faculty representatives of the sports advisory board of the University of Ruhuna are appointed by the Faculty Board and at present, Prof. (Ms) GC Samaraweera and Dr. CJ Gajaweera, attached to the Department of Agric Economics and Department of Animal Science respectively, work as the Faculty representatives of the sports advisory board of the University of Ruhuna.

The main aim of the Physical Education Unit is to produce graduates with good physical and mental standing who possess good leadership qualities and obey common decisions and the law of the nation. To fulfil the above aim, the department conducts many physical education and sports activities.

Staff of the Department of Physical Education

Director

Mr PN Weerasinghe
Bcom (J'pura), DipIn Sports

Instructor for Faculty of Agriculture

Mr GW Jayantha
BA Mass Media Spec. (University of Colombo), LLB (Reading): (Open University of Sri Lanka)

Faculty representatives to the sports advisory board

Prof GC Samaraweera (Agric Economics)
Dr. CJ Gajaweera (Department of Animal Science)

19.2 Sports Facilities

There are numerous student sports activities organized by the Physical Education Department, including both indoor and outdoor sports. A gymnasium with training facilities is located in the Wellamadama Campus for indoor sports which has seating capacity for 3000 spectators.

At present University provides the facilities for the following indoor sports:

1. Badminton (Men & Women)
2. Basketball (Men & Women)
3. Carrom (Men & Women)
4. Chess (Men & Women)
5. Karate (Men & Women)
6. Netball
7. Table Tennis (Men & Women)

8. Taekwondo (Men & Women)
9. Volleyball (Men & Women)
10. Weight Lifting (Men)
11. Wrestling (Men)

Outdoor sports facilities are provided to students at Wellamadama Campus grounds. When facilities are not available, the University provides support for students to practice the sport of their preference by providing facilities available elsewhere. Following outdoor sports facilities are made available free of charge to all university students.

1. Athletics (Men & Women)
2. Baseball (Men)
3. Cricket (Men)
4. Elle (Men & Women)
5. Football (Men)
6. Hockey (Men & Women)
7. Rugger (Men)
8. Road Race (Men)
9. Swimming (Men & Women)
10. Tennis (Men)

The Faculty provides sport facilities including the main playground, Volleyball court, Basketball court and fitness Gymnasium. In addition, there is a common room for the students with indoor game facilities such as Table Tennis. Many more developmental works for making the working atmosphere a pleasant one for the students are underway.

There are annual sports events such as Inter-Faculty and Inter-University tournaments. In addition to these, two weeks long University Sports Festival called Sri Lanka University Games (SLUG) is held at a selected University once in every 3 years. In 1998 University of Ruhuna hosted 6th SLUG and in 2019 from 26th August to 7th September again University of Ruhuna hosted for 13th SLUG. Students are also encouraged to participate in the World University Sports Festival which is held once every two years. The Department also organizes many sports events in collaboration with sports bodies in the country.

All the necessary assistance is given to students for their training for representing the Faculty and University at sports. At the end of each year a Colors Award Ceremony (Colours night) is held to recognize the achievements of students at sports.

Facilities Given by the Department of Physical Education:

- Subsistence of Rs.500/= for each person per day for participation of Inter University Championships.
- T-shirts for University team members on 20% discount, if somebody will represent more than one sport, it will be free of charge.
- Provide some facilities & equipment to University team members.

Eg: Track & field – Running shoes, Jumping shoes
Football/Hockey/Rugger/Cricket/Wrestling- Boots
Badminton/ Table Tennis - Rackets

- Refreshment (Rs.50/=) for each University pool player per day after completion of the practice sessions.
- Provide transport facilities to Wellamadama complex from other faculties (Agriculture/Medicine/Engineering etc.).
- Hostel facilities for University team members

19.3 Social events of the students

The Faculty of Agriculture has several traditional social events in its annual agenda. These are memorable occasions of the students' life in the Faculty and have been safeguarded even during the periods of civil unrest.

Freshers' Welcome

On the first day of registration, the new students with the accompanying parents are given a welcome at the Faculty by the staff. The second year students who are immediate seniors, accept the new students to the Faculty by organizing a Freshers' Welcome named "Agro Planting Nite". All the students and the staff of the Faculty take part in this event.

Final Year Going Down Party

This event celebrated as the "Agro Harvesting Nite" is organized by the batch of students who are immediately junior to the batch that has passed out from the Faculty. It gives an opportunity for the present and the past students to meet with the staff and share their experiences. A prominent person in the field of agriculture or higher education is usually invited as the chief guest.

Other Social events

The Student Union and other societies of the Faculty organize a number of exciting social and leisure events annually such as Dana ceremony, celebration of Sinhala/Hindu New Year and other festivals, art festival, mini sports events etc. which sharpen the wide range of abilities of undergraduates.

Student Counseling and Welfare Services

20. Student Counseling and Welfare Services

20.1 Student Affairs Branch

There is a Student Affairs Branch at the university to look after the needs of the students outside their courses. It is located on the second floor of the administration building at Wellamadama Campus. It will provide information on student admission and welfare facilities available at University of Ruhuna. The branch is responsible for handling issues relevant to the wellbeing of students such as Mahapola Scholarships, Bursaries, other scholarships, student hostel facilities, cafeteria facilities and many other facilities and services. It also supervises and facilitates student unions, societies and associations as well.

20.2 Financial Assistance

Financial assistance to the students entering this University may be categorized as follows:

1. Mahapola scheme
2. Bursary scheme
3. Endowed scholarships and other scholarships

Mahapola Higher Education Scholarship Scheme

Mahapola Scholarships are awarded to students on their performance at the GCE (A/L) Examination, on the result of which admissions to the University are based and also on the district basis. Selections are made by the University Grants Commission which categorizes the awards. Mahapola Trust Fund is responsible for awarding these scholarships.

The two categories of Mahapola Scholarships are as follows,

1. Merit scholarships
2. Ordinary scholarships

Payments are made in 10 installments per academic year and a student receives a sum of Rs.5050/- or Rs.5000/- per installment as merit or ordinary scholarship. The scholarship can be suspended or cancelled when a student's work, conduct or attendance is unsatisfactory. The eligibility to receive the installment is aligned with the recommendation of the Dean of the faculty. An absolute majority of students in the Sri Lankan Universities are supported by this scheme which is a unique feature of higher education in Sri Lanka.

Bursaries

Bursaries are awarded to eligible students who do not receive Mahapola Scholarships. The applications for bursaries are received by the Students' Welfare Branch of the University. The students who satisfy the eligibility

criteria given in the University Grants Commission Circular 3/2019, will be awarded the Bursary scholarships

Payments are made for maximum 10 installments per academic year and all selected students will be entitled to receive Rs.4,000/=. The bursary may be suspended or cancelled when the student's work, conduct or attendance is not satisfactory.

Endowed Scholarships

Other than the Mahapola and Bursary scholarships, students of the University can apply for financial assistance from the several scholarship schemes established by individual donors. Applications are invited by the Student Affairs Branch for every academic year and selection will be done by the Scholarship Committee of the University. The details of other personal scholarships can also be obtained from Student Welfare Branch.

Viru-Sisu Memorial Scholarship Foundation

This is an organization established for supporting the undergraduates studying at the Faculty of Agriculture, University of Ruhuna with financial difficulties. Applications are invited annually and 5-6 students are selected. The maximum of 40 installments are issued for a selected student. Eligible students are selected through the careful screening process.

20.3 Medical Center

Free OPD treatment to the students is provided by the Medical Centre of the Faculty. They should provide their record books or ID cards when calling at the Center. No facility of the center will be provided without the record book or ID card. Treatment is free of charge to students during their normal academic sessions and during their examinations. Doctor is available from 9.00am to 2.00 pm. A qualified nurse is working in the center from 8.30am to 4.30 pm.

More serious cases are referred to the Kamburupitiya Base Hospital at Andapana or to the General Hospital in Matara. The students can also consult the University Medical Officers at the main University premises, which is located in a building close to the Department of Physics.

20.4 Student Counseling Service

The University Counseling Service offers free, confidential support to students' registered at the Faculty. The aim of student counseling is to provide

assistance and guidance to students to solve problems in order to continue with the academic activities in a pleasant environment by improving the confidence and talents. The students of the Faculty of Agriculture have the opportunity to consult student counselors regarding problems associated with academic activities, difficulties in the new environment and personal problems

All complaints and consultations are kept strictly confidential. Following Lecturers have been appointed as the committee of student counselors.

Deputy Senior Student Counselor

Dr (Ms) Amani Mannakkara (Senior Lecturer /Dept. of Agric Biology)

Student Counselors of the Faculty

Prof (Ms) GC Samaraweera (Professor/Agric Economics)

Dr (Ms) MAPDP Wicramaratne (Senior Lecturer/Agric Economics)

Dr (Ms) Anuga Liyanage (Senior Lecturer/Agric Biology)

Dr (Ms) Dananjali Mekhala Gamage (Senior Lecturer/Agric Biology)

Dr (Mrs) SR Amarasinghe (Senior Lecturer/ Soil Science)

Dr (Mrs) NDN Priyadarshani (Senior Lecturer/ Crop Science)

Dr Dushan Kumarathunge (Senior lecturer/Agric. Biology)

Mr UI Samarawickrama (Lecturer/Soil Science)

20.5 Academic Counseling Service

The Faculty at the moment is maintaining an effective academic counseling service for the benefit of students. The academic counseling provides necessary guidance for students to select courses from the very beginning of the academic programme.

Accordingly, eight academic counselors have been appointed with one staff member from each Department/Unit.

Dr (Ms) Dananjali Mekhala Gamage (Agric Biology)

Prof. AL Sandika (Agric Economics)

Dr BMS Jinendra (Agric Engineering)

Prof (Mrs) NMNK Narayana (Animal Science)

Prof MKDK Piyaratne (Computer Unit)

Dr (Mrs) KMC Fernando (Crop Science)

Dr (Mrs) PABN Perumpuli (Food Science & Technology)

Prof (Mrs) BC Walpola (Soil Science)

20.6 Mentoring Service

Undergraduate mentoring service was started at the Faculty to as a part of a supportive service to students and to identify student's problems at an early stage in the University career. In this service each student is

assigned to an academic staff member of the faculty for providing guidance and advice for the successful University career. Students are advised to meet their mentors at least twice a semester.

21.7 Hostel Facilities and Policy

The faculty maintains six hostel units with accommodation facilities for 33 each, eight hostel blocks to accommodate 30 for each and the newly constructed female hostel to accommodate 400 students within the faculty premises. At present, the faculty provides hostel facilities for all boys and girls who are eligible for hostel facilities.

In addition, post-graduate students are also allowed to stay in the hostels at their request. The students who wish to seek such accommodation may contact Deputy Registrar- Agriculture or Sub Wardens. A housing complex with 15 houses and two bachelor quarters with a total of 11 rooms are also available in the faculty premises to provide accommodation to deserving academic and non-academic staff of the faculty. In order to provide accommodation to the faculty visitors, faculty runs one Guest House with 4 rooms within the faculty premises.

Sub Warden for Boys Hostels

Mr Jayantha Vitharana –BSc Agric (Ruhuna)

Sub Warden for Girls Hostels

Ms Champika Dolamulla - BA (Econ Special), MA (Economics)

Academic Wardens

Prof S Geekiyanage, Professor, Department of Agric Biology

21.8 Canteen Facilities

There are two main canteens in the faculty run by outside vendors who are selected by a Tender Board after calling Public Tenders. One canteen (for staff) is located in the building, beside the Faculty gymnasium. The other canteen (for students) is located beside the new auditorium.

In these canteens, meals are available at concessionary rates. Daily, about 800 students and staff members are benefited by this service.

21.9 Farm Sales Outlet

There is a farm products sales outlet in the Faculty. High quality, chemical free farm products such as vegetables, fruits, nursery plants, organic fertilizer, eggs, yoghurt, curd, fresh milk, ice cream are available at the outlet which is located at the main gate.

Career Guidance Unit

22. Career Guidance Unit

22.1 Introduction

The Career Guidance Unit of the University of Ruhuna was established in March 2000, to provide career guidance services to the undergraduates. The unit is responsible for assisting students to realize their competencies and creativity, provide them with appropriate training to enhance their employability and guide them to make optimum decisions on educational and occupational choice in order to achieve the future goals of their personal life, academic and professional career in the challenging world. Accordingly the Career Guidance Unit has implemented various programmes to make the undergraduates aware of the employment opportunities available, the qualities expected by the employers, and the way of acquiring the skills and the knowledge necessary for responding to the job market needs.

Further, the unit has built up continuous links with the private sector as well the government institutions to facilitate productive interaction between the undergraduates and such institutions.

The unit comprises a Director, Faculty career Advisors and Career Guidance Counsellors.

22.2 Faculty Career Guidance Unit

The Faculty of Agriculture considered the career development as a significant area of undergraduate education since it is an enduring process of skill acquisition and building through a continuum of learning, development and mastery. Considering this, the Faculty has introduced a course in career development into the curriculum of the orientation programme as a non GPA compulsory course for all students. At present, career guidance activities of the Faculty are organized in collaboration with the career guidance unit, University of Ruhuna under the supervision of Faculty advisor to the Career Guidance Unit of University of Ruhuna. Accordingly faculty offering the UGC approved certificate course for Soft Skill Development. Further, all career guidance activities are planned, modified and scheduled according to the various types of requests made by students and suggestions made by stakeholders. These activities are conducted with a view to creating personality rich, superior quality graduates at the end

of their four years of training in the three degree programmes.

Faculty Adviser to the Career Guidance Unit

Dr (Ms) MAPDP Wickramaratne, Senior Lecturer attached to the Department of Agricultural Economics is the Faculty Adviser to the Career Guidance unit at present.

Students' Union

23. Student Unions and Societies

23.1 Student Union

According to the amended University act of 1988, section 26, students of each Faculty can form a Faculty Union composed of all students of the Faculty. The legally accepted student union of the Faculty is the Faculty of Agriculture Student Union which is appointed for every academic year. The main objective of this union is to promote academic actions, to safeguard the rights of the student population, to work for the achievement and welfare of the students and the faculty.

The faculty student union consists of the following office bearers.

- President
- Vice President
- Secretary
- Editor
- Junior Treasurer
- Members (the number decided on the basis of the number of registered students in the Faculty).

University student union consists of its office bearers and the members of each Faculty student union.

23.2 Student Societies

In addition to the Faculty Student Union, there are other registered societies. The students can form societies for the purpose of academic and social objectives with the approval of University authorities. The patron of each society is a permanent academic staff member of the Faculty of Agriculture. The names of the student societies function at the Faculty and their objectives are as follows.

Agricultural Journalism Society:

- Enhance the scientific and general writing skills of the undergraduates
- Enhance the agricultural extension services by means of electronic and printed medias

Ruhuna University Soil Science Club:

- Popularize the advancement of soil science and its related topics among undergraduates and academics of the Faculty of Agriculture, University of Ruhuna.
- Organize activities for its members and to share the research experiences and innovations among the members.
- Identify the nationally important soil-related issues and encourage the membership to look for resolutions for soil associated problems especially

for the betterment of the Agriculture sector in Sri Lanka.

Sports Society:

- Provide a healthy sporting habit among the students.
- Helps to learn teamwork at work, coordination among diverse cultural & ethnic groups
- Teach the value of time, precision & competitiveness as the major learning points apart from communication, coordination & teamwork.

Media Unit:

- Enhance skills and knowledge on ICT, photography and announcing of the undergraduates.
- Cover all special occasions of the Faculty
- Connect Faculty with media institutions

Ruhuna Agribusiness Association:

- Provide a forum to discuss the issues of agro-entrepreneurs and agribusiness
- Give knowledge and experiences about the existing business environment and create new business ventures
- Support the new business start-ups of the undergraduates

Agricultural Biology Scholars Forum:

- Open up the opportunities to improve the knowledge and skills of postgraduates and undergraduate students and cover their privileges
- Share the research experiences and innovations within the forum members
- Confer research awareness among students of the Faculty.

Animal Welfare Society

- Promote the concerns of welfare friendly animal caring and management amongst Sri Lankans
- Provide a forum for the people those who are interested in humane handling of animals to ensure their welfare by conducting regular meetings
- Collect and make available for public use materials on Animal Welfare

Crop Science Society

- Improve the knowledge of the members in the field of Crop Science
- Maintain a close relationship with the personals and institutions which are relevant to the discipline of Crop Science

- Maintain a close relationship with national and international Societies/ associations.

Art Society

- Develop a deep and lasting enjoyment of art
- Encourage and develop artistic talents and abilities of undergraduates
- Organize exhibitions, competitions, workshops etc. to promote the better understanding of the fine arts

Birds Club

- Encourage an interest in wild birds of Sri Lanka and their conservation

Buddhist Society

- Promote peace and foster religious, ethnic and racial harmony in the faculty community
- Take responsibilities in all Buddhist rituals, practices and traditions organized in the faculty.

Ruhuna Explorers' Club

Ruhuna Explorers' Club is the most active and adventure outdoor active Club of University of Ruhuna which was established on 2017.02.04

University Senate at its 344th meeting held on 26.02.2020 has recommended the registration of new office bearers of the Explorers' Club and the University Council at its 402th meeting held on 13.07.2020 has approved the same.

- Organizes events for Trekking, Hiking, Climbing, Abseiling and other recreational, adventure and collective activities.
- Focus to Explore the Biodiversity, Archaeology, Space, Sri Lankan Culture &

Traditions and promote the concerns of sustainable Eco-tourism.

- Provide active participation for environmental conservation and raise environmental awareness.
- Open up the opportunities to develop the knowledge, attitudes, skills and mutual understanding of the undergraduate students of University of Ruhuna & Obtain leadership and personality that can withstand challenges

Green Pulse Society

Green Pulse Society which was established on 2015.05.20 attached to the Department of Agricultural Engineering, Faculty of Agriculture University of Ruhuna.

University Senate at its 358th meeting held on 28.05.2021 has recommended the registration of new office bearers of the Green Pulse Society and the University Council at its 414th meeting held on 15.07.2021 has approved the same.

- Promote the environmental, economic and social sustainability among the undergraduates and general public along with the associated green concepts.
- Provide active participation for environmental protection and conservation.
- Render volunteer services for sustainable community development.
- Provide opportunities to develop the knowledge, attitudes, skills and mutual understanding of the undergraduate students of University of Ruhuna.

Appendices

Appendices

Appendix A

AN ACT TO ELIMINATE RAGGING AND OTHER FORMS OF VIOLENCE, AND CRUEL, INHUMAN AND DEGRADING TREATMENT, FROM EDUCATIONAL INSTITUTIONS

Be it enacted by the Parliament of the Democratic, Socialist Republic of Sri Lanka as follows:

Short title

1. This Act may be cited as the Prohibition of Ragging and Other Forms of Violence in Educational Institutions Act, No. 20 of 1998.

Ragging

2. (1) Any person who commits, or participates in; ragging, within or outside an educational institution, shall be guilty of an offence under this Act and shall on conviction after summary trial before a Magistrate be liable, to rigorous imprisonment for a term not exceeding two years and may also be ordered to pay compensation of an amount determined by court, to the person in respect of whom the offence was committed for the injuries caused to such person.

2) A person who, whilst committing ragging causes sexual harassment or grievous hurt to any student or a member of the staff, of an educational institution shall be guilty of an offence under this Act and shall on conviction after summary trial before a Magistrate be liable to imprisonment for a term not exceeding ten years and may -also be ordered to pay compensation of an amount determined by court, to the person in respect of whom the offence was committed for the injuries caused to such person.

Criminal intimidation

3. Any person who, within or outside an educational institution, threatens, verbally or in writing, to cause injury to the person, reputation or property of any student or a member of the staff, of all educational institution (in this section referred to as “the victim”) or to the person, reputation or property of some other person in whom the victim is interested, with the intention of causing fear in the victim or of compelling the victim to do any act which the victim is not legally required to do, or to omit to do any act which the victim is entitled to do, shall be guilty of an offence under this Act and shall on conviction after summary trial before a Magistrate be liable to rigorous imprisonment for a term not exceeding five years.

Hostage taking

4. Any person who does any act by which the personal liberty and the freedom of movement of any student or a member of the staff of an educational institution or

other person within such educational institution or any premises under the management and control of such educational institution, is restrained without lawful justification and for the purpose of forcing such student, member of the staff or person to take a particular course of action, shall be guilty of an offence under this Act and shall on conviction after summary trial before a Magistrate, be liable to rigorous imprisonment for a term not exceeding seven years.

Wrongful restraint

5. Any person who unlawfully obstructs any student or a member of the staff of an educational institution, in such a manner as to prevent such student or member of the staff from proceeding in any direction in which such student or member of the staff, has a right to proceed, shall be guilty of an offence under this Act and shall on conviction after summary trial before a Magistrate be liable to rigorous imprisonment for a term not exceeding seven years.

Unlawful confinement

6. Any person who unlawfully restrains any student or a member of the staff of an educational institution in such a manner as to prevent such student or member of the staff from proceeding beyond certain circumscribing limits, shall be guilty of an offence under this Act and shall on conviction after summary trial before a Magistrate be liable to imprisonment for a term not exceeding seven years.

Forcible occupation and damage to property of an educational institution

7. (1) Any person who, without lawful excuse, occupies, by force, any premises of, or under the management or control of, an educational institution shall be guilty of an offence under this Act, and shall on conviction after summary trial before a Magistrate be liable to imprisonment for a term not exceeding ten years or to a fine not exceeding ten thousand rupees or to both such imprisonment and fine.

(2) Any person who causes mischief in respect of any property of, or under the management or control of, an educational institution shall be guilty of an offence under this Act and shall on conviction after summary trial before a Magistrate be liable to imprisonment for a term to not exceeding twenty years and a fine of five thousand rupees or three times the amount of the loss or damage caused to such property, whichever amount is higher.

Orders of expulsion or dismissal

8. Where a person is convicted of an offence under this Act, the court may, having regard to the gravity of the offence”

(a) in any case where the person convicted is a student of an educational institution, order that such person be expelled from such institution;

(b) in any case where the person convicted is a member of the staff of an educational institution, order that such person be dismissed from such educational institution.

Bail

9. (1) A person suspected or accused of committing an offence under subsection (2) of section 2 or section 4 of this Act shall not be released on bail except by the judge of a High Court established by Article 154P of the Constitution. In exercising his discretion to grant bail such Judge shall have regard to the provisions of section 14 of the Bail Act, No. 30 of 1997.

(2) Where a person is convicted of an offence under subsection (2) of section 2 or section 4 of this Act, and an appeal is preferred against such conviction, the Court convicting such person may, taking into consideration the gravity of the offence and the antecedents of the person convicted, either release or refuse to release, such person on bail.

Certain Provisions of the Code of Criminal Procedure Act not to apply to persons convicted or found guilty of an offence under this Act.

10. Notwithstanding anything in the Code of Criminal Procedure Act, No. 15 of 1979"

- (a) the provisions of section 303 of that Act shall not apply in the case of any person who is convicted,
- (b) the provisions of section 306 of that Act shall not apply in the case of any person who pleads or is found guilty, by or before any court of any offence under subsection (2) of section 2 or section 4 of this Act.

Offences under this Act deemed to be cognizable offences.

11. All offences under this Act shall be deemed to be cognizable Offences for the purposes of the application of the provisions of the Code of Criminal Procedure Act, No. 15 of 1979, notwithstanding anything contained in the First Schedule to that Act.

Certificate

12. Where in any prosecution for an offence under this Act, a question arises whether any person is a student or a member of the staff of an educational institution or whether any premises or property is the property of, or is under the management and control of, an educational institution a certificate purporting to be under the hand of the head or other officer of such

educational institution to the effect that the person named therein is a student or a member of the staff of such educational institution, or that the premises or property specified therein is the property of, or is under the management and control of, such educational institution, shall be admissible in evidence without proof of signature and shall be prima facie evidence of the facts stated therein.

Admissibility of statement in evidence

13. (1) If in the course, of a trial for an offence under this Act, any witness shall on any material point contradict either expressly or by necessary implication a statement previously given by him in the course of any investigation into such offence, it shall be lawful for the Magistrate if, after due inquiry into the circumstances in which the statement was made, he considers it safe and just"

(a) to act upon the statement given by the witness in the course of the investigation, if such statement is corroborated in material particulars by evidence from an independent source; and

(b) to have such witness at the conclusion of such trial, tried before such court upon a charge for intentionally giving false evidence in a stage of a judicial proceeding,

(2) At any trial under paragraph (b) of subsection (1) it shall be sufficient to prove that the accused made the contradictory statements alleged in the charge and it shall not be necessary to prove which of such statements is false.

Provisions of this Act to be in addition to and not in derogation of the provisions of the Penal Code & c

14. The provisions of this Act shall be in addition to and not in derogation of, the provisions of the Penal Code, the Convention against Torture and Other Cruel, Inhuman or Degrading Treatment or Punishment Act, No. 22 of 1994 or any other law.

Priority for trials and appeals under this Act

15. Every Court shall give priority to the trial of any person charged with any offence under this Act and to the bearing of any appeal from the conviction of any person for appeals under any such offence and any sentence imposed on such conviction.

Appendix B

Examination Rules, Offences and Punishments

According to the University of Sri Lanka, Manual of Procedures for conduct of university examinations published by University Grants Commission in 1st September, 1983, examination rules offenses and punishments are as follows;

Examination Rules

1. Attendance

Candidates shall be in attendance outside the Examination hall at least 15 minutes before the commencement of each paper, but shall not enter the halls until they are requested to do so by the Supervisor.

2. Seating

On admission to the Hall a candidate shall occupy the seat allotted to him and shall not change it except on the specific instructions of the Supervisor.

3. Admission to Hall

No candidate shall be admitted to the Examination Hall for any reason whatsoever after the expiry of half-an-hour from the commencement of the Examination. Nor shall a candidate be allowed to leave the hall until half an hour has lapsed from the commencement of the Examination or during the last 15 minutes of the paper.

4. Record Book as Identity

A candidate shall have his student Record Book and the admission card with him in the Examination hall on every occasion he presents himself for a paper. His candidature is liable to be cancelled if he does not produce the Record Book. If he fails to bring his Record Book on any occasion, he shall, sign a declaration in respect of the paper for which he had not produced the Record Book in the form provided for it, and produce the Record Book on the next occasion when he appears for the Examination. If it is the last paper or the only paper he is sitting, he shall produce the Record Book to the Registrar on the following day. If a candidate loses his Record Book in the course of the Examination, he shall obtain a duplicate Record Book /Identity Card from the Registrar, for production at the Examination Hall.

5. Documents etc. which candidate should not bring

No candidate shall in his person or in his clothes, or on the admission card, time table or Record Book, any notes, signs or formulas etc. Books, notes, parcels, handbags etc. which a candidate has brought with him should be kept at a place indicated by the Supervisor/Invigilator.

6. Declaration of articles in possession

A candidate may be required by the Supervisor to declare any item in his possession or person.

7. Copying

No candidate shall copy or attempt to copy from any book or paper or notes or similar material or from the scripts of another candidate. Nor shall any candidate either help another candidate or obtain help from another candidate or any other person. Nor shall any candidate conduct himself so negligently that an opportunity is given to any other candidate to read anything written by him or to watch any practical Examination performed by him. Nor shall any candidate use any other unfair means or obtain or render improper assistance at the Examination.

8. Cheating

No candidate shall submit a practical or field book or dissertation or project study or answer script which has been done wholly or partly by anyone other than the candidate himself.

9. Articles candidate may bring

Candidates shall bring their own pens, ink, mathematical instruments, erasers, pencils, or any other equipment or stationery which they have been instructed to bring.

10. Examination stationary

Examination stationary (i.e. writing paper, graph paper, drawing paper, ledger paper, precise paper etc.) will be supplied as and when necessary. No sheet or paper or answer book supplied to a candidate may be torn, crumpled, folder or otherwise mutilated. No papers other than those supplied to him by the Supervisor/Invigilator shall be used by candidates. Log tables or any other material provided shall be used or unused, shall be left behind on the desk and not removed from the Examination Halls.

11. Index number

Every candidate shall enter his index Number on the answer book and on every continuation paper. He shall also enter all necessary particulars as indicated in the cover of the answer book. A candidate who inserts an Index Number other than his own on his answer script is liable to be considered as having attempted to commit fraud. A script that bears no Index Number or an Index Number which cannot be identified is liable to be rejected. No candidate shall write his name or any other identifying mark on the answer scripts.

12. Rough works to be cancelled

All calculations and rough work shall be done only on paper supplied for the Examination, and shall be cancelled and attached to the answer script. Such work should not be done on admission cards, time-tables,

question papers, Record Book or on any other paper. Any candidate who disregards these instructions will be considered as having written notes or outline of answer with the intention of copying.

13. Unwanted parts of answers to be crossed out

Any answer or part of an answer which is not to be considered for the purpose of assessment shall be neatly crossed out. If the same question has been attempted in more than one place the answer or answers that are not to be counted shall be neatly crossed out.

14. Under supervisor's authority

Candidates are under the authority of the Supervisor and shall assist him by carrying out his instructions and those of his Invigilators, during the Examination and immediately before and after it.

15. Conduct

Every candidate shall conduct himself in the Examination Hall and its precincts so as not to cause disturbance or inconvenience to the Supervisor or his staff or to other candidates. In entering and leaving the hall, he shall conduct himself as quietly as possible. A candidate is liable to be excluded from the Examination hall for disorderly conduct.

16. Stopping work

Candidates shall stop work promptly when ordered by the Supervisor/Invigilator to do so.

17. Maintenance of silence

Absolute silence shall be maintained in the Examination Hall and its precincts. A candidate is not permitted for any reason whatsoever to communicate or to have any dealings with any person other than the Supervisor/Invigilator. The attention of the Supervisor/Invigilator shall be drawn by the candidate by raising his hand from where he is seated.

18. Leaving the hall

During the cause of answering a paper no candidate shall be permitted to leave the Examination Hall temporarily. In case of emergency, the Supervisor/Invigilator shall grant him permission to do so but the Candidate will be under his surveillance.

19. Impersonation

No person shall impersonate a candidate at the Examination, nor shall any candidate allow himself to be so impersonated by another person.

20. Dishonesty

Serious notice will be taken of any dishonest assistance given to a candidate, by any person.

21. Cancellation or postponement

If circumstances arise which in the opinion of the Supervisor render the cancellation or postponement of the Examination necessary, he shall stop the Examination, collect the scripts already written and then report the matter as soon as possible to the Vice Chancellor/Registrar.

22. Making statements

The Supervisor/Invigilator is empowered to require any candidate to make a statement in writing on any matter which may have arisen during the cause of the Examination and such statement shall be signed by the candidate. No candidate shall refuse to make such a statement or to sign it.

23. Whom to contact in examination matters

No candidate shall contact any person other than the Vice Chancellor, Dean, Head of the Department or the Registrar, regarding any matter concerning the Examination.

24. Handing over of answer scripts

Every candidate shall hand over the answer scripts personally to the Supervisor/Invigilator or remain in his seat until it is collected. On no account shall a candidate hand over his answer scripts to the attendant, a minor employee or another candidate.

25. Withdrawal

Every candidate who registers for an Examination shall be deemed to have sat the Examination unless he withdraws from the Examination within the specified period or submits a medical certificate prior to the commencement of the Examination. The medical certificate shall be from the University Medical Officer. If this is not possible the medical certificate should be obtained from a Government Medical Practitioner, and submitted to the University Medical Officer within two weeks period.

26. Absence from exams

When a candidate is unable to present himself for any part/section of an Examination, he shall notify or cause to be notified this fact to the Registrar immediately. This should be confirmed in writing with supporting documents within 48 hours by Registered post.

27. Eligibility for Classes

A student who withdraws or absent himself from the Examination shall not be eligible for classes at the next Examination unless the Senate decides otherwise.

28. Eligibility to continue to sit

No student shall sit for an Examination, if he has exhausted the number of attempts that he is allowed to sit that particular Examination, unless he has been granted special permission to do so by the Senate.

Examination Offences and Punishments

Possession of unauthorized documents

Any candidate who violates Examination rule 5 shall be deemed guilty of the offence of possession of unauthorized documents and shall be liable to cancellation of his candidature from the Examination and to any further punishment that the Senate may decide upon.

Copying

Any candidate who violates rule 7 shall be deemed guilty of the offence of copying and shall therefore be liable to cancellation of his candidature from the Examination and to be prohibited from sitting any Examination of the University for a period of time and to any other punishment that the Senate may decide.

Cheating

Any candidate who violates Rule 8 shall be deemed guilty of the offence of having cheated at the Examination and shall be liable to the cancellation of his candidature from the Examination and to be prohibited from sitting any Examination of the University for a period of not less than three years and to any further punishment that the Senate may decide.

Removal of Stationary

Any candidate who is detected of removing Examination stationary and other materials provided for the Examination (Rule 10) shall be deemed guilty of an Examination offence and shall be liable for punishment including cancellation and/or prohibition from sitting any Examination of the University for such period as may be specified by Senate.

Disorderly conduct

Any candidate who violates any one or more of the rules in 6, 14, 15, 16, 17 or 18 shall be deemed guilty of the offence of disorderly conduct and shall be liable for punishment including cancellation/ or prohibition from any Examination of the University for such period as may be specified by the Senate

Impersonation

Any candidate who violates Rule 19 shall be guilty of the offence of impersonation and shall be liable to cancellation of candidature from the Examination and to be prohibited from sitting any Examination of the University for a period of not less than 5 years and to any further punishment that the Senate may decide. He may also be liable to any punishment under the penal Code/ Criminal Law.

Improper Knowledge

Any candidate who violates Rule 20 shall be guilty of an Examination offence and shall be liable to cancellation

of candidature from the Examination and to any further punishment that the Senate may decide upon.

Aiding and Abetting

Any candidate found aiding and abetting in the commission of any of the above Examination offences shall be deemed to have committed that offence and shall be liable to the same punishments.

Telephone Directory of the Faculty of Agriculture

Exchange	- 041-2292200
	- 041-2292380
	- 041-2292812
	- 041-2292815
Dean	- 041-2292382
Fax	- 041-2292384

HEADS OF DEPARTMENTS

Agric. Biology	- 041-2292383
Food Science & Technology	- 041-2292813
Soil Science	- 041-2294378
Agric. Economics	- 041-2292385
Agric. Engineering	- 041-2292386
Animal Science	- 041-2292387
Crop Science	- 041-2292389
Computer Unit	- 041-2292381
Library	- 041-2292816

FACULTY INTERCOM NUMBERS

Telephone Exchange	- 200
--------------------	-------

DEAN'S OFFICE COMPLEX

Dean / Prof Sudas D Wanniarachchi	- 201
AR / Mr. UGC Lakchan	- 202
Sub Warden (Male/Female)	- 361
Scientific Assistant / Ms HLC Himanda	- 381
Examination Room / Ms Pushpakanthi	- 380
Mr Upul	- 370
Student Counter / Mr. Suresh	- 366
Dean's Office (Down)	- 382
Dean's Office	- 374
Journal Room	- 371
Conference Room	- 203
Auditorium	- 291
Examination Hall	- 292
Tea room	- 379

FINANCE BRANCH

SAB/ Ms. Chintha Batuwita	- 369
Office	- 373
Shroff	- 372
Stores	- 327

DEPARTMENT OF AGRICULTURAL ENGINEERING

Head / Prof GY Jayasinghe	- 260
Prof PLAG Alwis	- 263
Prof (Ms) CM Nawaratne	- 265
Mrs CP Rupasinghe	- 264
Prof S Wijethunga	- 270
Prof GY Jayasinghe	- 268
Dr BM Jinendra Siriwijaya	- 266
Dr Anupa Koswatta	
Ms MGG Awanthi	- 269
Mr KMTS Bandara	- 269

Mr PP Ruwanpathirana	- 271
Ms KKumareswaran	
Mr BKA Bellanthudawa	
Temporary Staff Room	- 267
Office	- 261
TO / Ms CK Welahetti	- 272
Computer Room / Draftsman Room	- 262
Workshop 1	- 227
Workshop 2	- 310
Meteorology Station	- 280

DEPARTMENT OF ANIMAL SCIENCE

Head/Prof (Ms) D Senarathne	- 253
Conference Table	- 255
Prof NSBM Atapattu	- 257
Prof PWA Perera	- 306
Prof (Ms) NMNK Narayana	- 258
Prof (Ms) NY Hirimuthugoda	- 251
Prof Indunil Pathirana	- 248
Prof (Ms) D Senarathne	- 253
Dr CJ Gajaweera	- 247
Dr NA Pethiyagoda	- 338
Ms IWASS Sujani	- 390
Mr WTL Fonseka	- 390
Temporary Staff Room	- 252
TO / Mr Kapila / Mr Lal	- 249

DEPARTMENT OF CROP SCIENCE

Head / Prof (Ms) WGD Lakmini	- 229
Prof S Subasinghe	- 303
Prof KKIU Arunakumara	- 231
Prof (Ms) WGD Lakmini	- 232
Prof (Ms) DLC Kumari Fonseka	- 242
Dr IR Palihakkara	- 311
Dr (Ms) KMC Fernando	- 238
Dr (Ms) NDN Priyadarshanai	
Ms DABN Amarasekare	- 315
Ms MKTK Amarasinghe	- 244
Mr PHM Dharmasena	- 312
Mr HKMS Kumarasinghe	- 301
Ms RHGB Prabashini	- 322
Teaching Lab / Upper	- 357
Tissue Culture Lab	- 319
Culture Room	- 321
TO / Ms A Vidanagama	- 323

DEPARTMENT OF AGRICULTURAL ECONOMICS & EXTENSION

Head / Prof (Ms) GC Samaraweera	- 208
Prof Mangala De Zoysa	- 212
Prof LM Abeywickrama	- 214
Prof (Ms) GC Samaraweera	- 213
Prof AL Sandika	- 358
Prof (Ms) Nilantha De Silva	- 358
Dr (Ms) MAPDP Wickramaratne	- 211
Dr (Ms) DN Koralagama	- 211
Dr (Ms) KN Nadeeshani Silva	- 359
Ms WCSM Abeyekara	- 210

Mr PVS Harshana	
Ms MAMI Perera	
TO / Mr CC Jayawickrama	- 209

DEPARTMENT OF AGRICULTURAL BIOLOGY

Head / Prof (Mrs) S Geekiyanage	- 241
Prof KL Wasantha Kumara	- 234
Prof (Ms) WADPR Rathnasekera	- 233
Prof (Ms) N Dahanayake	- 325
Prof (Ms) AL Ranawake	- 317
Prof (Ms) S Geekiyanage	- 287
Prof (Ms) Nalika Ranatunge	- 383
Dr (Ms) Amani Mannakkara	- 326
Dr (Ms) Anuga Liyanage	
Dr (Ms) Dananjali Gamage	
Dr Dushan Kumarathunga	
Mr PCD Perera	
Ms WWUI Wickramaarachchi	
TOs / Mr Upali / Mr Harsha	- 240
Research Lab	- 318
Botany Lab	- 235
Preparation Room	- 239

DEPARTMENT OF FOOD SCIENCE AND TECHNOLOGY

Head / Dr (Ms) PABN Perumpuli	- 379
Prof VS Jayamanne	- 223
Prof PLN Lakshman	- 224
Dr (Ms) PABN Perumpuli	- 222
Dr AAM Subodinee	- 216
Dr GSN Fernando	- 205
Ms WTV Thathsarane	
MS APHI Abeysuriya	
Students' Lab	- 225
TO / Mr. Chamara Office	- 205
Meeting Room	- 207

DEPARTMENT OF SOIL SCIENCE

Head / Dr WMCI Wijekoon	- 295
Prof SD Wanniarachchi	- 219
Prof (Ms) DAL Leelamani	- 220
Prof (Ms) BC Walpola	- 221
Dr (Ms) SR Amarasinghe	- 295
Dr WMCI Wijekoon	- 295
Ms TDP Liyanage	
Mr UI Samarawickrama	
Mr HIGS Piyaaruwan	
Soil Sc. Research Lab	- 206
Student's Lab	- 225
TO / Mr SH Dissanayaka	- 218

COMPUTER UNIT

Prof MKDK Piyaaratne	- 289
Dr KKL B Adikaram	- 254
Dr ACP Priyankara	- 314
Mr DT Andrahannadi	- 269
Scientific Assistant	- 384
Temporary Staff Room	- 320

TO / Ms. S Abeysekara	- 274
-----------------------	-------

ENGLISH UNIT

Dr Buddhika Perumpuli	- 353
-----------------------	-------

LIBRARY

Asst. Librarian/Ms. KAIM Amarasekara	- 350
Office	- 348
Counter	- 349

COMMON PLACES

Medical Center	- 355
Guest House	- 288
Driver's Room	- 329
Sports Room	- 330
Common Room	- 331
Canteen	- 297
Cleaning Service	- 300

FARM

Manager	- 273
Office	- 298
Sales Room	- 275

MAINTAINANCE UNIT

Work Superintendent	- 328
---------------------	-------

SECURITY

S.I.	- 296
Office	- 285
Main Gate	- 226

STUDENTS'HOSTELS/COULCIL

Student Council	- 228
Student Common Room	- 284
Unit 1 (Boys)	- 279
Unit 2 (Boys)	- 280
Unit 3 (Boys)	- 281
Unit 4 (Girls)	- 278
Unit 5 (Girls)	- 282
Unit 6 (Girls)	- 283