Faculty of Food & Agriculture
POSTGRADUATE

UWI
ST. AUGUSTINE
CAMPUS



REGULATIONS & SYLLABUSES

2026/2027

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HOW TO USE THIS HANDBOOK

The Faculty Handbooks (also known as Faculty Booklets) are available on the Campus website in PDF format at **http://sta.uwi.edu/faculty-booklet-archive**. The Handbooks include:

- Relevant **Faculty Regulations** – e.g. Admission Criteria, Exemptions, Progression, GPA, Leave of Absence, etc.
- Relevant **University Regulations** including the Plagiarism Regulations and Declaration Forms
- Other Information on **Co-Curricular** courses, **Language** courses and **Support for Students** with physical and other disabilities or impairments.
- **Programme Descriptions and Course Listings** which include the list of courses to be pursued in each programme (degrees, diplomas and certificates), sorted by level and semester; course credits and credits to be completed for each programme – majors, minors and specials.
- **Course Descriptions** which may include details such as prerequisites and methods of assessment.

Students should note the following:
The Regulations and Syllabuses contained in the Faculty Handbooks should be read in conjunction with University Regulations as follows:

- The Undergraduate Regulations and Syllabuses should be read in conjunction with the University Regulations contained in the **Undergraduate Handbook** and the **University's Assessment Regulations for First Degrees Undergraduate Diplomas and Certificates (with effect from August 2020 and for the time being in force)**.
- The Postgraduate Regulations and Syllabuses should be read in conjunction with the University Regulations contained on the **Postgraduate Admissions website** and the **Board for Graduate Studies and Research Regulations for Graduate Certificates, Diplomas and Degrees (with effect from August 2018 and for the time being in force)**.

Progress through a programme of study at the University is governed by Faculty Regulations *and* University Regulations, which should be read in conjunction with each other. Should there be a conflict between Faculty Regulations and University Regulations, **University Regulations shall prevail, where appropriate**.

ACADEMIC CALENDAR 2026/2027

Get important dates such as the beginning and end of each semester, matriculation, examinations, graduation and ELPT. Also, take note of deadlines for the payment of fees, registration, and applications for overrides, leave of absence, admissions, and scholarships & bursaries.

To download the latest calendar, visit https://sta.uwi.edu/registration/academiccalendar.asp

LEGAL NOTICE – PROGRAMMES & COURSES

1. Notwithstanding the contents of Faculty Handbooks, course outlines or any other course materials provided by the University, the University reserves the right at any time to withdraw, alter or modify its programmes or courses and/or vary its modes or methods of teaching, delivery and assessment of its programmes or courses, as deemed necessary in the following circumstances:

   (a) As a result of any changes imposed by national laws, legislation, regulations, governmental orders or accreditation conditions made from time to time.
   (b) In response to the occurrence of a force majeure event, including but not limited to, war (whether declared or not), riots, civil disorder, epidemics, pandemics, quarantines, earthquakes, fire, explosions, storms, floods or other adverse weather conditions, strikes, lockouts or other industrial action, confiscation or any other action or authority by governmental or regulatory agencies or acts of God.
   (c) In the event of an emergency where there is risk to life and property.
   (d) Where the exigencies of the circumstances require such action to be taken by the University.

2. Whilst it is anticipated that teaching, delivery and assessment of the University's programmes and courses during the Academic Year will be conducted primarily in person, the University reserves the right to implement virtual/online/electronic modes and methods of teaching, delivery and assessment or hybrid teaching and learning, if deemed necessary due to public health regulations, governmental order, health and safety protocols and/or any other possible threats to life, health and safety.

DISCLAIMER – PRIZES & AWARDS

In the case where Faculty/Student Prizes or Awards may be listed in the Faculty Handbooks, the University does not bind itself to award any or all of the listed prizes/awards contained therein or at its stated value and reserves the right to modify or altogether withdraw certain prizes/awards as described in either or both the electronic and printed versions of the Faculty Handbooks.

THE UNIVERSITY OF THE WEST INDIES
VISION, MISSION & VALUES

OUR VISION	OUR MISSION	OUR VALUES
An excellent global university rooted in the Caribbean.	**To advance learning, create knowledge and foster innovation for the positive transformation of the Caribbean and the wider world.**	**Integrity** **Diversity** **Gender Justice** **Student Centredness** **Financial Sustainability**

THE UNIVERSITY OF THE WEST INDIES

ACCESS ALIGNMENT AGILITY
Triple A Strategy 2022-2027
Phase II: Revenue Revolution
powered by DIGITAL TRANSFORMATION

For more about the University's Strategic Plan and Vision, Mission and Values, visit
https://uwi.edu/uop/uwi-strategic-plan

MESSAGE FROM THE DEAN



Welcome to the Faculty of Food and Agriculture (FFA). We are delighted to receive you into our vibrant academic family. Here, you are more than a student; you are a partner in your own development and in advancing the Faculty's transformative vision for the Caribbean. By choosing our programmes and engaging with our experienced faculty and staff, you have taken an important step toward academic and professional success.

You join us at a pivotal moment. The FFA is rebranding and repositioning to meet the strategic priorities of environmental sustainability and resilience, food and nutrition security, strengthened value chains, youth and women's empowerment, and enhanced research and innovation. The Faculty, in its rebranding efforts, has received approval for new names as follows: *Faculty of Food and Agriculture (FFA)* to be renamed *Faculty of Agricultural Sciences and Sustainability (FASS)*; *University Field Station (UFS)* to *UWI Innovation Farm (UIF)*; *Department of Agricultural Economics and Extension (DAEE)* to *Department of Entrepreneurship, Nutrition & Extension (DENE)*; *Department of Food Production (DFP)* to *Department of Food & Resource Management Systems (DFRMS)*; *Department of Geography (DG)* to *Department of Geography & Sustainability Sciences (DGSS)*. Your time with us will be central to realizing these goals.

The importance of agriculture, food and nutrition security, and environmental stewardship is greater than ever. In a world of geopolitical instability and increasing climate impacts, building resilient agri-food systems in a sustainable environment is critical, especially for our Small Island States. As future leaders, you will help shape sustainable solutions, advance environmental sustainability and disaster risk resilience, and strengthen the region's food systems.

As the only Faculty of its kind in the UWI system, with three complementary departments, we will equip you with cutting-edge knowledge, research experience, and technical skills tailored to local, regional, and global needs. Our programmes emphasise science, innovation, technology, and sustainability, preparing you to lead in a changing world.

We are committed to developing ethical, analytical, and entrepreneurial professionals with strong critical thinking and communication skills. As you engage fully in your studies and mentorship opportunities, with dedication and guidance, you will emerge as a capable leader ready to make meaningful contributions.

This booklet contains essential information on faculty regulations, programme details, and resources. Please consult our staff and departmental offices for further guidance.

May this academic year 2026/2027 be one of academic excellence, innovative discovery, and lasting connections. The FFA will support you every step of the way. I look forward to your success.

Prof Mark Wuddivira
DEAN

OUR VISION

To be the Caribbean's leader in sustainable food systems, climate-smart agriculture, and environmental stewardship through teaching, research, innovation, and strategic partnerships.

MISSION STATEMENT

To advance knowledge, innovation, and capacity building in agri-food systems and environmental sustainability through high-quality education, impactful research, and inclusive engagement.

FACULTY STRUCTURE

FACULTY OF FOOD AND AGRICULTURE	
OFFICE OF THE DEAN	
Department of Agricultural Economics and Extension	**Business Development Unit (BDU)**
Department of Geography	**University Field Station (UFS)**
Department of Food Production	**Publication and Communication Unit**

STAFF LISTING

The Faculty's Office is located in
the Sir Frank Stockdale Building
Telephone: 1 (868) 662-2002 Ext. 82242

OFFICE OF THE DEAN
DEAN
Prof Mark Wuddivira
Ext. 82112 / 82113
Email: mark.wuddivira@uwi.edu
Dean.FFA@uwi.edu

DEPUTY DEANS

Dr Arlette Saint Ville
Graduate Studies, Research and Innovation
Ext. 83525/83612
Email: arlette.saintville@uwi.edu
STA-FFADD.pg@uwi.edu

Dr Marquitta Webb
Teaching, Learning and Student Development
Ext. 83955/83786
Email: marquitta.webb@uwi.edu
FFADD.UG@uwi.edu

mailto:arlette.saintville@uwi.edumailto:STA-FFADD.pg@uwi.edu
Dr Ronald Roopnarine
Outreach and Internationalization
Ext. 83322/83211/82078
Email: ronald.roopnarine@uwi.edu
FFADD.outreach@uwi.edu

Dr Martin Hughes
Farms, Planning and Sustainability
Ext. 83210
Email: martin.hughes@uwi.edu

ADMINISTRATIVE OFFICER
TBA
Ext. 82429

SENIOR SECRETARY TO THE DEAN
Ms Tiffany Telesford
Ext. 82112/82113
Email: tiffany.telesford@uwi.edu

ADMINISTRATIVE ASSISTANT
Ms Deniece Deane
Ext. 82720
Email: deniece.deane@uwi.edu

CLERICAL ASSISTANT
Ext. 82242

ACCOUNTING ASSISTANT
Mrs Marissa Gordon-Baksh
Ext. 83903
Email: marissa.gordon-baksh@uwi.edu

STUDENT AFFAIRS UNIT
Email Address for Student Matters:
ffa.studentaffairs@uwi.edu

ADMINISTRATIVE ASSISTANT
Ms Sonja Joseph
Ext. 82600
Email: sonja.joseph@uwi.edu

SECRETARY
Mrs Sabrina Singh
Ext. 83954
Email: sabrina.singh@uwi.edu

(Ag.) FACULTY LAN ADMINISTRATOR
Ms Rudi Browne
Ext. 82585
Email: rudi.browne@uwi.edu

(Ag.) FACULTY NETWORK SUPPORT TECHNICIAN
Mr Micah Lewis
Ext. 83565
Email: micah.lewis@uwi.edu

FACULTY PUBLICATION AND COMMUNICATION UNIT:
Managing Editor of TA and Unit Coordinator TBA
Communications Coordinator
Direct Line: 645-3640
Ext. 82088

EDITOR IN-CHIEF (AG.) OF TA
Mr Bruce Laukner
Ext. 82210
Email: bruce.lauckner@live.com

TECHNICAL ASSISTANT
Ms Treasure Alcindor
Ext. 82210
Email: treasure.alcindor@uwi.edu

BUSINESS DEVELOPMENT UNIT
2nd Floor, Frank Stockdale Building
Tel: (PBX): (868) 662-2002
Tel: (Direct Line): (868) 662-2686/83719
Fax: (868) 663-9686

ADMINISTRATIVE ASSISTANT
Ms Shawna Evangelist
Ext. 83318
Email: shawna.evangelist@uwi.edu

FACILITIES MAINTENANCE TECHNICIAN
Mr Rusell Thomas
Ext. 82426
Email: rusell.thomas@uwi.edu

UNIVERSITY FIELD STATION MANAGER (Ag.)
Dr Martin Hughes
Farms, Planning and Sustainability
Ext. 83210
Email: martin.hughes@uwi.edu

VETERINARY OFFICER
Wong, Corinne
Email: corinne.wong@uwi.edu

FACULTY GUILD REPRESENTATIVE
Email: guildffarep@my.uwi.edu

DEPARTMENT OF AGRICULTURAL ECONOMICS & EXTENSION

Main Office: First Floor, Rm 15, Dudley Huggins Building
Tel: 1-868-662-2002
Ext. 82094/83276/82309
Email: STA-daee@uwi.edu

HEAD OF DEPARTMENT
Nichols, Selby
BSc (UWI), MSc (UCL), PhD (UWI)
Senior Lecturer, Human Nutrition
Ext. 83564/82093
Email: selby.nichols@uwi.edu

ADMINISTRATIVE ASSISTANT
Ms Lindy-Ann Glenn
Ext. 82906
Email: lindy-ann.glenn@uwi.edu

SECRETARIES
Ms Meresa Lobin
Ext. 82094
Email: meresa.lobin@uwi.edu

Mr. Kwesi Connell
Ext. 82445
Email: kwesi.connell@uwi.edu

TECHNICAL ASSISTANTS
Ms Tynessa Gay
Ext. 83276/82906
Email: tynessa.gay@uwi.edu

Ms Melony John
Ext. 82309
Email: melony.john@uwi.edu

Mr Sean Spence
Ext. 82309
Email: sean.spence@uwi.edu

ACADEMIC STAFF
Bahaw, Priscilla
PhD (UTT)
Lecturer, Entrepreneurship and Agribusiness Management
Ext. 83914
Email: priscilla.bahaw@uwi.edu

Bawa, Sa'eed Halilu
PhD (SGGW)
Senior Lecturer, Human Nutrition and Dietetics
Ext. 82076
Email: saeed.bawa@uwi.edu

Beckford, Safiya
BSc (UWI), MSc (UNL, USA)
Instructor, Human Nutrition and Dietetics (Temp)
Ext. 83212
Email: safiya.beckford@uwi.edu

Boman, Mattias
PhD (SLU)
Ext. 83561
Professor, Agricultural Economics
Email: erik.boman@uwi.edu

Dyett, Patricia
PhD (LLU, USA)
Lecturer, Human Nutrition and Dietetics
Ext. 82308
Email: patricia.dyett@uwi.edu

De Sormeaux, Afiya
BSc, MSc, MPhil (UWI), PhD (UF)
Lecturer, Agricultural Education and Extension (Temp)
Ext. 83205
Email: afiya.desormeaux@uwi.edu

Hutchinson, Sharon D.
BSc, MSc (UWI), PhD (Florida)
Senior Lecturer, Fisheries Economics
Ext. 83279
Email: sharon.hutchinson@uwi.edu

Joseph, Chanelle
PhD (UWI)
Lecturer, Human Nutrition and Dietetics (Temp)
Ext: 83277
Email: chanelle.joseph@uwi.edu

Joseph, Jeanelle
PhD (UWI)
Lecturer: Agricultural Education and Extension
Ext: 83206
Email: jeanelle.joseph@uwi.edu

Maharaj, Omardath
PhD (UWI)
Lecturer, Agribusiness (Temp)
Email: omardath.maharaj@uwi.edu

Nichols, Selby
BSc (UWI), MSc (UCL), PhD (UWI)
Senior Lecturer, Human Nutrition
Ext. 83564
Email: selby.nichols@uwi.edu

Prout, Patrice
BSc (UWI), PhD (UWI)
Lecturer, Human Nutrition and Dietetics (Temp)
Ext. 82742
Email: patrice.prout@uwi.edu

Seepersad, Govind (ON SABBATICAL)
BSc, MSc, PhD (UWI)
Lecturer, Agricultural Economics
Ext. 83274
Email: govind.seepersad@uwi.edu

Webb, Marquitta
BSc, MSc, PhD (Howard)
Senior Lecturer, Human Nutrition and Dietetics
Ext. 82094/83955
Email: marquitta.webb@uwi.edu

DEPARTMENT OF FOOD PRODUCTION

Main Office: Room #213 Sir Frank Stockdale Building
PBX: (868) 662 2002 Ext. 82090
Email: Food.Production@uwi.edu

HEAD OF DEPARTMENT
Eudoxie, Gaius
BSc, PhD (UWI)
Senior Lecturer, Soil Science
Ext. 83786
Email: gaius.eudoxie@uwi.edu

ADMINISTRATIVE ASSISTANT
Mrs Brenda Bannister
Ext. 83746
Email: brenda.bannister@uwi.edu

SENIOR SECRETARY
Ms Elisha Bridgemohan
Ext. 82090
Email: elisha.bridgemohan@uwi.edu

TECHNICAL ASSISTANT
Ms Arlette Antoine
Ext. 83208
Email: arlette.antoine@uwi.edu

ACCOUNTING ASSISTANT
Ms Cynthia Lewis
Ext. 83328
Email: cynthia.lewis@uwi.edu

CLERICAL ASSISTANT- RECEPTION
Mr Stefan Seeram
Ext. 83989
Email: stefan.seeram@uwi.edu

ACADEMIC STAFF
Badrie, Neela
LLB (Univ of London), BSc, MSc, PhD (UWI)
Professor Emeritus, Food Microbiology and Safety
Ext. 82090
Email: neela.badrie@uwi.edu

Brathwaite, Richard
BSc (Poona), PhD (UWI)
Professor Emeritus, Agronomy
Ext.83320
Email: richard.brathwaite@uwi.edu

Daley, Oral
BSc, PhD (UWI)
Lecturer, Crop Science
Ext. 83320
Email: oral.daley@uwi.edu

De Gannes, Vidya
BSc, MSc, PhD (UWI)
Lecturer, Microbiology
Ext.82078
Email: vidya.degannes@uwi.edu

Eudoxie, Gaius
BSc, PhD (UWI)
Senior Lecturer, Soil Science
Ext. 83786
Email: gaius.eudoxie@uwi.edu

Garcia, Gary
BSc, MSc, PhD (UWI)
Professor Emeritus, Livestock Science
Ext. 84055
Email: gary.garcia@uwi.edu

Hughes, Martin
BSc PhD (UWI)
Senior Lecturer, Livestock Science
Ext. 83210
Email: martin.hughes@uwi.edu

Isaac, Wendy-Ann
BSc, MSc (UWI), MSc (Lincoln), PhD (UWI)
Senior Lecturer, Weed Science/Agronomy
Ext. 83324
Email: wendy-ann.isaac@uwi.edu

John, Afiya
BSc, MSc (UWI), PhD (UCAS)
Lecturer, Post-Production Technology
Ext. 82090
Email: afiya.john@uwi.edu

Ramnarine, Ravindra
DipAg (ECIAF), BSc (UWI), MSc (Florida), PhD (Guelph)
Senior Lecturer, Soil Science
Ext. 82578
Email: ravindra.ramnarine@uwi.edu

Roopnarine, Ronald
BSc, PhD (UWI), FHEA (UK)
Senior Lecturer, Disaster Risk Resilience
Ext. 83211/82078
Email: ronald.roopnarine@uwi.edu

Karuppusamy, Sivakumar
BVSc, MVSc, PhD (TNAU)
Senior Lecturer, Livestock Science
Ext. 83329
Email: sivakumar.karuppusamy@uwi.edu

Tardieu, Laura
BSc (Western), MAppSc (USyd), PhD (UWI)
Lecturer, Livestock Science
Ext. 83974
Email: laura.tardieu@uwi.edu

Thomas, Augustus
BSc, PhD (UWI)
Assistant Lecturer, Plant Pathology
Ext. 83317
E-mail: augustus.thomas@uwi.edu

Wilson, Stefan
BSc (TU), MSc (LU), PhD (WUR)
Lecturer, Statistics
Ext. 83319
Email: stefan.wilson@uwi.edu

DEPARTMENT OF GEOGRAPHY

Main Office: 1st Floor, John Spence Building
1 (868) 662-2002 Ext. 84129 | sta-geography@uwi.edu

HEAD OF DEPARTMENT
Farrick, Kegan
BSc (UWI), MSc (Waterloo), PhD (Western)
Senior Lecturer, Hydrology/Water Resources
Ext: 84130
Email: kegan.farrick@uwi.edu

ADMINISTRATIVE ASSISTANT
Ms Cadia Raymond
Ext. 84129
Email: cadia.raymond@uwi.edu

CHIEF TECHNICIAN
Dr Melissa Atwell
Ext. 83139
Email: melissa.atwell@uwi.edu

GIS LABORATORY TECHNICIAN
Ms Fadilah Ali
Ext. 83258
Email: fadilah.ali2@uwi.edu

TECHNICAL ASSISTANT
Ms Makanzwa Pita
Ext. 83255
Email: makanzwa.pita@uwi.edu

ACADEMIC STAFF
Darsan, Junior
BSc, PhD (UWI)
Senior Lecturer, Coastal Geomorphology/Coastal Management
Ext. 82698
Email: junior.darsan@uwi.edu

Farrick, Kegan
BSc (UWI), MSc (Waterloo), PhD (Western)
Senior Lecturer, Hydrology/Water Resources
Ext: 84130
Email: kegan.farrick@uwi.edu

Saint Ville, Arlette
BA (Nipissing), MEnv Studies (York), PhD (McGill)
Senior Lecturer, Human Geography
Ext. 83612/83525
Email: arlette.saintville@uwi.edu

Thongs, Gabrielle
BSc, MSc, PhD (UWI)
Lecturer, Disaster Resilience/Spatial Analysis
Ext. 82700
Email: gabrielle.thongs@uwi.edu

REGULATIONS FOR GRADUATE DIPLOMAS AND DEGREES

THE UNIVERSITY OF THE WEST INDIES BOARD FOR GRADUATE STUDIES AND RESEARCH
WITH EFFECT FROM August 2018

REGULATIONS FOR GRADUATE CERTIFICATES, DIPLOMAS AND DEGREES (EDITED 2019)
- SECTION 1 - GENERAL REGULATIONS
- SECTION 2 - REGULATIONS FOR WRITTEN EXAMINATIONS AND COURSEWORK
- SECTION 3 - REGULATIONS FOR THE EXAMINATION OF RESEARCH PAPERS, PROJECT REPORTS AND THESES
- APPENDIX 1 - UNIVERSITY REGULATIONS ON PLAGIARISM

SECTION 1 - GENERAL REGULATIONS

GRADUATE DIPLOMAS AND DEGREES

GRADUATE DIPLOMAS

1.1 Graduate Diplomas shall be awarded on the basis of:
- (a) written examinations together with a research paper or project report; or
- (b) requirements prescribed for specific Graduate Diplomas in the respective Faculties.

TAUGHT MASTER'S AND DM DEGREES

1.2 Taught Master's degrees and the Doctor of Medicine degree shall be awarded on the basis of:
- (a) written examinations together with a research paper or project report; or
- (b) requirements prescribed for specific degrees in the respective Faculties.

RESEARCH DEGREES: MPHIL, PHD, MD

1.3 The MPhil, PhD and MD shall be primarily research degrees and shall be awarded primarily on the basis of examination by thesis. Other requirements shall be as specified in the respective Faculties.

PROFESSIONAL DOCTORATES

1.4 Professional Doctorates shall be awarded on the basis of examination by written papers together with examination of the thesis. Other requirements shall be as specified in Programme and Faculty Regulations.

QUALIFICATIONS FOR ADMISSION

1.5 The following are eligible to apply for registration for a Graduate Diploma or degree:
- (a) Graduates of the University of the West Indies;
- (b) Persons who possess a degree from an approved university;
- (c) Persons holding such other suitable qualifications and/or experience as the Board for Graduate Studies and Research may approve.

SPECIALLY ADMITTED STUDENTS

1.6 In addition to the persons mentioned above, the Vice-Chancellor may also admit to the University as specially admitted students, for limited periods, such persons as he may deem fit.

1.7 Such persons are deemed eligible for special admissions:
- (a) Persons sponsored by the Governments or other employers to read certain courses, not for credit towards a University qualification, under a special arrangement.
- (b) Any individual who wishes to pursue and develop a particular area of intellectual interest.
- (c) Graduates of the University of the West Indies or other approved universities who wish to pursue a particular course or courses.

1.8 Applications for special admission must be made on the appropriate forms.

1.9 To be considered for entry as "specially admitted students" applicants should normally possess an undergraduate degree. Those students who do not satisfy the requirements for entry to the University should provide satisfactory evidence of their previous studies. In appropriate cases they may be required to sit for a special entrance examination. In the assessment of the qualifications of applicants, due allowance shall be made for their maturity.

1.10 Such students shall be required to comply with the University Regulations for students as are in force.

MINIMUM ENTRY REQUIREMENTS

GRADUATE DIPLOMAS, TAUGHT MASTER'S DEGREES AND DM DEGREES

1.11 The minimum requirement for admission to a Graduate Diploma, Taught Master's or DM degree programme shall be a minimum GPA of 2.5 or a Lower Second-Class Honours degree or its equivalent, unless the Campus Committee for Graduate Studies and Research in any particular case otherwise decides.

MPHIL DEGREES

1.12 The minimum requirement for admission to MPhil programmes shall be a minimum GPA of 3.0, or an Upper Second-Class Honours degree or its equivalent, unless the Campus Committee in any particular case otherwise decides.

PHD AND MD DEGREES

1.13 The minimum requirements for admission to PhD and MD programmes:

(a) Approved graduate degrees awarded primarily for research;
(b) Taught Master's degree from the UWI or another approved University, provided that the Master's programme included a research component of at least 25% of the total credit rating and the applicant achieved at least a B+ average or its equivalent;
(c) Approval of upgrade application;
(d) Such other qualifications and experience as the Board for Graduate Studies and Research may approve.

PROFESSIONAL DOCTORATES

1.14 The minimum requirements for admission to Professional Doctorates:
Taught Master's degree in an appropriate field from the UWI or another approved University, having achieved at least a B+ average or its equivalent, and possessing the required experience in the field (as specified in the relevant Programme requirements).

APPLICATION PROCEDURE

For information on the application procedure, please visit the Graduate Information Portal (GRIP) at www.uwi.edu/grip**.**

APPOINTMENT OF SUPERVISORS

1.15 Persons related to candidates for Graduate Diplomas or degrees may not be appointed to supervise such candidates. For this purpose, a person shall be deemed to be related to the candidate as a parent, child, grandparent, grandchild, step-parent, step-child, sibling, spouse, fiancé, fiancée, or cohabitee, or any offspring of the above or any other relationship that may give rise to a conflict of interest.

1.16 A staff member registered for a graduate degree shall not be appointed as a Supervisor of a student, unless the Board for Graduate Studies and Research in any particular case decides otherwise. Such a staff member may only be appointed to supervise a student registered for a taught degree below the level of the one for which the staff member is registered.

1.17 A staff member without a graduate degree or with a degree of a lower level than the one to be supervised, but with long teaching and research experience, may be appointed as Supervisor, but such recommendations for appointment shall be subject to approval by the Board for Graduate Studies and Research.

1.18 Supervisors of students pursuing research degrees must have held a graduate degree, of the same or higher level as the degree being supervised, for at least three years, unless the Campus Committee in any particular case otherwise decides.

Research Degrees

1.19 Before a student is accepted to an MPhil, PhD or MD programme, at least one supervisor shall be appointed by the Campus Committee on the recommendation of the Head of Department.

1.20 Where more than one Supervisor is appointed for a student, one shall be designated Chief Supervisor and the other(s) shall be designated Co-Supervisor(s). A person not on the staff of the UWI but fully qualified, may also be appointed a Co-Supervisor but may not be Chief Supervisor, except where approved by the Board for Graduate Studies and Research.

1.21 In cases of co-supervision of research which involves disciplines in more than one Department, the Chief Supervisor shall be from the Department in which the student is registered, unless the Campus Committee in any particular case decides otherwise.

1.22 By the end of the Semester in which the student is first registered, a Committee of Advisors shall be nominated by the Head of Department and appointed by the Campus Committee. The Committee of Advisors shall comprise a minimum of three persons, and shall include the student's Supervisor(s).

1.23 Supervisors shall provide academic guidance and direction to students in the conduct of the students' research. (See Graduate Studies Guide for Students and Supervisors)

1.24 The Chief Supervisor, or sole supervisor as the case may be, shall communicate regularly with the student and Co-Supervisor if applicable, convene meetings of the Committee of Advisors at least once per year, and by regular reports, inform the Campus Committee of the state of the student's work.

Professional Doctorates

1.25 Supervisors of professional doctoral theses must be nominated by the relevant Head of Department and approved by the Campus Committee at least three months prior to the scheduled commencement of the research component of the work.

RESEARCH PAPERS AND PROJECT REPORTS

1.26 Supervisors of research papers and project reports must be nominated by the relevant Head of Department and approved by the Campus Committee at least two months prior to the scheduled commencement of the work by the candidates.

REGISTRATION

1.27 A candidate may not be registered for two or more programmes simultaneously, whether at UWI or at any other institution, unless the Board for Graduate Studies and Research in any particular case decides otherwise.

1.28 A student awaiting the final results of a programme in which he or she is registered may be provisionally accepted by the Board for Graduate Studies and Research into another programme pending the outstanding results.

1.29 The period of registration for a Graduate Diploma or degree shall date from the start of the semester in which the candidate is first registered.

1.30 All students, including those who proceed on electives and attachments to other institutions, are required to register each semester.

DEADLINES FOR REGISTRATION

1.31 Deadlines for registration shall be as follows:

(a) Continuing students and new students admitted in Semester I:
   i. Normal Registration: First week of Semester I
   ii. Late Registration: Up to the end of the third week of Semester I. A late registration fee will be charged.

(b) New students admitted in Semester II:
   i. Normal Registration: First week of Semester II
   ii. Late Registration: Up to the end of the third week of Semester II. A late registration fee will be charged.

(c) The University Registrar/Campus Registrar may delegate to Campus Committees responsibility with respect to the above deadlines.

1.32 Late registration and changes in registration after the above deadlines will be permitted only in exceptional circumstances and with the approval of the Campus Committee, on the recommendation of the relevant Head of Department. Continuing students who have failed to register by the applicable deadlines shall be deemed to have withdrawn, and shall be required to apply for readmission.

1.33 Students are deemed to have failed any required examination in courses for which they have registered but which examination they have not taken, except in exceptional circumstances as determined by the Chair of the relevant Campus Committee.

1.34 Candidates who have submitted their theses, research papers or project reports before the end of a Semester, but the examination of which has not been completed at the start of the following Semester, must re-register in the new Semester, but need only pay the applicable registration fee. Any costs incurred by candidates in being present for oral examinations, should the Regulations or the Examiners require that they be so examined, shall be borne by the candidates.

IDENTIFICATION CARDS

1.35 All registered students are required to have a University ID card which they must produce at the Library, examination rooms and other places as may be requested.

LEAVE OF ABSENCE

1.36
(a) A student who for good reason wishes to be absent from an academic programme for a semester or more must apply for formal leave of absence to the Campus Committee, stating the reasons for the application.
(b) The length of such leave of absence, if granted, will be subject to approval by the Campus Committee, but will not be less than one semester or greater than one academic year in the first instance, terminating at the end of the semester or the academic year for which the application is approved.
(c) Leave of absence will not be granted for more than two consecutive academic years, unless the Board for Graduate Studies and Research in any particular case decides otherwise.
(d) Applications for leave of absence for a semester shall be submitted by the end of the third week of the relevant semester.
(e) Applications for leave of absence for the academic year shall be submitted by the end of the third week of Semester I.

RESIDENCE REQUIREMENTS

1.37 Candidates for the MPhil and PhD who are not graduates of the UWI must complete at least one semester of their graduate work in residence at the UWI or at any institution that may be approved from time to time by the Board for Graduate Studies and Research.

1.38 Candidates for the MPhil and PhD who hold a first degree of the UWI and wish to conduct a portion of their research in a country outside the Caribbean region, may do so provided that satisfactory evidence has been presented to the Board for Graduate Studies and Research that adequate facilities are available for the proposed programme of work and that adequate arrangements have been made for supervision.

INTELLECTUAL PROPERTY

1.39 As a UWI student, the candidate agrees to abide by the UWI Policy on Intellectual Property located on the Graduate Information Portal at www.uwi.edu/grip**.**

CHANGES IN REGISTRATION

TRANSFER AND UPGRADING OF REGISTRATION

1.40 A candidate registered for the MPhil degree who wishes to upgrade his or her registration to the PhD may apply after a period of one year full-time, or two years part-time, from the date of initial registration, and should complete the upgrade of registration by the end of three years full-time, or five years part-time, from the date of initial registration. The candidate must have the support of the Supervisor and the relevant Head of Department and have given evidence of having the qualifications necessary for writing a thesis for the PhD.

1.41 A candidate who is registered for a Taught Master's degree may apply after a period of one Semester for transfer of registration to the MPhil if, in the opinion of the Head of Department, the candidate has given evidence of having the qualifications necessary for writing the thesis for the MPhil. A candidate registered for the MPhil/PhD programme who wishes to pursue a Taught Master's degree shall withdraw from the MPhil/PhD, without penalty, and apply for registration in a Taught Master's programme.

1.42 The procedure to be followed by Heads of Departments in the upgrading and transfer of registrations under Regulations 1.40 and 1.41, shall be as prescribed by the Board for Graduate Studies and Research in the Manual of Procedures for Graduate Diplomas and Degrees.

1.43 A candidate whose application for upgrading or transfer of registration under Regulations 1.40 and 1.41 has been approved shall have the years spent in the MPhil programme counted toward the years spent in the PhD programme (see Regulations 1.49 and 1.50).

1.44 A candidate who is registered for the PhD and who has not yet submitted the thesis for examination may apply to the Campus Committee to change registration to MPhil and submit the thesis for examination for the MPhil degree. Where these applications are granted, the registration for the PhD will lapse and the registration for the MPhil will be deemed to have started from the date of the original registration for the MPhil/PhD.

FULL-TIME AND PART-TIME REGISTRATION

1.45 Candidates registered as either full-time or part-time students may apply to the Campus Committee to change their registration status.

1.46 Full-time students may take employment for not more than twelve hours per week without losing their fulltime status otherwise they shall be registered as part-time. However, research students who hold Teaching or Research Assistantships in the area of their research programmes may be registered as full-time students, provided that their employment commitment does not exceed twenty hours per week.

1.47 A candidate who has been registered as a full-time student for two years in the case of the MPhil or three years in the case of the PhD and Professional Doctorate shall not benefit from any extension of time for completion of the requirements of the degree by virtue of any change to part-time registration thereafter (see Regulation 1.53).

TIME LIMITS FOR REGISTRATION

1.48 The minimum period of registration for the MPhil is 2 years full-time, and for the MD, PhD, and Professional Doctorate, is 3 years full-time, unless the Campus Committee in any particular case otherwise decides. The minimum period of registration for the MPhil and Professional Doctorate is 4 years part-time, and for the MD and PhD, 5 years part-time.

1.49 Candidates for the MPhil are required to submit their theses for examination within 3 years of their initial registration for full-time studies or, subject to Regulation 1.47, within 5 years of their initial registration for part-time studies, unless the Campus Committee in any particular case otherwise decides.

1.50 Candidates for the PhD, MD and Professional Doctorates are required to submit their theses for examination within 5 years of their initial registration for full-time studies or, subject to Regulation 1.47 within 7 years of their initial registration for part-time studies, unless the Campus Committee in any particular case otherwise decides.

1.51 The minimum period of registration for a Taught Master's degree shall be one year for full-time students and two years for part-time students, unless the Board for Graduate Studies and Research in any particular case otherwise decides (see the relevant Programme Requirements). Assessment of the taught component must be completed before a research paper or project report can be submitted for examination. A candidate who is permitted to re-write any component of the programme is allowed a consequential extension of these time limits.

1.52 A candidate whose period of registration is about to end (see Regulations 1.49-1.50) may apply for an extension of time. Such application must be accompanied by a statement explaining why the thesis, research paper or project report has not been completed and indicating how much work remains to be done. Campus Committees may approve extensions of time limits of up to 1 year for submission of project reports and research papers, and up to 2 years for MPhil, PhD, MD and Professional Doctorate theses.

1.53 Extensions of time limits in excess of those in Regulation 1.52 may be granted by the Campus Committee where it considers that exceptional circumstances exist.

1.54 For the purposes of calculating time limits for registration, part-time registration is treated as equivalent to one-half year of full-time registration only for the first two years of full-time equivalent (FTE) registration for the MPhil, or three years FTE registration in the PhD. Thereafter, part-time registration will be treated as equivalent to full-time.

WITHDRAWAL

Students Deemed to have Withdrawn

1.55 Where a student does not meet the final deadline for submission of any requirement for a Graduate Diploma or degree that student's registration and the right to re-registration shall expire at the end of the semester during which the final deadline occurs. Such students are deemed to have withdrawn.

Students Required to Withdraw

1.56 Students registered in Graduate Diplomas, Taught Master's degrees or programmes in which courses are delivered over a short period may, on account of poor performance, be required to withdraw by the Campus Committee at the end of Semester I, II or at any point within a Semester, as may be prescribed by the approved Programme requirements.

1.57 Candidates required to withdraw at the end of Semester I shall be refunded any fees already paid towards Semester II.

RE-ADMISSION OF CANDIDATES

1.58 The re-admission of students who had been deemed to have withdrawn or required to withdraw must be approved by the Campus Committee. Such applicants required to withdraw will be considered for readmission not less than two years after their withdrawal, unless the Board for Graduate Studies and Research in any particular case otherwise decides.

1.59 Applicants re-admitted to a Graduate Diploma or degree programme may, with the approval of the Campus Committee, be credited with courses passed during the applicant's previous registration provided that not more than five years have lapsed since the date of expiry of the applicant's previous registration for those courses, or that the course content has not changed significantly in the interval. An applicant may be allowed credit for courses passed after more than five years have lapsed provided the relevant Head of Department submits in writing the reasons for the recommendation, for the approval of the Board for Graduate Studies and Research. Approval of such credit will be granted only where the candidate's performance has been significantly better than a minimal pass, unless the Board for Graduate Studies and Research in any particular case decides otherwise. In cases where a student has been required to withdraw through failure of a research paper or project report and is re-admitted, the research paper or project report which is pursued must address a new topic.

REGISTRATION OF QUALIFYING CANDIDATES

1.60 Students for admission to Graduate Diploma and degree programmes may be required by the Board for Graduate Studies and Research to take qualifying courses and to write examinations in these courses. Such students shall be registered as qualifying students and not as candidates for the diploma or degree. The qualifying courses shall be recommended by the relevant Head of Department for approval by the Campus Committee.

1.61 Students who are required to write qualifying examinations shall do so within two semesters of registration as a full-time student or four semesters of registration as a part-time student. The examination shall be conducted through the Campus Registrar who shall advise the candidates of the date, time, and place, not later than four weeks in advance of the examination.

1.62 Students will not be allowed to repeat a qualifying examination or any part thereof, except in exceptional circumstances and with the approval of the Campus Committee, on the recommendation of the Examiners.

1.63 Students cannot proceed to register for a Graduate Diploma or degree programme unless they have successfully completed the required qualifying examinations.

DEPARTMENTAL EXAMINATIONS

1.64 Students for admission to Graduate Diploma and degree programmes who are deemed generally acceptable but deficient in knowledge of particular aspects of the subject concerned may be required to follow courses, specified by the Campus Committee on the recommendation of the Head of Department, in addition to the courses required for the diploma or degree, and to pass the appropriate examinations before submitting any thesis, research paper, or project report as required. Such examinations shall be termed Departmental Examinations.

1.65 Students who are required to write Departmental Examinations shall register for the appropriate examinations at such time as is determined by the Campus Committee, on the recommendation of the Head of Department. The examinations shall be conducted through the Campus Registrar, who shall advise the candidates of the date, time and place not later than four weeks in advance of the examination.

COURSE OF STUDY

Graduate Diplomas, Taught Master's and DM Degrees

1.66 (a) The course of study for a Graduate Diploma or Taught Master's degree shall include, in addition to the required courses, supervised research work culminating in the submission of a research paper or project report, except as stated in approved Programme requirements. The subject of any such research paper or project report shall be recommended by the relevant Head of Department to the Campus Committee for approval not later than two months before the date of submission of the research paper or project report.

(b) The course of study for a DM degree includes both an academic programme and clinical rotations covering all aspects of the discipline over 4 to 7 years depending on the discipline. For all disciplines, it is necessary to be attached to an accredited hospital or to be assigned to clinical duty. All DM candidates are required to complete successfully a research project or case book before the final examination.

Research Degrees and Professional Doctorates

1.67 A candidate for the MPhil, PhD, MD or Professional Doctorate is required to follow such courses of study, and to undertake such other work, as may be approved by the Campus Committee on the recommendation of the relevant Head of Department, and to pass the appropriate examinations before submitting the thesis:

(a) For students enrolled in an MPhil degree, a minimum of 6 credits should be taken through courses, and for students enrolled in a PhD programme, a minimum of 9 credits should be taken through courses.
(b) (For students upgrading from MPhil to PhD, their MPhil courses will contribute to the course requirements for the PhD.
(c) Students entering either the MPhil or PhD degree already holding a Taught Master's degree may apply to the Campus Committee for exemption from the course requirements of the research degree.
(d) Please note that your minimum credit may be specific for the research degree you are perusing.

RESEARCH SEMINARS

1.68 Students enrolled for an MPhil degree must satisfactorily complete at least two research seminars, to be convened by the relevant Head of Department, prior to the submission of their MPhil thesis. Students enrolled for a PhD or MD degree must satisfactorily complete three such seminars. The upgrade seminar will count as one of the three seminars for the PhD, provided that it is not the last seminar. Assessment of students' seminars must be included in their Progress Reports. Students enrolled in Professional Doctorates must satisfactorily complete research seminars as specified in Programme requirements.

PROGRESS REPORTS

1.69 Each Chief Supervisor or sole Supervisor as the case may be, shall submit biannually to the Campus Committee through the Head of Department, a report on the work of any candidate placed under his or her supervision. Members of the Committee of Advisors are required to meet at least once per year with the student, and based on their meeting(s), shall submit to the Campus Committee, through the Head of Department, an annual report on the student's progress. These reports should say what work the candidate has done, assess the work, indicate what remains to be completed and whether the candidate is on schedule. The Supervisor shall supply the student with a copy of these reports, and the student shall be invited to verify that he or she has seen these reports.

1.70 Where the candidate disagrees with the Supervisor's assessment of the candidate's progress, he or she shall so indicate to the Campus Committee in writing. The Campus Committee shall consider the candidate's objections, together with the Supervisor's report, and may, if it sees fit, refer the matter for the report from another person qualified under these Regulations to supervise the candidate. If the Campus Committee decides against accepting the Supervisor's assessment, it may, and shall if the candidate requests, replace the Supervisor with another Supervisor appointed after consultation with the Dean of the Faculty and Head of Department.

1.71 Candidates whose work is at any time reported by their Supervisors to be unsatisfactory may be required to withdrawn.

1.73 The award of an MPhil/PhD shall be conferred with high commendation where the Examiners are unanimous in their recommendation that such an award should be made. In the case of Professional Doctorates, candidates should also have attained a Grade A average over the coursework component of the programme, and a candidate failing a course (including an elective course) required for the completion of the programme shall be ineligible for the award of high commendation. Failure in a co-requisite course shall not exclude the student from receiving high commendation.

POSTHUMOUS AWARD OF DIPLOMA OR DEGREE

1.74 Where a candidate dies after submission but prior to forwarding the thesis, research paper or project report for examination, the Campus Registrar shall in all cases inform the Examiners of the status of the candidate. Where the Examiners require only editorial changes, the Campus Committee may authorise the candidate's Supervisor to effect such changes. Where Examiners require substantive changes, the matter shall be referred to the Board for Graduate Studies and Research for determination.

1.75 Where a candidate dies after Examiners have reported, but prior to completing required corrections, the procedure at Regulation 1.76 shall apply with respect to the required changes.

1.76 The Board for Graduate Studies and Research shall consider the award of a posthumous diploma or degree only on receipt of a formal request by the candidate's personal representative. The Board shall consider the particular circumstances of each request prior to approving the award of the diploma or degree.

1.77 The posthumous award of a diploma or degree shall be considered only when the thesis, research paper or project report needed to complete programme requirements has been submitted to the Campus Registrar for examination, unless the Board for Graduate Studies and Research in any particular case otherwise decides.

CHEATING

1.78 Cheating is any act intended to benefit one's self or another by deceit or fraud.

1.79 A candidate must not directly or indirectly give assistance to any other candidate, or permit any other candidate to copy from or otherwise use his or her papers. A candidate must not directly or indirectly accept assistance from any other candidate or use any other candidate's papers. These behaviours will be regarded as cheating.

1.80 (a) If any candidate is suspected of cheating, or of attempting to cheat, the circumstances shall be reported in writing to the Campus Registrar. The Campus Registrar shall refer the matter to the Chair of the Campus Committee for Graduate Studies and Research. The Chair shall appoint an Investigating Committee of not less than 5 members to consider the case. If the Chair so decides, the Committee shall invite the candidate for an interview and shall conduct an investigation. If the candidate fails to attend the interview, and does not offer a satisfactory explanation, the Committee may hear the case in the candidate's absence.

(b) When investigating allegations of cheating, the quorum of the meeting shall include the Chair of the Campus Committee for Graduate Studies and Research, at least one (1) other member of the Campus Committee and the graduate student representative on the Campus, or in his/her absence, a student nominated by the President of the Student Society. In the event that the Chair of the Campus Committee for Graduate Studies and Research is unable to attend, either Co-Chair of the Board for Graduate Studies and Research shall appoint an Acting Chair. The Campus Registrar shall be the Secretary to the Committee.

(d) If the candidate is found guilty of cheating or of attempting to cheat, the Committee may recommend to the Board for Graduate Studies and Research that the candidate be disqualified from the examination concerned, or disqualified from all his/her examinations taken in that examination session; or disqualified from all further examinations of the University for any such period of time as it may determine.

(e) A student may appeal to the Senate from the decision of the Board for Graduate Studies and Research. Appeals against decisions of the Board for Graduate Studies and Research shall be received by the Campus Registrar within two weeks of the date on which the decision is communicated to the student. Such appeals shall be heard by an Appeal Committee of Senate. Such an Appeal Committee may uphold or reverse the decision and may vary the penalty in either direction within the limits prescribed in (b) above. The decision of the Appeal Committee of Senate shall be final.

(f) Regulations 1.82(a)-(d) apply to all forms of cheating except plagiarism.

PLAGIARISM

1.83 Regulations applicable to plagiarism are provided in **APPENDIX 1 TO THESE REGULATIONS**.

SECTION 2 - REGULATIONS FOR WRITTEN EXAMINATIONS AND COURSEWORK

GENERAL EXAMINATION REGULATIONS

2.1 Candidates taking courses for Graduate Diplomas and degrees shall be examined by means of one or more of the following:

(a) Written Examinations;

(b) Coursework, which shall include practical work, essays and other forms of course-work exercise or written test or any combination of these prescribed by Programme Regulations and approved by the Board for Graduate Studies and Research;

(c) Oral Examinations, if recommended by the Examiners of written examinations or coursework and approved by the Campus Committee.

2.2 No candidate will be permitted to repeat the examination in any one course on more than one occasion, unless the Board for Graduate Studies and Research in any particular case decides otherwise.

2.3 Candidates permitted a second attempt at a course, in cases of courses with mixed methods of assessment, will be required to rewrite only that component failed, unless the Campus Committee in any particular case decides otherwise. Marks allotted to the component passed at the first attempt will be credited to the candidate at his or her second attempt at the course.

2.4 In exceptional circumstances a third attempt may be granted by the Board for Graduate Studies and Research. In these instances, the Examiners may recommend a passing mark of no more than 50% as the final overall mark for the course.

2.5 The number of courses in which a candidate may be permitted a repeat examination shall be specified in the Requirements for the particular programme, subject to the approval of the Board for Graduate Studies and Research.

2.6 Candidates who repeat the examination in any course shall not be eligible for the award of a diploma or degree with distinction.

2.7 The conduct of examinations in conformity with these Regulations and the decisions of the Senate shall be under the overall administrative control of the University Registrar. However, the Campus Registrar shall act on the advice of either the Chair of the Board for Graduate Studies and Research or the Chair of the relevant Campus Committee for Graduate Studies and Research, who shall consult the relevant Dean and Head of Department.

2.8 Any of these Regulations for examinations of graduate diplomas and degrees may be waived by the Chair of the Board for Graduate Studies and Research, who shall report his or her action to the next meeting of the Board.

WRITTEN EXAMINATIONS

DECLARATION OF INTEREST

2.9 (a) All categories of staff are required to submit a declaration of interest to the Campus Registrar if they have a relative writing an examination in which they are involved. Failure to comply with this regulation will result in the candidate's results being declared null and void and the staff member being reported to the Disciplinary Committee.

(b) Where a member of staff has a relative writing examinations for a course taught by him or her, that member shall be divorced from the setting of the examination paper and another Examiner must be appointed to set the paper and to examine a sample of the scripts, including the script(s) of the relative. Such sample should comprise 10% of the total scripts but in no case be fewer than five scripts.

(c) For the purposes of these Regulations, a person shall be deemed to be related to the candidate as a parent, child, grandparent, grandchild, step-parent, step-child, sibling, spouse, fiancé, fiancée, or cohabitee, or any offspring of the above.

APPOINTMENT OF EXAMINERS

1.10 Examiners shall be appointed by the Campus Committee, following receipt of nominations from Faculty Boards. Such nominations should be submitted to the Campus Registrar no later than two months prior to the date of the examination.

2.11 Every written examination for a Graduate Diploma or degree, whether taken at one time or in sections, shall be set and graded by two Internal Examiners, one of whom shall be appointed First Examiner.

2.12 The minimum qualifications required for an Internal Examiner are:
- (a) An appointment in the grade of Lecturer or above;
- (b) A record of scholarly publications;
- (c) At least three years' experience as an Examiner at an approved University.

2.13
- (a) A Head of Department wishing to recommend for appointment as an Examiner a staff member who does not satisfy one or more of the qualifications listed in Regulation 2.12 shall make an appropriate case to the Campus Committee.

- (b) In instances where part-time members of staff are being recommended as Internal Examiners, their degrees, relevant qualifications, lists of publications, University titles and current academic appointments shall be submitted to the Campus Committee.

2.14 The Campus Committee shall recommend to the Board for Graduate Studies and Research those courses, or groups of courses, in which it is not necessary to appoint External Examiners or in which it is desirable to appoint Independent Examiners.

2.15 External Examiners shall be appointed by the Campus Committee following receipt of nominations from the relevant Head of Department.

2.16 A person who is currently a member of staff, or on the Council, the Campus Council or the University Strategy and Planning Committee, or who has so served within the prior five-year period, shall not be appointed External Examiner.

2.17 An External Examiner shall not be appointed for more than three years in the first instance. Such appointment may not be extended beyond one additional three-year period, unless the Board for Graduate Studies and Research in any particular case otherwise decides.

2.18 At the time of nomination of External Examiners, their degrees, relevant professional qualifications, lists of publications, University titles and current academic appointments shall be submitted to the relevant Campus Committee for approval.

DUTIES OF EXAMINERS AND HEADS OF DEPARTMENTS

2.19 The setting of the examination question paper should be based on full consultation between the Internal Examiners and should normally reflect the consensus of all Examiners concerned.

2.20 The duties of the First Examiner shall include:
- (a) Preparing a camera-ready copy of the question paper and a marking scheme;

- (b) Ensuring that all scripts are seen by at least two Examiners;

- (c) Determining the marks, including reconciling the marks between different Examiners where necessary, and preparing the marksheets;

- (d) Forwarding copies of the signed component marksheets by the prescribed deadline to the Campus Registrar on completing the examination of each course; (e) Forwarding to the External Examiner through the Campus Registrar, on completion of marking: marksheets appropriately signed; the question paper(s); the relevant marking schemes; solutions and other relevant material including approved course descriptions; and a sample of the scripts and coursework assignments covering performance at all grades, chosen in consultation with the other Internal Examiners (see Regulations 2.29, 2.32, 2.67).

2.21 The Head of the Department, or his or her nominee, is responsible for the administrative arrangements involved in the setting and marking of examination papers and the submission of draft papers to the Campus Registrar. In cases where the Head of the Department, or his or her nominee, encounters problems in ensuring the smooth running of the examination process, he or she shall notify the Campus Registrar in writing, with a copy to the person(s) appropriate.

2.22 The Internal Examiners shall be responsible for the preparation of draft question papers for the marking of other examination exercises, and for participation in oral examinations where required.

2.23 All Examiners marking scripts must perform full examining duties (as defined in the University Examination Regulations for First Degrees, Diplomas and Certificates).

2.24 The First Examiner shall be in attendance at the start and during the first half hour of each written examination, except where the written examination requires the expertise of more than one Internal Examiner in which case all Internal Examiners shall be present. In such circumstance where there are no resident Examiners, the First Examiner shall be available for the first half hour of the examination to respond to telephone enquiries.

2.25 The Head of Department or his nominee shall use his or her best efforts to ensure that:

(a) The agreed examination papers are submitted to the Campus Registrar by the dates prescribed, and that such question papers are signed by the Internal Examiners;
(b) The examination papers are checked for accuracy by the Internal Examiner(s), at least two days before the examination;
(c) The scripts are marked by both Internal Examiners;
(d) The scripts, signed marksheets and other relevant examination material are returned to the Campus Registrar within three weeks of the date of the examination.

2.26 In cases where the Head of the Department, or his or her nominee, encounters problems in ensuring the smooth running of the examination process, he or she shall notify the Campus Registrar in writing, with a copy to the person(s) as appropriate.

2.27 All Examination material shall be addressed to the Campus Registrar under confidential cover, and shall be handed in personally to the Examinations Section by the Head of Department or by the First Examiner. In no circumstance shall a script or other completed examination exercise leave a country unless it has been marked by at least one Internal Examiner, or a facsimile copy has been made. Lost examination scripts will be dealt with as outlined in the University Examination Regulations for First Degrees, Associate Degrees, Diplomas and Certificates save that the reference therein to the Chair, Campus Committee on Examinations will be taken to mean Chair, Campus Committee for Graduate Studies and Research.

2.28 Consultation on the examination papers and scripts shall be conducted through the relevant Campus Registrar.

2.29 There may be full External Examination of any course or External Examination through post facto review. Full External Examination of courses apply to at least the first two years of every new programme after which External Examination will normally be post facto.

2.30 The minimum duties of the External Examiner in the Full External examination process shall be:

(a) to review and comment on the examination paper(s) and such other examination material as may be referred to him or her by the First Examiner through the Campus Registrar;

(b) to assess students' examination scripts, coursework assignments (when sent to the External Examiner; see Regulation 2.67) and other responses, and to recommend marks in any case in which he or she does not agree with the mark awarded by the Internal Examiners. The External Examiner shall include in his or her report the reasons for any substantial disagreements so indicated. When such disagreements affect the issue of pass or fail, the External Examiner should submit his or her mark to the appropriate Campus Registrar as soon as possible;

(c) to report to the relevant Campus Registrar within six weeks of the receipt of the scripts on the standard of the examinations as a whole;

(d) to comment in the report on the relevance of the examination paper(s) and coursework topic(s), as appropriate, to the course objectives;

(e) to comment on comparability of the course(s) with those in similar programmes in other institutions, and to make recommendations where appropriate for the general improvement of the course(s).

2.31 In the case of Full External Examination, the External Examiner shall receive:
(a) Course descriptions and all its elements;
(b) The examination scripts and other relevant examination material;
(c) The marksheets appropriately signed;
(d) The approved examination question paper(s) and, where appropriate, solutions;
(e) The coursework assignments, where relevant (see Regulation 2.64).

2.32 With respect to External Examination through post facto review, the External Examiner shall receive, for each of the courses for which he or she is responsible, a copy of the approved course description and all its elements, the question paper, the marksheet, marking scheme and solutions, a representative sample of the scripts, and where relevant (see Regulation 2.64), a sample of the coursework and any Master's project reports.

2.33 The duties of the External Examiner in post facto reviews shall include:
(a) Undertaking a review of the standard of each examination after the scripts have been marked, and where relevant (see Regulation 2.64), of the standard of the coursework;

(b) Acting as a reviewer, and advising in this capacity on curricular matters in the area of study to which he or she is appointed;

(c) Writing a report to the Campus Registrar on each course examined. Copies of reports of External

(d) Examiners shall be sent by the Campus Registrar to the relevant Head of Department, Faculty Dean and Campus Committee. The External Examiner shall submit his or her report no later than four weeks after the receipt of the scripts.

2.34 Each External Examiner shall return to the Campus Registrar, in sealed registered packets, all scripts, marksheets and such other examination materials as may have been referred to him. These should be sent by airmail unless they need to be returned more urgently for the attention of the Board of Examiners.

2.35 Copies of reports from External Examiners shall be sent by the Campus Registrar to the relevant Campus Committee, Faculty Dean and Head of Department.

CONFIDENTIALITY AND FORMAT OF QUESTION PAPERS

2.36 The confidentiality of all examination matters shall be preserved.

2.37 (a) The final draft question paper(s) shall be signed by the Internal Examiners and shall be on such form(s) as the University Registrar may prescribe.

(b) The final approved question paper(s) shall be printed or otherwise reproduced as prescribed by the Campus Registrar.

(c) No question paper shall be adopted as an examination paper unless it has been signed by the Internal Examiners.

2.38 Examiners must not transmit question papers by unsecured means.

CONDUCT OF WRITTEN EXAMINATIONS

2.39 Instructions to candidates taking written examinations, and duties of Invigilators, shall be as in the University Examination Regulations for First Degrees, Diplomas and Certificates, except that functions assigned to the Campus Committee on Examinations, its Chair, or the Chair of the Board for Undergraduate Studies, shall be performed respectively by the Campus Committee for Graduate Studies and Research, its Chair, or the Chair, Board for Graduate Studies and Research.

2.40 The dates of all examinations, other than Special Examinations, shall be as prescribed by the Campus Registrar.

2.41 The Examination Timetable, in respect of written examinations, shall be published at least one month before the examinations begin. Any changes in dates after publication shall be brought to the attention of candidates by means of additional notices posted on the official Examination Notice Board or an approved electronic medium at each Campus. Candidates will not be informed individually of such changes. In no case will any such change be made later than one week prior to the commencement of the series of examinations.

2.42 Each Chair of a Campus Committee is authorised to grant permission for the holding of a Special Examination on the recommendation of the relevant Head of Department.

2.43 Examinations being taken by both full-time and part-time students will be scheduled in accordance with the full-time programme.

2.44 No candidate shall be admitted to any examination unless:

(a) He or she has satisfied all the requirements and passed all the qualifying examinations prescribed in the Programme Requirements; or

(b) He or she has been exempted from any such requirements by the Campus Committee on the recommendation of the relevant Head of Department.

2.45 Any candidate who has been absent from the University for a prolonged period during the academic year for any reason other than certified illness, or whose attendance at prescribed lectures, classes, practical classes, tutorials or clinical instructions has been unsatisfactory, or who has failed to submit essays or other exercises set by his or her teachers, may be debarred from the relevant University examination(s) by the Board for Graduate Studies and Research, on the recommendation of the relevant Head of Department.

2.46 Any student who, having registered for a course, fails to take the examination shall be deemed to have failed the examination unless the Board for Graduate Studies and Research, on the recommendation of the relevant Head of Department, in any particular case decides otherwise.

2.47 If the performance of a candidate in any part of any examination is likely to have been affected by factors of which the Examiners have no knowledge, the candidate may report the circumstances in writing to the Campus Registrar. If the candidate decides to report such circumstances, he or she must do so within seven days of that part of the examination which may have been affected.

2.48 The Campus Registrar may pass the information referred to in Regulation 2.47 to the Chair of the Board of Examiners, if in his or her opinion it is likely to assist the Examiners in the performance of their duties. Boards of Examiners shall not take cognizance of illness, or other circumstances claimed to affect the performance of candidates, if these have not been referred to them by the Campus Registrar.

2.49 Any student who, for reason of permanent or temporary incapacity, desires special arrangements during examinations shall apply to the Campus Registrar through the relevant Dean of the Faculty or Head of Department. The arrangements desired should be specified, and the Campus Registrar may require a Medical Certificate as proof of such incapacity. Such student(s) shall be given extra time in which to write the relevant examination(s). The Campus Registrar shall inform the Board of Examiners of the circumstances in which the examination was performed.

2.50 Any amanuensis or secretarial assistance provided to students with special needs shall be approved by the Campus Registrar. The University will normally defray the additional costs involved.

2.51 In cases of illness, the candidate shall present to the Campus Registrar a medical certificate, as proof of illness, signed by the University Medical Officer or by other Medical Practitioners approved for this purpose by the University. The candidate shall send the medical certificate to the Campus Registrar within seven days from the date of that part of the examination in which the performance of the candidate is affected. A certificate received after this period will be considered only in exceptional circumstances.

2.52 Where, in the opinion of the University Medical Officer or any other approved Medical Practitioner concerned, a student is unable to submit a medical certificate in person, the University Medical Officer may do so on his behalf, within the time period prescribed in Regulation 2.51.

2.53 In the case of written examinations, every script shall bear the candidate's ID number but not his or her name.

2.54 The place, time and date at which a written examination shall be held will be determined by the Campus Registrar.

COURSEWORK REGULATIONS

2.55 Any coursework component, which is intended to count towards the final mark for a course, must be approved by the Board for Graduate Studies and Research.

2.56 The relevant Head of Department or Nominee must advise the students in writing about the coursework requirement before the end of the second week of the semester in which the coursework assignment is due, unless the Campus Committee in any particular case otherwise decides. Copies of this advice must be posted on the appropriate Faculty or Department Notice Boards or an approved electronic medium.

2.57 The submission date(s) of coursework assignments which count towards the final mark for a course shall be posted on Faculty or Departmental Notice Boards or an approved electronic medium at least two weeks in advance of the submission date(s) for the particular assignments.

2.58 Any student who fails to submit by the posted submission date, a coursework assignment which is intended to count towards the final mark for a course shall be deemed to have failed the assignment unless the Campus Committee, on the recommendation of the relevant Head of Department, in any particular case otherwise decides.

2.59 In the case of written examinations of coursework, the Lecturer or Internal Examiner for the course shall be present for at least the first half hour of the examination, and appropriate invigilation shall be arranged by the relevant Head of Department or Examinations Section where appropriate for the entire examination.

2.60 In the case of written examinations of coursework, the Examinations Section shall determine the place, time and date at which the examination will be held, and this information shall be posted on the relevant Faculty or Departmental Notice Boards or an approved electronic medium at least two weeks in advance of the examination date.

2.61 For all coursework assignments, and for written examinations of coursework, the candidate's work must bear either the candidate's ID number or his or her name, as prescribed by Faculty Regulations.

2.62 Coursework assignments and examinations should be examined by at least two Internal Examiners. Where the Internal Examiners fail to agree on a coursework mark, the Head of Department shall determine the coursework mark in consultation with the Internal Examiners. In such a case, he or she must submit a full report to the Campus Committee.

2.63 Internal Examiners are permitted to inform students of their grades and marks for individual pieces of coursework as soon as an agreed grade and mark are available.

2.64 In cases where coursework counts for more than forty percent (40%) of the total assessment of a course, the coursework must be sent to the External Examiner in accordance with Regulations 2.29 and 2.32.

2.65 For all coursework assessment, the First Examiner is required to submit to the Head of Department, before the date of the written examination for the course, a coursework marksheet indicating marks for each coursework component and the final coursework percentage and grade.

2.66 In respect of any courses in which the students collaborate in teams and submit team reports as components(s) of their coursework requirements, the report of each team may identify which portions of its contents have been contributed by which student. All coursework shall be written work except where the Board for Graduate Studies and Research gives approval for an alternative procedure.

ORAL EXAMINATIONS

2.67 The Examiners appointed to examine a written paper may put oral questions to a candidate in any case in which they believe that this will help towards a more accurate assessment, if the Chair of the Campus Committee so approves.

2.68 In cases where a student fails a written examination of a course within 5% of the pass mark, the Examiners may recommend an oral examination to the Chair of the Campus Committee.

2.69 In cases of students failing the written examination component of a course on the first attempt, being allowed an oral examination, and performing satisfactorily in the oral examination, the Examiners shall recommend a passing mark of no more than 50% for the written component. This shall then be combined with the coursework mark to obtain the final overall mark for the course. In cases of students failing the written examination component of a course on the second attempt, being allowed an oral examination, and performing satisfactorily in the oral examination, the Examiners shall recommend a passing mark of no more than 50% as the final overall mark for the course.

2.70 The Campus Registrar shall set the time and place of the oral examination.

2.71 Oral examinations will be conducted by at least two Examiners, and chaired by the relevant Head of the Department or a senior member of the Faculty nominated by the Chair of the Campus Committee, if the Head of the Department is absent or is an Examiner. A report of the examination must be submitted to the Campus Committee.

2.72 The Examiner of an oral examination shall not serve as Chair.

2.73 The Examiners at an oral will normally be the persons who examined the written paper, but if one Examiner is not available, the Chair of the Campus Committee, in consultation with the relevant Head of Department, may appoint another Examiner in his or her place.

EXAMINERS' MEETINGS

2.74 The marks obtained by all candidates in each course examined shall be presented by the Internal Examiners to a Board of Examiners.

2.75 The relevant Head of Department, or Faculty Dean, shall chair the Board of Examiners, unless in any particular case the Campus Committee otherwise decides.

2.76 The Board of Examiners shall consist of all of the Internal Examiners appointed for all of the courses offered in the Programme concerned, unless in any particular case the Campus Committee decides otherwise. The Campus Registrar must be notified in advance of all meetings of Boards of Examiners and shall attend. The Minutes of these meetings shall be prepared by the relevant Faculties.

2.77 The Chair of the Campus Committee may attend meetings of the Boards of Examiners.

2.78 In cases where full external examination of a course is retained and where the External Examiner's judgement of a candidate's performance is at variance with that of the Internal Examiners', each of the Internal Examiners shall be requested to provide a comment on the External Examiner's position for the guidance of the Board of Examiners and Campus Committee. Where the judgement of the examiners continues to differ, the Campus Committee shall determine the candidate's result in the light of the collective comments of all Examiners.

2.79 A list of candidates and their results in every examination, and the recommendations arising therefrom, shall be drawn up at each meeting of a Board of Examiners, signed by the Chair of the meeting, and communicated to the Campus Registrar within two weeks of the meeting for the approval of the Campus Committee.

2.80 All examination results and marksheets shall be approved and signed by the Chair of the Campus Committee.

2.81 (a) All proceedings at meetings of Examiners shall be strictly confidential. Except as provided for in (b) and (c) below, examination results, grades and marks shall not be communicated in advance of publication to anyone except to the appropriate officers of the University. Copies of examination marks circulated to Boards of Examiners shall be treated as secret and confidential. The First Examiner for the course may, after the official marksheet has been approved and signed, disclose the final mark to the student.

(b) Heads of Departments, Chairs of Boards of Examiners, or Chairs of Campus Committees are permitted, in cases where this is considered necessary, to advise students in relation to their continuing registration on the basis of their performance at examinations before the final examination results are published.

(c) In respect of coursework, Examiners may inform students of their marks and grades for individual pieces of coursework as provided for in Regulation 2.63.

(d) After publication of results, the relevant Campus Registrar is authorised to issue final examination marks and grades to individual students.

REVIEW OF EXAMINATION RESULTS

2.82 (a) A student who is dissatisfied with the results of his or her examination should report his or her dissatisfaction in writing to the Campus Registrar. Such a report must be made within two weeks of the publication of results.

(b) The Campus Registrar shall forward the student's report to the Chair of the Campus Committee.

(c) Only students who have failed a course may request to go through their script or coursework with the Examiner (utilizing any approved electronic teleconferencing system if necessary);

(d) Students may request to have their script or coursework re-marked by a new and independent Examiner.

2.83 The student may inform the Campus Registrar that he or she wishes to have the examination remarked and must pay the relevant fee to have this done.

2.84 The right to report dissatisfaction and request a remark shall apply to both the coursework and written examinations.

2.85 (a) Where a re-marking is requested, the Campus Registrar shall inform the Chair of the Campus Committee, who shall request the relevant Head of Department, or in his or her absence the relevant Faculty Dean, to nominate a new and independent Examiner from within or without the University for appointment by the Chair of the Campus Committee, to re-mark the examination script or coursework.

(b) Where the Head of the Department is an Examiner, the nomination shall be made by the Dean. Where both the Dean and the Head of the Department are Examiners, the Chair of the Campus Committee shall make the appointment after such consultation, as he or she considers appropriate.

(c) The new and independent Examiner no later than ten (10) days after receiving the script shall return the re-marked script or coursework with a written report and, where applicable, signed mark-sheet or grade-sheet to the Campus Registrar.

2.86 In the case of the re-marking of a script or coursework the mark of the new and independent Examiner shall be regarded as the final mark.

2.87 The Campus Registrar shall inform the candidate of the result of the re-marking.

2.88 Where the re-marking under Regulation 2.83 results in a higher mark than that previously recorded, the fee shall be refunded, provided that the increased mark results in a change of grade.

2.89 The results of the re-marking shall be conveyed by the Campus Registrar to the Chair of the Campus Committee, the Chair of the Board of Examiners and the relevant Head of Department.

SECTION 3 - REGULATIONS FOR THE EXAMINATION OF RESEARCH PAPERS, PROJECT REPORTS AND THESES APPOINTMENT OF EXAMINERS

3.1 Examiners shall be nominated by the relevant Head of Department at least three months before the proposed date of submission of theses, and at least two months before the proposed date of submission for research papers and project reports. Heads of Departments are required to submit the names of nominated Examiners to the Campus Committee on the prescribed form and to advise Internal Examiners of their nomination, in writing. These nominations shall remain confidential.

3.2 All Examiners shall be appointed by the Campus Committee on behalf of the Board for Graduate Studies and Research, on the recommendation of the relevant Head of Department.

3.3 For all research papers and project reports contributing to more than 25% of the programme credit rating, at least three Examiners shall be appointed, one of whom shall be external.

3.4 For all theses at least three Examiners shall be appointed including one Internal Examiner and two External Examiners. The Supervisor shall not be an Examiner of a thesis. One of the External Examiners shall be appointed as an Additional External Examiner who shall be engaged: (a) when the first External Examiner indicates that he/she is unavailable or unwilling to serve as an Examiner of the thesis; or (b) different recommendations are made by the Internal Examiner and the External Examiner as to whether the thesis should Pass or Fail.

3.5 For oral examinations, and for practical or written tests required by Examiners after reading theses, research papers or project reports, the Examiners shall be the same persons appointed by the Campus Committee, but the Board for Graduate Studies and Research may, at its discretion, appoint Examiners specifically for oral examinations.

3.6 The minimum qualifications required for an Examiner of a research paper or project report are:

(a) An appointment in the grade of Lecturer/Assistant Professor or above at an approved University;

(b) A record of scholarly publications;

(c) At least three years' experience as an Examiner at an approved University.

3.7 The Examiners (Independent Internal and External) of an MPhil, PhD or Professional Doctorate thesis are expected to be specialists and active researchers in their field, and should preferably have substantial experience in the supervision and examination of theses and should not be previously involved in the instruction or the work of the candidate being examined. The minimum qualifications required are:

(a) For MPhil and PhD degrees, an appointment in the grade of Associate Professor/Senior Lecturer or above;

(b) A record of scholarly publications;

(c) At least three years' experience as an Examiner at an approved University;

3.8 The Campus Registrar shall inform Examiners of their appointment by the Campus Committee.

EXAMINATION OF RESEARCH PAPERS AND PROJECT REPORTS

3.9 Research papers or project reports which constitute 25% or less of the programme credit rating shall be assigned a mark by each Internal Examiner who shall report to the Campus Registrar individually on his or her assessment of the work. Where the marks differ substantially, the final mark will be determined by the Campus Committee in accordance with the Manual of Procedures for Graduate Diplomas and Degrees.

3.10 Research papers or project reports for which the credit weighting is greater than 25% shall require examination by an External Examiner. Such project reports and research papers will be simultaneously examined by all Examiners who will each submit a report, a grade and a mark to the Campus Registrar. Should the marks of Examiners differ substantially the final mark will be determined by the Campus Committee in accordance with the Manual of Procedures for Graduate Diplomas and Degrees.

3.11 Examination of clinical research projects shall be governed by the relevant Regulations for Postgraduate Clinical Programmes.

3.12 The regulations applicable to examination of research papers are as follows:

(a) Candidates shall only be required to make corrections to research papers or project reports before the award of a final grade where minor corrections would enable an agreed marginal failure (45-49%) to be awarded the minimum passing mark (50%).

(b) A research paper or project report which has been failed by the Examiners will be allowed only one re-submission. The re-submission must be within a six-month period following initial notification of the failure. Re-submitted research papers or project reports will only receive the minimum passing mark (50%).

(c) Research papers or project reports assigned an A grade shall be deposited in the Campus Library. Research papers or project reports assigned a lesser grade may also be deposited, on the recommendation of the Supervisor to the Campus Committee.

(d) Candidates may be required to make corrections to research papers or project reports to be lodged in the Campus Library to ensure that such work reaches acceptable standards of presentation. Such corrections shall not alter the final grade assigned.

EXAMINATION OF THESES

ENTRY FOR EXAMINATION BY THESIS

3.13 A candidate must submit for the approval of the Campus Committee, the exact title of his or her thesis at the time when he or she applies for entry to the examination. An approved thesis title may not be changed except with the permission of the Campus Committee.

3.14 The MPhil candidate must have satisfactorily completed two (2) seminars before applying for the examination of the thesis. The PhD candidate must have satisfactorily completed three (3) seminars before applying for the examination of the thesis. The Professional Doctorate candidate must have satisfactorily completed seminars as specified in Programme and Faculty Regulations before applying for the examination of the thesis (See Regulation 1.68).

3.15 The candidate must apply to enter for the examination by thesis on the prescribed form not less than three months before the expected date of submission of the thesis. The application must be accompanied by the required examination fee.

3.16 The candidate must submit the Application for Examination of Thesis form to the Campus Registrar through the Supervisor who shall indicate his or her approval by signing a Certificate of Completion of Thesis/Research Paper/Project form. In signing a Certificate of Completion of Thesis/Research Paper/Project form, the Supervisor will be required to certify:

(a) whether, to the best of his or her knowledge, the work in the thesis was done by the student,

(b) whether, in the Supervisor's opinion, the thesis is ready for examination, and

(c) whether the student has indicated that the work was checked for plagiarism.

3.17 If the Supervisor has concerns about the integrity of the thesis, he or she shall so indicate to the Campus Registrar, in writing, and the Campus Committee shall establish a Review Committee to assess the concern. In such circumstances, the Review Committee will make a recommendation to the Board for Graduate Studies and Research on the admissibility of the thesis for examination.

3.18 If, in the opinion of the Supervisor, the academic content or technical presentation of the thesis is such that the thesis is not ready for examination, he or she shall so indicate to the Campus Registrar and the candidate in writing. In such circumstances, the Campus Committee will meet with interested parties who may include the candidate, the Supervisor, the student's Committee of Advisors, the relevant Head of Department or, if the Head is Supervisor, the relevant Faculty Dean. Should the consensus from the meetings be that the thesis is not yet suitable for examination the student should be informed and counselled. Where the student insists on submitting the thesis for examination in the present form, the Board for Graduate Studies and Research may decide that it is appropriate to submit a report of the Campus Committee's deliberations to the Examiners.

3.19 Five copies of the thesis for examination shall be submitted to the Campus Registrar, one of these shall be an electronic copy submitted with written verification by the Supervisor.

3.20 A candidate for a graduate degree examined by thesis may not submit the thesis for examination on more than two occasions, and in any case, must submit the thesis within the time limits imposed for the particular degree (see Regulations 1.49, 1.50, 1.52-1.53).

FORM OF SUBMISSION OF THESES

3.21 Requirements for the presentation of theses are set out in the Thesis Guide published by the Board for Graduate Studies and Research. Theses which are not presented in accordance with the provisions of the Guide shall not be sent for examination.

ACCESS TO THESES

3.22 (a) At the time of submission every candidate shall sign a Declaration Form for the Reproduction of Thesis/ Research Paper/Project permitting access in the libraries of the University to the thesis, research paper or project report accepted for a graduate diploma or degree.

(b) Where a candidate has good reason, he/she may apply for an embargo, wholly or in part, to be placed on the reproduction and distribution of his/her Thesis/Research Paper/Project for three years after the date of its deposit.

EXAMINATION PROCEDURES FOR THESES

3.23 Candidates for degrees examined by thesis are required to satisfy the Examiners in such oral, practical or written examinations as stipulated by the Board for Graduate Studies and Research and in Faculty Regulations.

3.24 Examiners of theses are required to report to the Board for Graduate Studies and Research, through the Campus Registrar, within two months of the date of delivery of a thesis. The report shall contain:

(a) An evaluation of the thesis;

(b) A recommendation in accordance with Regulations 3.25-3.31 including an indication of whether high commendation should be awarded;

(c) (c) An indication of any changes in the thesis which the Examiner thinks should be made before the award of the degree.

3.25 Subject to Regulations 3.28-3.31, the Examiners of a PhD or Professional Doctorate thesis shall, after reading the thesis, examine the candidate orally and may, at their discretion, also examine the candidate by practical or written questions or by both of these methods.

3.26 If an Examiner of an MPhil or MD thesis deems that the thesis needs to be examined further, the candidate may be required to be examined by oral, practical, or by written examination, or by any combination of these methods.

3.27 If, in the opinion of the Examiners, an MPhil thesis is of such high standard and potential that it might be developed into a submission for the PhD degree, the Examiners may recommend that the candidate be permitted to transfer registration to the PhD and to submit within a timeframe specified by the Board, but it shall be the right of the candidate at any time to accept conferment of the MPhil degree.

3.28 If, in the opinion of the Examiners, a PhD thesis is of insufficient merit to justify the award of the PhD degree, the Examiners may, without further test, recommend that the candidate be permitted to resubmit the thesis with revision for the MPhil degree, or that the MPhil be awarded without further revision of the work.

3.29 The Examiners may, without further test, recommend that a thesis be rejected. A candidate whose thesis is rejected by the Board for Graduate Studies and Research after it has received reports from all of the Examiners, shall not be permitted to present the same thesis for examination, or a revised version of the thesis with the same title, unless re-approval of candidature has been granted by the Board for Graduate Studies and Research.

3.30 If, in the opinion of the Examiners, the thesis is inadequate, but of sufficient merit to justify a second attempt at the examination, the Examiners may, without further test, recommend that the candidate be permitted to resubmit the thesis for examination in a revised form. A candidate who is required by the Examiners to make such major changes to the thesis and to resubmit the thesis in a revised form for examination, must resubmit within eighteen months of the date of notification. The Campus Committee shall send to the candidate pertinent comments of the Examiners relating to the changes they propose.

3.31 If, in the opinion of the Examiners, the thesis is adequate but defective in minor ways which do not require it to be resubmitted for examination, they may require the candidate to make such amendments to the thesis as will remove the defects indicated, to the satisfaction of the Supervisor and/or Internal Examiner as determined by the Campus Committee, before the award of the degree. Subject to Regulation 3.31, such changes shall be made after the oral examination for PhD candidates. A candidate who is required by the Examiners to make such amendments to the thesis must do so within a period of six months after the date of notification.

3.32 If there are substantial differences in recommendations amongst the Examiners, the Chair of the Campus Committee may circulate the conflicting reports among the Examiners and attempt to arrive at a common position. If a common position among the differing Examiners cannot be reached, the Chair of the Campus Committee shall engage the Additional External Examiner who shall examine the thesis and report in accordance with Regulation 3.24.

3.33 If the reports of the Examiners indicate that a thesis requires extensive revision, but not re-submission, in accordance with Regulation 3.31, the Board for Graduate Studies and Research may direct that the candidate be requested to effect such revision to the satisfaction of the Supervisor and/or Internal Examiner prior to any oral examination. Such revision should be completed within twelve months of the date of notification.

3.34 If, in the opinion of the Examiners, the thesis is adequate but the candidate fails to satisfy the Examiners at the oral, practical, or written examination held in connection therewith, the Examiners may recommend that the candidate be permitted to submit to a further oral, practical or written examination within a period not exceeding eighteen months from the decision of the Board for Graduate Studies and Research. In such cases, the Board for Graduate Studies and Research may direct the candidate to effect any revision required to the satisfaction of the Supervisor and/or Internal Examiner prior to the further oral examination.

3.35 If, in the opinion of the Examiners, the thesis is adequate, and if the candidate satisfies the Examiners in any oral, practical or written examination required, the Examiners shall recommend that the degree be conferred. Where Examiners recommend conferment of the degree, they are required to certify that the thesis is worthy of publication as a thesis approved for the relevant degree of the University of the West Indies.

3.36 Oral examinations will be held within one month of receipt of the written reports of all of the Examiners, unless the Campus Committee in any particular case decides otherwise.

3.37 Candidates will be required to present themselves for any oral, practical or written examination at the time, place and date set, in writing, by the Campus Registrar.

3.38 An oral examination shall be chaired by a senior academic appointed by the Campus Committee and shall be attended by the Independent Internal and the External Examiner. In cases where the Additional External Examiner has been engaged, he/she shall also be present at the oral examination. Where there is a disagreement among the Examiners, the recommendation of the majority shall be accepted as the final recommendation to the Board for Graduate Studies and Research.

3.39 The Chair of the oral examination and the Examiners shall send a report on the oral examination to the Chair of the Campus Committee in which they shall report on the candidate's knowledge of his or her field of study and make a recommendation in accordance with the 3.34 and 3.35 of these Regulations. The report should provide the Board with the details of any further changes required of the candidate by the Examiners before recommending the award of the degree. The Chair of the Campus Committee shall forward the recommendation of the Examiners to the Board for Graduate Studies and Research for approval.

3.40 Candidates who

(a) fail to present themselves for any oral or written examination; or

(b) fail to re-submit a revised thesis within the time periods specified in these Regulations; or

(c) fail to satisfactorily make alterations in accordance with Regs. 3.28 and 3.31

and who have not been granted an extension in respect of Regulation 3.30, 3.31 and 3.33 shall be deemed to have failed the examination.

IMPLEMENTATION OF THE POSTGRADUATE GPA SYSTEM

Information for both NEW and CONTINUING students
First published August 2021. Updated October 2021.

As part of continued efforts to align the standards of The UWI more closely with international norms and best practice, a Grade Point Average (GPA) system was introduced with effect from the 2021/2022 academic year.

Will the new PG GPA apply to all postgraduate students and programmes?
No. It applies **ONLY** to students who were admitted and commenced **TAUGHT** postgraduate programmes (see exclusions below) **in or after** the **2021/2022 academic year**, referred to below as "New (GPA) Students". Taught postgraduate programmes refer to postgraduate certificates and diplomas, masters and professional doctorates, with some exclusions (see below).

It does **NOT** apply to **ANY** students admitted to postgraduate programmes (taught or research) **prior** to the **2021/2022 academic year**, referred to below as "Continuing (non-GPA) Students".

*Please remember that each student is bound by the regulations in force **on the date of admission to their programme**, as stated in their Faculty's Regulations Handbook published in that year. To find your applicable handbook, visit https://sta.uwi.edu/faculty-booklet-archive.*

Excluded Programmes
The new PG GPA system does **NOT** apply to students pursuing the following:

i. Research degrees (MPhil and PhD degrees) – all campuses
ii. Doctor of Medicine (DM) programme – all campuses
iii. Diploma in Family Medicine and Diploma in Emergency Medicine (DM) – all campuses
iv. Master of Fine Arts (MFA) – St. Augustine Campus

Exemptions & Variations
Exemption/variations within the application of the new PG GPA system will be applied to the following areas and programmes in the Faculty of Humanities and Education:

i. The Master's in Fine Arts (MFA) in Creative Writing – ***Exemption***
ii. The MA Spanish (Research Paper – SPAN 6009) – ***Variation***
iii. The Diploma in Education (Practicum Paper – EDTP 5002) – ***Variation***
iv. The Master's in Education – ***Variation***

How will Continuing (non-GPA) Students be affected?
Continuing students at the St. Augustine Campus need to be aware of the introduction of new Course Registration Numbers (CRN) to be used by new students only (see Changes to the Registration Process below). Otherwise, there are no changes for continuing students.

How will New (GPA) Students be affected?

- GPA is a representation of student performance on transcripts.
- Whether you pass a course or not, the quality points earned still count towards your GPA, meaning that all your efforts are considered.
- Quality points are earned even if students do not reach the threshold of a pass with coursework and/or final exam.
- If a student fails a single course twice, an automatic Required to Withdraw (RTW) will no longer apply.
- A student is not required to earn a 'Distinction' for their research projects in order to receive an overall 'Distinction'.
- An additional award category of 'Merit' has been introduced along with 'Pass' and 'Distinction' (see Award of Degrees below).
- It allows more efficient performance tracking, for both students and faculty.
- It provides a measurement of academic performance that makes for easy comparison by other international universities for the purposes of transfer and admission.

What does the PG GPA look like?

The introduction of the PG GPA follows the successful introduction of the GPA system at the undergraduate student level in 2003/2004. The grade bands for the PG GPA system are almost identical to those for the undergraduate GPA, except for the introduction of a new band – FCW/FWE, which is described below.

GRADE	Grade Point	% Range	Grade Definition	Grade Descriptor
A+	4.30	90–100	Exceptional	Demonstrates exceptional performance and achievement in all aspects of the course. Exceptional application of theoretical and technical knowledge that demonstrates achievement of the learning outcomes. Goes beyond the material in the course and displays exceptional aptitude in solving complex issues identified. Achieves the highest level of critical, compelling, coherent and concise argument or solutions within the course.
A	4.00	80–89	Outstanding	Demonstrates outstanding integration of a full range of appropriate principles, theories, evidence and techniques. Displays innovative and/or insightful responses. Goes beyond the material with outstanding conceptualisation which is original, innovative and/or insightful. Applies outstanding critical thinking skills.
A-	3.70	75–79	Excellent	Demonstrates excellent breadth of knowledge, skills and competencies and presents these in appropriate forms using a wide range of resources. Demonstrates excellent evidence of original thought, strong analytical and critical abilities; excellent organisational, rhetorical and presentational skills.
B+	3.30	70–74	Very Good	Demonstrates evidence of very good critical and analytical thinking in most aspects of the course. Very good knowledge that is comprehensive, accurate and relevant. Very good insight into the material and very good use of a range of appropriate resources. Consistently applies very good theoretical and technical knowledge to achieve the desired learning outcomes.
B	3.00	65–69	Good	Demonstrates good knowledge, rhetorical and organisational skills. Good insight into the material and a good use of a range of appropriate resources. Good integration of a range of principles, techniques, theories and evidence.
B-	2.70	60–64	Satisfactory	Displays satisfactory evidence of the application of theoretical and technical knowledge to achieve the desired learning outcomes. Demonstrates sound organisational and rhetorical skills.
C+	2.30	55–59	Fair	Demonstrates fair breadth and depth of knowledge of main components of the subject. Fair evidence of being able to assemble some of the appropriate principles, theories, evidence and techniques and to apply some critical thinking.
C	2.00	50–54	Acceptable	Demonstrates acceptable application of theoretical and technical knowledge to achieve the minimum learning outcomes required in the course. Displays acceptable evidence of critical thinking and the ability to link theory to application.
FCW/FWE	1.70	40–49		Fail Exam/Fail Coursework

F1	1.70	40–49	Unsatisfactory	Demonstrates unsatisfactory application of theoretical and technical knowledge and understanding of the subject. Displays unsatisfactory ability to put theory into practice; weak theoretical and reflective insight. Unsatisfactory critical thinking, organisational and rhetorical skills.
F2	1.30	30–39	Weak	Weak overall performance with very limited knowledge and understanding of the subject. Little evidence of theoretical and reflective insights. Weak organisational and rhetorical skills.
F3	0.00	0–29	Poor	Overall poor or minimal evidence of knowledge and understanding of the subject. Displays little ability to put theory into practice; lacks theoretical and reflective insights. Incomplete breadth and depth of knowledge on substantive elements of the subject. Little or no evidence of critical engagement with the material. Responses are affected by irrelevant sources of information, poor organisational and rhetorical skills.

Changes to the Registration Process
As the GPA system is phased in, we will have two categories of students (new GPA and continuing/legacy (non-GPA) registering for the same courses. The difference will be reflected in the course registration number (CRN) for each course.

When registering for courses, you will see two sets of CRN codes – one for continuing (non-GPA) students, and another for new students registering under the GPA system. All other course information is the same. Only the CRNs are different.

Please pay careful attention and use the codes that correspond with your status as either a new or continuing student. The Banner registration system has been set up to deal with this duality, and once grades are input via the Banner Software, GPA is calculated automatically.

For more on the registration process and to see the updated CRN codes and instructions, download the Online Registration Guide.

Award of Degrees
New students entering participating taught programmes in the 2021/2022 academic year as detailed above will be assessed and awarded degrees based on the Postgraduate GPA grading scale as follows:

GPA	CATEGORY
≥3.70	Distinction
3.30 – 3.69	Merit
2.00 – 3.29	Pass
< 2.00	Fail

Please note that

- the award of degree is based on the overall programme GPA.
- research projects will be considered similarly to other courses, so for a student who does not earn a 'Distinction' in their research project, it is still possible to be awarded a 'Distinction' in their overall programme once their programme GPA is ≥3.70.
- if a student fails or repeats a course, they will still qualify for a 'Distinction' if their overall programme GPA is ≥3.70.
- special requirements apply for the award of 'High Commendation' to professional doctorates (see regulation 14).

Continuing students and new students entering **programmes that are currently excluded** will be assessed and awarded according to the non-GPA systems included in this booklet for students' convenience.

Where can I get help or find out more?

- Visit www.uwi.edu/postgradgpa to learn more and find answers to frequently asked questions about the postgraduate GPA system.
- To see the full regulations governing the PG GPA, download the GPA Regulations for Graduate Certificates, Diplomas, Taught Masters and Professional Doctorate Programmes.
- For answers to specific questions, contact the Office for Graduate Studies & Research online.

UNIVERSITY REGULATIONS ON PLAGIARISM

GRADUATE DIPLOMAS AND DEGREES

APPLICATION OF THESE REGULATIONS

1. These Regulations apply to the presentation of work by a student for evaluation, whether or not for credit, but do not apply to invigilated written examinations.

DEFINITIONS

2. In these Regulations, "plagiarism" means the unacknowledged and unjustified use of the words, ideas or creations of another, including unjustified unacknowledged quotation and unjustified unattributed borrowing; "Level 1 plagiarism" means plagiarism which does not meet the definition of Level 2 plagiarism; "Level 2 plagiarism" means plagiarism undertaken with the intention of passing off as original work by the plagiariser work done by another person or persons.

3. What may otherwise meet the definition of plagiarism may be justified for the purposes of Regulation 2 where the particular unacknowledged use of the words, ideas and creations of another is, by the standards of the relevant academic discipline, a function of part or all of the object of the work for evaluation whether or not for credit, including without limitation:

   (a) The unacknowledged use is required for conformity with presentation standards;
   (b) The task set or undertaken requires producing a result by teamwork for joint credit regardless of the level of individual contribution;
   (c) The task set or undertaken requires the use of an artificial language, such as is the case with computer programming, where the use of unoriginal verbal formulae is essential.

4. The fact that a user enjoys the right of use of certain words, ideas and creations as a matter of intellectual property, does not justify their unacknowledged use under Regulations 2 and 3.

5. In these Regulations, "BGSR Regulations" means the University of the West Indies Regulations for Graduate Diplomas and Degrees; "Campus Co-ordinator" means the Campus Coordinator for Graduate Studies and Research.

EVIDENCE OF PLAGIARISM

6. In order to constitute evidence of plagiarism under these Regulations, there must be identified as a minimum the passage or passages in the student's work which is/are considered to have been plagiarised and the passage or passages from which the passages in the student's work are considered to have been derived.

STUDENT CERTIFICATION

7. When a student submits for examination prepared work under Regulation 1, the student shall sign a statement, in such form as the Board for Graduate Studies and Research may prescribe, that the work submitted is free of plagiarism including unattributed unjustified quotation or paraphrase. The student may utilize electronic vetting to facilitate the assessment and certification. The results of the electronic vetting shall be provided to the Supervisor by the student when the work is submitted to the Supervisor for approval to submit for examination.

8. Quotation or paraphrase is attributed for the purpose of Regulation 7 if the writer has indicated that the work is not the writer's own, even if the source is not identified.

9. Absence of certification does not prohibit the University from proceeding with a charge of plagiarism.

ELECTRONIC VETTING FOR PLAGIARISM BY THE UNIVERSITY

10. The Campus Coordinator may authorise or direct the Faculty Office, or other authorized body on behalf of the Campus Committee, that the work submitted under Regulation 7 be subjected to further electronic scrutiny in order to verify its freedom from plagiarism before being submitted to the Examiners. The results of the electronic vetting shall be submitted to the Campus Coordinator, the Dean and the Head of Department, and shall be considered in determining whether the University proceeds with submission of the work to the Examiners. The results of such electronic vetting although capable, where the requirements of Regulation 6 are satisfied, of constituting evidence under these Regulations, are not thereby conclusive of any question as to whether or not plagiarism exists.

11. Where suspected plagiarism is detected, whether through the procedures outlined in Regulation 10, or whether subsequently during the course of examination, the person(s) detecting the suspected plagiarism, whether the Dean, Head of Department or Examiner, shall:

    (a) where there is suspected evidence of Level 1 plagiarism in work which does not constitute a thesis or major project report (defined as the report comprising 25% or more of the total credits for the programme), refer the matter to the Examiners for their consideration as a charge of Level 1 plagiarism under Regulation 12; **OR**

    (b) where there is suspected evidence of Level 1 plagiarism in a thesis or major project report, refer the matter to the Campus Coordinator as a charge of Level 1 plagiarism under Regulation 13; **OR**

    (c) where there is suspected evidence of Level 2 plagiarism, refer the matter to the Campus Coordinator as a charge of Level 2 plagiarism under Regulation 19.

LEVEL 1 PLAGIARISM

PLAGIARISM IN WORK WHICH DOES NOT CONSTITUTE A THESIS OR MAJOR PROJECT REPORT

12. In work submitted for examination which does not constitute a thesis or major project report under the University Regulations for Graduate Degree and Diplomas, and where the Examiners are satisfied that Level 1 plagiarism has been committed, they shall levy a penalty for the Level 1 plagiarism charged in the form of a reduction in the marks which would have otherwise been awarded. The First Examiner must inform the Campus Registrar of the penalty levied and of the evidence of plagiarism. When the normal examination process is complete, the Campus Registrar must communicate this information to the student.

PLAGIARISM IN THESES AND MAJOR PROJECT REPORTS

13. In the case of theses and major project reports, evidence of Level 1 plagiarism must be reported to the Campus Co-ordinator to support a charge of Level 1 plagiarism by the Dean, the Head of Department or an Examiner, where the person making the report considers that Level 1 plagiarism has been committed. Such a report and charge may be made regardless of the outcome of any scrutiny under Regulation 10.

14. If the Campus Co-ordinator considers that Level 1 plagiarism has been committed as charged, the Campus Co-ordinator shall return the submitted work to the student for revision and resubmission within a period determined by the Campus Coordinator but which may not exceed one year. The outcome and the penalty levied shall be reported to the Board for Graduate Studies and Research and the University Registrar. The University Registrar shall inform the student of the outcome of the assessment and the penalty levied.

APPEALS

15. In the case of work which is neither a thesis nor a major project report, a student may appeal against the finding of plagiarism or the penalty levied under Regulation 12 to the Head of Department or, where the Head of Department is the First Examiner who has levied the penalty, to the Dean. Where the same person discharges both the functions of Dean and Head of Department and is also the First Examiner who has levied the penalty, the appeal is to the Campus Co-ordinator.

16. In the case of theses and major project reports, the student may appeal to the Board for Graduate Studies and Research from a decision of the Campus Co-ordinator under Regulation 14.

17. The Board for Graduate Studies and Research, the Campus Co-ordinator, the Dean or the Head of Department, as the case may be, hearing the appeal, in a Level 1 plagiarism case, may hear the appeal by correspondence. In the case where the Board or person hearing the appeal is not satisfied that there has been plagiarism, or considers that the penalty levied was excessive, they may allow the appeal or remit or reduce the penalty accordingly.

18. The Board for Graduate Studies and Research, Campus Co-ordinator, Dean or Head of Department, hearing the appeal, as the case may be, shall report the outcome of the appeal to the Campus Registrar, who shall advise the student accordingly.

LEVEL 2 PLAGIARISM

19. When a Campus Co-ordinator receives a report of suspected Level 2 plagiarism under Regulation 11c, whether the evidence is in a thesis, a major project report or in work which does not constitute either a thesis or major project report, the Campus Coordinator may either:
    (a) where not concurring with the identification of evidence of Level 2 plagiarism, communicate with the person(s) reporting the suspected plagiarism, whether the Dean, Head of Department or Examiner, declining to proceed further in relation to the Level 2 proceedings, and shall in addition:
        (i) indicate that the decision is intended to preclude the invocation of the procedures for Level 1 plagiarism; **OR**
        (ii) indicate that the avenue is open for the matter to be treated as a case of suspected Level 1 plagiarism under Regulation 12 in work which does not constitute a thesis or major project report, or as a case of suspected Level 1 plagiarism under Regulation 13 in work which constitutes a thesis or major project report; or

    (b) refer the matter to the University Registrar who shall inform the person(s) reporting the suspected plagiarism and the student that there is a case to be answered, subject to an application under Regulation 20.

20. Where the Campus Co-ordinator replies in the terms of Regulation 19a, the Dean, Head of Department or Examiner may apply, no later than the elapse of two complete calendar weeks after the reply has been notified, through the University Registrar to the Chair of the Board for Graduate Studies and Research seeking a reversal of the Campus Coordinator's decision.

21. The Chair of the Board for Graduate Studies and Research may:
    (a) where concurring with the identification of evidence of Level 2 plagiarism, uphold the application in Regulation 20and treat the case as one which has been referred to the Chair under Regulation 19b; or

    (b) deny the application.

22. A denial by the Chair of the Board for Graduate Studies and Research of an application under Regulation 21b is, subject to Regulation 32, conclusive in relation to an allegation of Level 2 plagiarism in the case under consideration.

23. A denial by the Campus Co-ordinator under Regulation 19a which is, after the elapse of three complete calendar weeks after the reply has been notified, not the subject of an application under Regulation 20, or a denial by the Chair of the Board for Graduate Studies and Research under Regulation 21b, terminates the proceedings on the plagiarism charge, subject to Regulation 32 and save to the extent that the Campus Co-ordinator has ruled otherwise under Regulation 19aii.

24. Where the matter has been referred under Regulation 19b or an application has been upheld under Regulation 21a, the Chair of the Board for Graduate Studies and Research, at the request of the University Registrar, shall establish a Committee of Inquiry comprising:
    i. The Chair of the Board for Graduate Studies and Research or his/her nominee.
    ii. One Academic Board representative from each campus sitting on the Board for Graduate Studies and Research.
    iii. One postgraduate student representative from among those sitting on the Board for Graduate Studies and Research.

    Four members of the Committee including the Chair shall constitute a quorum.

25. The Committee of Inquiry is not a court of law but the hearing shall be conducted in accordance with the rules of natural justice. The Committee may summon witnesses to give evidence.

26. The Committee of Inquiry reserves the right to have legal representation.

27. The student shall be given a written notice from the University Registrar specifying the allegations of the Level 2 plagiarism, along with a copy of all material relevant to the charge and made available to the Committee, at least fourteen days before the hearing of the allegation and within one calendar month of the case first being reported to the Campus Co-ordinator.

28. The student shall have a right to appear before the Committee of Inquiry and to be accompanied or represented by a friend or by an attorney-at-law whose expenses will be borne by the student.

29. The student shall have the right to ask questions of witnesses, to call his/her own witnesses, to make statements on his/her own behalf, and to make submissions.

30. If the student fails to make an appearance before the Committee of Inquiry and does not offer a satisfactory excuse, the Committee of Inquiry may hear the case in the student's absence.

31. Where a Committee of Inquiry has been established under Regulation 24, the procedure under these Regulations prevails, subject to Regulation 32, over any other disciplinary proceedings against the student based on the same facts and, without prejudice to Regulation 38. Any other such disciplinary proceedings must be terminated, subject to being re-opened to consider a recommendation of the Board for Graduate Studies and Research under Regulation 34b.

32. Where other disciplinary proceedings based on the same facts have been completed or have reached the stage of a hearing, whichever comes first, any procedure under these Regulations based on a charge of Level 2 plagiarism shall be terminated.

33. (i) If the Committee of Inquiry is satisfied, after holding a hearing, that the student has committed Level 2 plagiarism, it shall in making a determination on the severity of the penalty take into consideration:
    (a) the circumstances of the particular case;
    (b) the seniority of the student; and
    (c) whether this is the first or a repeated incidence of plagiarism by the student.

    (ii) Where a determination on the severity of the penalty has been made, the Committee of Inquiry shall report its conclusions and recommendations to the Board for Graduate Studies and Research which shall:
    (a) if the work in which the plagiarism occurred was not a thesis or major project report, fail the student in the assignment and hence the course in which the assignment was submitted, with the option to re-take the course at a time specified by the Board;

    (b) if the work in which the plagiarism occurred was a major project, fail the student in the project report, with the option to re-do and re-submit a project report on a different topic at a time specified by the Board;

    (c) if the work in which the plagiarism occurred was a thesis, either:
        (i) find the thesis to be inadequate, requiring re-submission of the revised thesis within eighteen months of the date of notification; **OR**
        (ii) fail the thesis, with no allowance for resubmission.

34. The Board for Graduate Studies and Research may also, if the Committee of Inquiry so recommends after being satisfied that the student has committed Level 2 plagiarism, **EITHER:**
    (a) exclude the student from all further examinations of the University for such period as it may determine; **OR**

    (b) recommend to the relevant Academic Board that the student should be dismissed from the University, with or without the possibility of re-entry.

35. The decisions taken by the Board for Graduate Studies and Research following receipt of the conclusions and recommendations from the Committee of Inquiry with respect to the outcome of the hearing and the severity of the penalty shall be communicated by the Chair of the Board to the University Registrar who shall inform the student, the Dean, the Head of Department and the Examiners of the decisions taken.

CLEARANCE ON A CHARGE OF LEVEL 2 PLAGIARISM

36. If the Committee of Inquiry is not satisfied, after holding a hearing, that the student has committed Level 2 plagiarism, it will direct the Campus Coordinator to reply to the Dean, the Head of Department, the Examiners and the student, through the University Registrar, advising them of the decision against proceeding further on the charge of Level 2 plagiarism, and may in addition:
    (a) indicate that the decision is intended to preclude the invocation of the procedures for Level 1 plagiarism; **OR**

(b) indicate that the avenue is open to pursue the matter as a case of Level 1 plagiarism under Regulation 12 in work which does not constitute a thesis or major project report, or as a case of Level 1 plagiarism under Regulation 13 in work which constitutes a thesis or major project report.

37. A determination of the Committee of Inquiry under Regulation 33 terminates the Level 2 plagiarism proceedings and also precludes any further Level 1 plagiarism proceedings except as indicated by the Committee of Inquiry under Regulation 36b.

APPEAL TO THE SENATE

38. A student may appeal to the Senate from any decision of the Board for Graduate Studies and Research under Regulations 33 and 34a and of Academic Board under Regulation 34b.

DELEGATION BY DEAN OR HEAD OF DEPARTMENT

39. The Dean or Head of Department, as the case may be, may generally or in a particular instance delegate that officer's functions under these Regulations.

SUPERVISOR'S CONFLICT OF INTEREST

40. Any person who has at any time been a supervisor of work in relation to which an issue of plagiarism is being considered under these Regulations must withdraw from performing any functions under these Regulations other than those of supervisor and examiner.

DEFINITIONS AND NOTES

In Sections 1, 2 and 3 of these Regulations for Graduate Diplomas and Degrees:

CAMPUS COMMITTEE means the Campus Committee for a Campus of the Board for Graduate Studies and Research;

DEPARTMENT includes an Institute, Centre or other Unit of Learning and Research;

HEAD OF DEPARTMENT means the Head, however styled, of a Department;

PROGRAMME means a selection of courses (designed to achieve pedagogical goals) the taking of which is governed by certain regulations and the satisfactory completion of which (determined by such regulation) makes a candidate eligible for the award of a degree/diploma or certificate;

ADMISSION TO A PROGRAMME means the acceptance of the candidate's right to register to participate in the Programme as a student;

CAMPUS REGISTRAR includes any Assistant Registrar made responsible by the Campus Registrar for the administration of matters pertinent to Graduate Studies and Research.

A PERIOD OF ONE (1) YEAR FULL-TIME is equivalent to two (2) years part-time, but see Regulations 1.58-1.63. These Regulations should be read in conjunction with the Manual of Procedure.

GENERAL INFORMATION ON POSTGRADUATE STUDIES IN THE FACULTY

1. SCHOOL FOR GRADUATE STUDIES AND RESEARCH (SGS&R)

The School for Graduate Studies and Research has the overall responsibility for the development of graduate studies and research on all four campuses of The University of the West Indies. The School is chaired by its Director, PVC (Graduate Studies) and is governed by the Board for Graduate Studies and Research. There is a committee of the SGS&R on each campus called the Campus Committee for Graduate Studies and Research. The SGS&R works closely through these four Campus Committees to manage and administer activities related to research and graduate studies. The School assists academic departments with the maintenance and development of coherent graduate studies programmes and, through the Board for Graduate Studies and Research, approves the establishment of new postgraduate programmes and the award of degrees.

2. Types of Graduate Programmes Offered in the Faculty of Food and Agriculture

The Faculty offers a wide range of certificates, diplomas, taught Master's degrees as well as research degrees (MPhil and PhD).

(A) TAUGHT PROGRAMMES

The programmes for the Master of Science (MSc) degrees and for Postgraduate Diplomas consist mainly of a set of lectures, seminars, coursework assignments and either a project or a research paper. The Faculty also offers Diplomas and Certificates by distance

(B) (I) RESEARCH DEGREES

The Master of Philosophy (MPhil) and the Doctor of Philosophy (PhD) degrees are research degrees. Research degrees involve independent study, directed by one or more supervisors. All MPhil and PhD programmes of study culminate in the presentation of a thesis conveying the results of the independent study and research carried out by the graduate student. It is necessary that graduate students, supervisors, advisory committees and examiners ensure that the qualitative and quantitative distinction between the MPhil Degree and PhD Degree be understood and maintained.

(II) THE MPHIL THESIS

The MPhil thesis reviews the state of knowledge in a particular field, creates and evaluates a new design or novel experiments in a particular aspect of an area of study or makes an appropriate critique or interpretation of the subject. The Master's Thesis should be evidence of the graduate student's ability to effectively review the relevant literature in the field, to undertake independent research and to present the results in a clear, systematic and scholarly form.

It is normally expected that a Master's Thesis will make some independent contribution to knowledge or understanding in the subject area in which the student is working.

(III) THE DOCTORAL THESIS

A Doctoral thesis must set forth a significant contribution to knowledge or understanding, adding to or critiquing through approved research methodologies the current theoretical underpinnings and empirical base in the student's field of study.

The thesis must be set forth in a scholarly manner demonstrating the original and independent investigations conducted and setting forth unambiguously its achievements, contributions and findings in a format appropriate to Doctoral Theses in the particular discipline.

The Doctoral Thesis must reflect not only mastery of the subject area under investigation and competence in research techniques, but also the ability to select an important problem for investigation and to deal with it in a mature, competent manner.

The Doctoral Degree is, by nature and tradition, the highest certificate of membership in the academic community. It is meant to indicate the presence of superior qualities of mind, intellectual interest and high attainment and knowledge in a chosen field. It is not conferred merely as a certificate for a prescribed course of study and research, no matter how faithfully pursued. Independent achievement at a high intellectual level is a prerequisite to its conferment. A Doctoral Thesis or parts thereof must be judged to be potentially publishable.

The award of a PhD also requires the candidate to defend his/her thesis at a public oral examination. Many research degrees now contain a taught element. The intention of these taught courses is to provide students with research techniques and skills that will not only help them complete their current research topic, but will also stand them in good stead for life after University.

With the exception of holders of MPhil degrees from recognised Universities, candidates interested in pursuing the PhD degree are normally required to register for the MPhil Degree in the first instance. If your Supervisors are happy with your progress, then provisions exist to upgrade your registration from the Master's to Doctoral level without first submitting a Master's dissertation.

If you decide to pursue a research degree, it is very important that the thesis topic you choose is of genuine and sustainable interest to you.

3. Registration

The academic year is divided into two semesters as follows:
Semester I - August to December
Semester II - January to May

Candidates for the MPhil or PhD degree may register during the first two weeks of either Semester but it is more usual for such candidates to begin their studies at the start of the academic year. A candidate wishing to pursue a taught Master's Degree or an Advanced Diploma programme MUST begin his/her studies at the start of the academic year unless otherwise specified.

Students from Trinidad & Tobago may be registered for full-time or part-time studies. You will not be registered for full-time studies if you spend an average of twelve or more hours a week in paid employment. For a student registering as part-time, proof of leave of absence from your job must be submitted at the time of registration. Overseas students will normally be required to register for full-time studies.

No allowances will be made with respect to attendance at lectures, laboratories, tutorials or examinations for students on the condition of their employment.

4. Time Limitation

The following table shows IN GENERAL the time limitation for graduate degrees:

	FULL-TIME		***PART-TIME***	
PROGRAMME	**Minimum Years**	**Maximum Years**	**Minimum Years**	**Maximum Years**
Diplomas	**1**		**2**	
MSc (taught)	**1**	**2**	**2**	**4**
MPhil	**2**	**3**		**5**
PhD	**3**	**5**	**5**	**7**

5. Academic Supervisor

Each research student is assigned one or more supervisors who will guide the student through his/her studies. The appointment of a supervisor(s) is recommended by the relevant Head of Department after careful consideration of the Faculty member's expertise and experience. Also, a Committee of Advisors shall be appointed by the Board for Graduate Studies and Research for each MPhil and PhD student. This Committee shall comprise a minimum of three persons, including the supervisor(s) of your research programme.

6. Assessment

A. TAUGHT PROGRAMMES

The methods of assessment may vary, but examinations are conducted mainly by written papers supplemented by in-course testing, practical examinations, a project report, a research paper, or a combination of these methods.

Candidates are required to pass all courses and all coursework, designated by the Department as forming part of the higher degree programme for which they are registered, with a mark of 50% or better.

B. MPHIL/PHD THESIS AND EXAMINATION

All research degrees are examined by theses. In addition, research students will be required to pass courses amounting to a MINIMUM of 6 credits for the MPhil and 9 credits for the PhD degree. For the MPhil degree the candidate may be required to defend his/her thesis by an examination. Every candidate for the PhD must defend his/her thesis by an oral examination.

A candidate who is unsuccessful in the examination for the PhD may apply to the Board for Graduate Studies and Research for transfer of registration to the relevant MPhil and for permission to resubmit the relevant thesis or a revised version of it for examination for a Master's degree. Where the application is approved, the registration for the PhD will lapse and the registration for the MPhil will be deemed to have started from the date of registration for the PhD.

7. Upgrading of Registration

Postgraduate students who are registered for the MPhil degree and who wish to be considered for the upgrading of their registration to PhD must apply to do so in the second year of registration on the written recommendation of their supervisor(s). Applications for upgrading will normally not be considered after the third year of registration. Applicants for upgrade must have completed all departmental coursework requirements by this time and must defend their proposal for upgrading at a Faculty seminar.

A supervisor must state why he/she considers the student to be outstanding and whether in his/her opinion the work can be developed to the level of the PhD.

All recommendations from Departments for PhD upgrade registrations are subject to the approval of the Board for Graduate Studies and Research.

8. Graduate Research Seminars

All postgraduate research students are required to present at least two seminars on their work at the MPhil level and three seminars at the PhD level. These seminars will be examined and graded on a "pass or "fail" basis. Students are also required to attend a minimum of 75% of all Departmental/Faculty seminars. A Seminar attendance register will be kept by all Departments.

9. Postgraduate Course in "Scientific Presentation and Critique"

These courses are designed for MPhil and PhD students. Its purpose is to:

- Immerse graduate students into a culture of reading and critical analysis of research in their field and related disciplines.
- Expose students to a broad range of research topics in and related to their discipline.
- Involve students in regular scientific discourse involving their own work and the work of others.
- Develop students' analytical and critical thinking skills as well as their oral presentation and writing skills.

NOTE: Current School of Graduate Studies regulations state that MPhil students are required to present two assessed seminars and PhD students must present three. This course may be used as a forum for these presentations which will be assessed in the manner prescribed for such "assessed seminars".

MPhil			*PhD*		
Course Code	***Course Title***		***Course Code***	***Course Title***	
GRSM 7001	Graduate Research Seminar	1	GRSM 8001	Graduate Research Seminar	1
GRSM 7002	Graduate Research Seminar	2	GRSM 8002	Graduate Research Seminar Critique	2
			GRSM 8003	Graduate Research Seminar	3

GRSM 7001 and 7002 are to be used by MPhil Students. GRSM 7000 is only to be used for students who entered the MPhil programme before 2007.

10. THE UNIVERSITY FIELD STATION (UFS)

This is located approximately 4 km from the main campus, has facilities for livestock and crop production work including a rabbitry, cattle, sheep and poultry facilities, a laboratory, a machine shop, plant propagation facilities, and temperature-controlled rooms for vegetable and fruit storage work. In addition, there is an abattoir and a milk pasteurisation facility.

11. THE COCOA RESEARCH CENTRE (CRC)

This Centre, which is the custodian of the International Cocoa Genebank, Trinidad, has a collection of some 2,300 accessions. The CRC is involved in a number of multi-disciplinary research programmes, which include collection and conservation of germplasm, morphological and molecular characterisation, germplasm enhancement, evaluation for resistance to major diseases and flavour assessment. In addition, the CRC plays a role in the improvement of cocoa by providing useful and diverse germplasm to cocoa producing countries. The Centre is involved in several international research projects, collaborates with other research institutions, and continues to attract local and external funding to support its research activities.

12. ENTRY REQUIREMENTS

Candidates seeking entry to the Diploma, or MSc, or MPhil programmes in the Faculty must satisfy the minimum requirements of the School for Graduate Studies and Research (Lower Second-Class Honours for MSc and Upper Second-Class Honours or equivalent for MPhil) AND must hold a BSc degree at the prescribed level in Agriculture or Natural Sciences (or an equivalent qualification) from an approved university. In exceptional cases, students may be admitted with a pass degree and considerable work experience in a related area.

For direct entry into the PhD programme, a student must satisfy minimum entry requirements of the School of Graduate Studies & Research AND have obtained a MPhil degree (or an equivalent qualification) in an appropriate field of study in science or agriculture from an approved tertiary level institution.

PROGRAMMES

The FFA which comprises the departments of Agricultural Economics and Extension, Food Production and Geography, has a long history of excellence in teaching, research and outreach dating back to 1924 in the Imperial College of Agriculture (ICTA). The Faculty is staffed by well-qualified and experienced academic and technical staff.

Research in the Faculty is focused on the strategic priorities of environmental sustainability and resilience, food and nutrition security, strengthened value chains, youth and women's empowerment, and enhanced research and innovation Research is done in close collaboration with the Department of Life Sciences, the Faculty of Engineering and the School of Veterinary Science.

Research work is financed from University funds, augmented by grants from the private sector, international agencies and the Government of the Republic of Trinidad & Tobago.

The FFA offers postgraduate degrees in the following areas:

Postgraduate Diplomas in:

- Agri-Food Safety and Quality Assurance (Online)
- Climate Resilient Agricultural Extension for Community Development
- Environmental Resilience and Sustainability
- Pesticide Technology and Management
- Tropical Animal Science and Production
- Tropical Crop Protection (Blended)

Master of Science (MSc) Degrees in:

- Agri-Food Safety and Quality Assurance (Online)
- Agricultural Economics (Blended)
- Environmental Resilience and Sustainability
- Food Security (Blended)
- Marketing and Agribusiness (Blended)
- Tropical Animal Science and Production (Blended)
- Tropical Crop Protection (Blended)
- Value Addition for Food and Nutrition Security (Blended)

N.B. The availability of these programmes in any given year is subject to obtaining a suitable number of students.

Master of Philosophy (MPhil) and Doctor of Philosophy (PhD) Degrees in:

- Agricultural Economics
- Agricultural Extension
- Cocoa Science
- Crop Science
- Food Safety and Quality
- Geography
- Horticulture
- Human Ecology
- Livestock Science
- Soil Science
- Tropical Crop Protection
- Tropical Earth and Environmental Science

THE CAMPUS LIBRARIES

THE UNIVERSITY OF THE WEST INDIES
ST. AUGUSTINE CAMPUS

The Campus Libraries

The UWI, St. Augustine Campus Libraries are the repository and gateway to information supporting the teaching, learning, and research needs of the University community. There is currently an integrated digital network of nine libraries:

- The Alma Jordan Library
- The Medical Sciences Library
- The Norman Girvan Library
- The School of Education Library
- The Republic Bank Library and Information Resource Centre, Arthur Lok Jack Graduate School of Business
- The UWI-ROYTEC Allan Mackenzie Library
- The Eric Williams Memorial Library
- The UWI Seismic Research Centre Library
- National Herbarium of Trinidad and Tobago Library

Items in the collections of eight of these libraries can be discovered in a single catalogue. This is integrated into a single virtual library space (UWILinC) which provides a single point of access to the print and digital information resources of all five campuses of the University.

Other UWI libraries not currently networked include: the Department of Creative and Festival Arts Library, the Centre for Language Learning Library, and The Patience-Theunissen Memorial Library of the Seminary of St. John Vianney, and the Uganda Martyrs.

Each Library's website (https://libraries.sta.uwi.edu/) is the gateway to its comprehensive electronic, print and multimedia information resources in all disciplines. From there, students can access state-of-the-art, scholarly, full-text databases on and off campus.

Each Faculty handbook includes the relevant library's services, resources and contact information.

The Alma Jordan Library (AJL):

The AJL, previously known as the Main Library, officially opened at its present location in January 1970 and covers a total area of 9,000 square metres. It is organised into subject divisions: Engineering; Food and Agriculture/Science and Technology; Humanities; and Social Sciences/Sport/Law. Other divisions which provide services to users include Circulation and Access Services, and the West Indiana & Special Collections (WISC).

The AJL has a wide collection of electronic resources covering all disciplines. These include:

- 294 databases (https://libraries.sta.uwi.edu/apps/index.php/DatabaseSearch/index)
- 106,333 electronic journal titles (https://sfxhosted.exlibrisgroup.com/uwi/az/sta)
- 256,584 electronic books (https://libguides.uwi.edu/ebooks)

In addition, it has some 317,335 books, as well as a vast array of multimedia materials in many formats including:

- 2,449 audio-visual items
- 1,147 cartographic items
- 6,112 photographs
- 2,160 multimedia items and
- 22,784 microfilms

Preserving West Indian Documentary Heritage

Documentary heritage is a cornerstone of all democratic societies and, as such, is an essential resource for supporting economic, social and cultural domains, as well as for fostering innovation. The AJL possesses historical materials dating as far back as the 1600s. WISC's mission is to acquire, preserve, and provide access to material emanating from the West Indies, produced by West Indians, and on the West Indies as well as the West Indian diaspora.

WISC's collections contain materials in different formats, ranging from maps, microforms, newspapers, theses, photographs, recordings, and over 169 special collections (https://archivespace.sta.uwi.edu/), some of which have been recognised for their importance. The Memory of the World Register lists documentary heritage endorsed by the Director-General of UNESCO as having global significance and outstanding universal value. Three of these award-winning collections reside at WISC, alongside four others listed on the local and regional registers:

- The Earl Lovelace Collection – Inclusion in the Memory of the World – Latin America and the Caribbean Register in 2025.
- The Sam Selvon Collection – Inclusion in the Memory of the World – Latin America and the Caribbean Register in 2012.
- The Jackie Hinkson Sketchpad Collection – Inclusion in the Memory of the World Local Register in 2010.
- The Carlilse Chang Collection – Inclusion in the Memory of the World Local Register in 2010.
- The C.L.R. James Collection - Inclusion in the Memory of the World Register in 2005.
- The Eric Williams Collection - Inclusion in the Memory of the World Register in 1999.
- The Derek Walcott Collection - Inclusion in the Memory of the World Register in 1997.

Opening Hours at The AJL:

Semester I and Semester II:	Monday to Friday 8:30 a.m. to 7:00 p.m.	Saturday 8:30 a.m. to 5:00 p.m.
24/7 (during each semester):	Monday to Friday 7:15 p.m. to 5:45 a.m.	Saturday 5:15 p.m. to 5:45 a.m.
Summer/Vacation:	Mondays 8:30 a.m. to 6:30 pm	Tuesday to Friday 8:30 am to 5:00 pm

Library Services at The AJL (https://libraries.sta.uwi.edu/ajl/index.php/services):

The AJL provides a wide range of services to support teaching and research. These include, but are not limited to the following:

- Online Chat Service: "Ask-a-Librarian", an online chat service, provides users with immediate responses to questions in real-time with library staff. It is available from the AJL and the Medical Sciences Library websites. Users can also submit queries and find answers in the Frequently Asked Questions at: http://uwi-sta.libanswers.com
- Faculty Liaison Services: Liaison Librarians provide formal communication between members of faculty and The AJL. A faculty member should liaise directly with his/her Liaison Librarian or with the Head of User Services regarding required services.
- Booklists: Members of faculty must submit booklists to the Acquisition and Continuing Resources Unit of the Library six (6) months before the course is scheduled to be taught. These booklists should contain full bibliographic information on the essential texts and reading lists.
- Borrowing: Members of faculty, senior administrative and professional staff can borrow up to nineteen items. Research Assistants may check out material on behalf of a faculty member with written authorization.
- Collection Development: Members of faculty are encouraged to collaborate with liaison librarians to select resources in their discipline.
- Course and Syllabus Changes, New Courses and Degree Programmes: When amending existing or developing new course offerings or programmes, members of faculty must liaise with their Faculty Liaison Librarian to ensure that an adequate print and electronic resource base is established to support research and teaching. Formal certification in this regard is required.
- Current Awareness Services: The AJL can, on request, provide members of faculty with information about the latest research material published in their areas of research or interest.
- Dissertation/Thesis Checking: Liaison librarians can assist users in mastering the appropriate citation style for their discipline. In addition, the Library provides training in the use of citation management software (Endnote) that can create references and bibliographies. When a thesis/dissertation is completed and accepted, the Library's Bindery Unit will bind personal copies at a cost.

- Gifts & Donations: The AJL welcomes gifts of library materials which will enrich the collection and support the teaching and research programmes of The UWI. In particular, it welcomes donations of manuscripts and other materials of significance to research on the Caribbean. It does not generally accept the temporary deposit of material.
- Information Literacy: Throughout the academic year the Library offers research skills training for undergraduates, postgraduates and members of faculty. Seminars can be tailored to any subject discipline. Members of faculty are also encouraged to use and promote the Library's information literacy training materials (LibGuides) via the myeLearning platform.
- Interlibrary Loans/Document Delivery: The Interlibrary Loan/Document Delivery service provides access to information resources that are not available in The AJL. The Library currently bears the cost of this service. https://libraries.sta.uwi.edu/ajl/index.php/how-to/get-material-we-don-t-own
- New Course Proposals: The Campus Libraries can assist members of faculty in locating course materials for new or revised courses or programmes.
- Off-Campus Access to Electronic Resources: Members of faculty can access subscription databases on and off campus via The AJL's website. https://intranet.sauwi.uwi.tt/wireless/
- Research Guides: Research guides can be accessed on The AJL's website. These guides cover areas ranging from the different citation styles, navigating discipline specific e-resources databases, effective search strategies, etc. https://libguides.uwi.edu/sta
- Reference Services: The staff of the Library is available on demand to assist members of faculty in locating information resources needed for research purposes.
- Print and Electronic Reserve Collection: In addition to essential booklist items, traditional reserves may include personal copies of lecturers' books, copies of chapters of books (small percentages of the entire work), photocopies of print journal articles, course readers, etc. Items to be placed in the Temporary Reserve Collection should arrive at The AJL three (3) months in advance of the beginning of each semester. Electronic Reserves (E-reserves) allow Lecturers to make course readings and other recommended materials available to authorized UWI students online. Faculty can incorporate material from a variety of sources including but not limited to, content from the Campus Libraries licensed databases, documents that they themselves have produced, or have obtained permission to use or convert into digital format. Reserve materials are removed or returned to normal circulation at the end of each semester. Electronic Reserves (E-reserves) allow members of faculty to make course readings and other recommended materials available online to authorized University of the West Indies students 24/7. E-reserves are available on and off Campus.
- Past Examination Papers (https://libraries.sta.uwi.edu/apps/index.php/PastPaperSearch/index): The AJL maintains an open access repository of past examination papers (except papers with MCQ, MTF, and TF). The online repository is searchable by course code and title. Dating from 2000, the Library's archive maximises student access and ensures the long-term preservation of past examination papers. Papers are supplied by the Examinations Section.

Research Support

https://uwi-sta.libanswers.com/https://uwischolar.sta.uwi.edu/https://journals.sta.uwi.edu/The following internal platforms facilitate external access to UWI academics and their open access and unpublished output and datasets:

- ***UWISpace*** (http://uwispace.sta.uwi.edu/dspace/):
  This institutional repository was established by The UWI Libraries to support the dissemination of knowledge by providing open access to the digitally preserved intellectual output of the University. The repository contains over 32,000 items including UWI theses.

- ***UWIScholar*** (https://uwischolar.sta.uwi.edu/):
  UWIScholar is an online platform developed by the AJL to showcase the research and expertise of researchers across The UWI Campuses. It creates a researcher profile capturing information such as bio data, research activities and interests, publications, courses taught, public service, consultancies, education & training, grants & funding, awards, affiliations and links to social media accounts. All research ethics are completed through the UWIScholar platform.

- ***Open Journal System (OJS)*** (http://journals.sta.uwi.edu/):
  Hosted at The AJL, this platform facilitates the online delivery of electronic journals produced by Faculties, Academic Departments, and Schools of The UWI. The system allows for the submission of articles, blind reviewing and publishing to the World Wide Web in an entirely paper free environment.

- The Alma Jordan Library, in collaboration with the St. Augustine Centre for Innovation and Entrepreneurship (STACIE) and the Intellectual Property Office of the Ministry of the Attorney General and Legal Affairs, provides an **Intellectual Property Help Desk Service** (libraries.sta.uwi.edu/ajl/index.php/services/ip-help-desk) to help support researchers.

For further information on these resources and services, please refer to your Library's website or contact your Faculty Liaison Librarian:

Section	Contact Person	Extension	Email Address
Office of the Campus Librarian	Dr. Karen Eccles	82009	karen.eccles@uwi.edu campuslibrarian@uwi.edu
Circulation & Access Services	Dr. Simone Primus Help Desk	82336 82132 84030	simone.primus@uwi.edu cas@sta.uwi.edu
West Indiana & Special Collections Division	Dr. Lorraine Nero Ms. Aisha Baptiste	83506 83361 83365	lorraine.nero@uwi.edu aisha.baptiste@uwi.edu wimail@uwi.edu
Acquisitions & Continuing Resources	Ms. Sharon Premchand Ms. Portia Bowen-Chang	83601 82126	sharon.premchand@uwi.edu portia.bowen-chang@uwi.edu acqmail@uwi.edu
Social Sciences/Sport	Mr. Kamau Osbourne	82254	kamau.osborne@uwi.edu soscimail@uwi.edu
Food & Agriculture/ Science & Technology	Ms. Joy Smith	83596	joy.smith@uwi.edu asmail@uwi.edu
Engineering	Mrs. Judith Wright	83594	judith.wright@uwi.edu engmail@uwi.edu
Law	Ms. Jolie Rajah	82276	jolie.rajah@uwi.edu soscimail@uwi.edu asklib.law@sta.uwi.edu
Humanities	Ms. Georgia Alexander	82262	georgia.alexander@uwi.edu hummail@uwi.edu
UWIScholar and UWISpace	Ms. Marsha Winter	82473 84243	marsha.winter@uwi.edu sta-uwischolar@uwi.edu sta-uwispace@uwi.edu

STUDENT LIFE AND DEVELOPMENT DEPARTMENT (SLDD)

DIVISION OF STUDENT SERVICES AND DEVELOPMENT (DSSD)

THE SLDD IS THE FIRST AND MOST IMPORTANT ***STOP*** FOR HIGH QUALITY ACADEMIC SUPPORT AND PERSONAL DEVELOPMENT.

WHO CAN ACCESS THE SERVICES OF SLDD?
Any student can use SLDD services through self-referral or referrals by faculties, departments, friends, or family. SLDD supports all students, including full-time, part-time, postgraduate, undergraduate, mature, international, regional, student athletes, and students with disabilities or medical conditions.

GENERAL SUPPORT FOR ALL STUDENTS

- Peer-Pairing
- Referral to Counselling
- Access to a Safe Space for relaxing and restoration

ACADEMIC SUPPORT – FOR ALL STUDENTS

- Time Management
- Examination Strategies
- Workload Management
- Study Skills - one on one sessions
- Educational Assessment/Screening – Lucid Adult Dyslexia Screening (LADS) & Learning and Study Strategies Inventory (LASSI)
- Peer Tutoring – one on one sessions

INTERNATIONAL AND REGIONAL STUDENT SUPPORT

- Assistance with Immigration matters – renewal of landing stamps
- Liaising with faculties and departments in The UWI and the Immigration Division regarding immigration matters

POSTGRADUATE AND MATURE STUDENT SUPPORT

- Opportunities for student employment such as peer tutoring, and special examination invigilation
- Liaising with faculties and departments on any postgraduate and mature students matters

DISABILITY SUPPORT/STUDENTS WITH MEDICAL CONDITIONS SUPPORT (TEMPORARY AND PERMANENT)

- Loans of aids and devices such as laptops, digital voice recorders, wheelchairs, walking canes and crutches
- Special accommodations in the classroom and for examination
- Liaison with faculties, departments, deans, heads of departments, and lecturers
- Special parking accommodations - Accessible Parking Permits
- Student Support Group
- Assistive Technology Lab at the Alma Jordan Library- special software (JAWS)

No student at The UWI will be discriminated against based on special needs. Early sharing of needs helps us serve students better.

HOW DO I REGISTER AT SLDD?

- Complete the registration form available at the SLDD office or online at https://sta.uwi.edu/dssd/student-life-and-development
- Submit the completed form physically to the office or via email to sta-sldd@sta.uwi.edu
- Schedule an appointment to meet with the Manager or a Student Support staff member
- An assessment will be conducted to determine the required service
- Students with disabilities and medical conditions must submit a medical report from a qualified medical professional to the Health Services Unit for verification, using the Disability Assessment Questionnaire: Academic Accommodations form. This form can be collected at the SLDD's office or via email request
- Once verified, the document must be submitted to SLDD to be sent for approval by the Chair, Examinations

FOR MORE INFORMATION OR ASSISTANCE, CONTACT:

Mrs Amanda Best-Noel, Manager (Ag.), Student Life and Development Department
Email: sta-sldd@sta.uwi.edu or amanda.best-noel@uwi.edu
Address: Heart Ease Building, Wooding Drive, St. Augustine Campus
Tel: 662-2002 Ext. 83866, 83921, 83923, 84254, 84103 OR Direct line 645-7526
Hours: Monday to Friday | 8:30 am - 4:30 pm
SLDD Website: sta.uwi.edu/dssd/student-life-and-development
Facebook: www.facebook.com/UWI-Student-Life-Development-Department-SLDD-948337438614375

Please reach out to SLDD anytime for more information or assistance!

STUDENT EXCHANGE & STUDY ABROAD

INTERNATIONAL OFFICE - OFFICE OF INSTITUTIONAL ADVANCEMENT AND INTERNATIONALISATION (OIAI)

The St. Augustine Campus has a range of partnership agreements managed through the International Office, OIAI that facilitates exchanges by UWI students as well as students from our international partners to spend time at each other's campuses. The Office also enables student mobility with institutions where we do not have such formal partnerships.

The UWI Student Exchange programme will allow you to study at one of our many international partners around the world, including in North America, Europe, South America, Africa, Asia and the Caribbean in addition to other UWI Campuses. This type of international immersion has many educational and personal benefits. Students who have participated in the past have all spoken about the tremendous experiences and learnings not only in the classroom, but also from the people and places that they were able to interact with. They have become more independent in their thinking, self-sufficient and confident. They have also been able to make new friends, learn new languages and experience the world first-hand as true global citizens. A number of options for student mobilities are available to undergraduate and postgraduate students, including:

- Incoming and Outgoing Student Exchange – from one semester to one year duration.
- Incoming and Outgoing Study Abroad (fee paying) – from one semester to one year duration.
- Visiting Students – for postgraduate students doing research on invitation by overseas institution.
- Incoming and Outgoing Study Tours
- Students on internships/practicums

Funding is available to assist students with some of these exchange opportunities.

For further information on funding as well as Student Exchange and Student Mobility, please visit our website: sta.uwi.edu/internationaloffice/ or contact:

Alviann Thompson
Outbound Mobility Coordinator, Academic Agreements & EU Projects
International Office
The University of the West Indies, St. Augustine Campus
Trinidad and Tobago, West Indies
Email: alviann.thompson@uwi.edu or mailto:sta-outgoing.mobility@sta.uwi.edu
Phone: 1 (868) 662-2002 ext. 85010 / Direct: +1 (868) 224-3708

Chawntel Mc Call
Inbound Mobility Coordinator & Study Tours
International Office
The University of the West Indies, St. Augustine Campus
Trinidad & Tobago, West Indies
Email: chawntel.mccall@uwi.edu or sta-incoming.mobility@sta.uwi.edu
Phone: +1 (868) 662-2002 ext. 82682/ 82681/ Direct: +1 (868) 224-3708

Olivia Ramkissoon
Director (Ag.), International Office
International Office
The University of the West Indies, St. Augustine Campus
Trinidad & Tobago, West Indies
Email: olivia.ramkissoon@uwi.edu or internationaloffice@sta.uwi.edu
Direct: +1 (868) 224-3739 ext. 82680

PROGRAMME OFFERINGS

DEPARTMENT OF AGRICULTURAL ECONOMICS AND EXTENSION

The Department offers:

- MSc in Agricultural Economics (Blended)
- MSc in Marketing and Agribusiness (Blended)
- MPhil and PhD degrees in Agricultural Extension and Agricultural Economics.
- MPhil and PhD in Human Ecology
- Postgraduate Diploma in Climate Resilient Agricultural Extension for Community Development (Blended))

The Agricultural Economics degrees qualify graduates for potential employment as Agricultural Economists, Agricultural Planners, Development Bankers, Marketing Specialists, Rural Development Specialists, Environmental Specialists, Consultants or University Lecturers while the Agricultural Extension degrees qualify graduates for potential employment as Extension Programme Planners, Communication Specialists, Rural Sociologists, Rural Development Specialists, University Lecturers, Consultants, Nutrition Extension Specialists and Youth Counsellors. The Human Ecology degree is aimed at producing individual who can function at the leadership and policymaking levels in the various areas of specialization.

RESEARCH AGENDA
Research in the Department addresses current issues in the agricultural sector of Caribbean countries with the objective of contributing towards the development and transformation of agriculture.

The research programme in Agricultural Economics and Human Ecology focuses on contemporary policy areas for the regional agricultural sector. These include:
i. Human Nutrition;
ii. Rural Development;
iii. Trade and Agricultural Policy;
iv. Marketing and Agribusiness Management;
v. Environmental and Natural Resource Economics.

RESOURCE MANAGEMENT
The research programme in Agricultural Extension includes:
i. Rural development using a multidisciplinary framework
ii. The organisation and management of Extension especially current trends such as decentralisation and privatisation
iii. Planning, delivery (including the use of ICTs) and evaluation of Extension programmes dealing with trade liberalisation, competitiveness, food and nutrition, environmental issues.
iv. The use of social media and online teaching and learning

MSc in Marketing and Agribusiness (Blended)*

**MSC programs will be offered subject to student demand*

(A) ENTRY REQUIREMENTS

The general pre-requisite for entry into the MSc Marketing and Agribusiness is at least a Lower Second-Class Honours BSc Degree in Agribusiness, Agribusiness Management, Management Studies, Economics or Agriculture or in a related subject (or equivalent qualifications and working experience).

(B) DURATION OF COURSE

The MSc in Marketing and Agribusiness (Blended) will normally extend over 2 years of full-time or 4 years of part-time study.

The normal load for a part-time student is half that of a full-time student.

(C) AWARD OF THE DEGREE

The MSc (Marketing and Agribusiness) degree will be awarded on successful completion of all prescribed courses including the Research Project (AGBU 6999).

The degree shall be awarded based on the current postgraduate GPA system.

PROGRAMME STRUCTURE

The MSc Marketing and Agribusiness (Blended) programme consists of NINE (9) courses, inclusive of a research project

All candidates will be required to take ALL NINE (9) courses – a total of 44 credits.

THE FOLLOWING CORE COURSES ARE REQUIRED:

SEMESTER I

LEVEL I

SEMESTER I

COURSE CODE	COURSE TITLE	CREDITS
AGBU 6201	Agricultural Marketing	4
AGBU 6301	Research Methodology	4

SEMESTER II

COURSE CODE	COURSE TITLE	CREDITS
AGBU 6202	Agribusiness Management	4
AGBU 6602	Quantitative Methods II (Econometrics)	4
AGBU 6002	International Trade and Marketing	4

LEVEL II

SEMESTER I

COURSE CODE	COURSE TITLE	CREDITS
AGBU 6303	Investment Analysis and Financing for Agribusiness	4
AGBU 6402	Food Policy and Food Security	4

SEMESTER II

COURSE CODE	COURSE TITLE	CREDITS
AGBU 6401	Economics of Food Security	4
AGBU 6999	Research Project	12

MSc in Agricultural Economics (Blended)*

*MSC programs will be offered subject to student demand

(A) ENTRY REQUIREMENTS

At least a Lower Second Honours BSc degree (minimum GPA of 2.5 or equivalent) in Agribusiness, Agribusiness Management, Agriculture, Agricultural Economics, Economics, Management or related areas.

(B) QUALIFYING YEAR

Candidates not considered suitable for minimum entry requirements may be admitted to a qualifying year as determined by the Department. Such candidates will be required to read courses to improve their competency in Economic Theory, Agricultural Economics, Mathematics or Statistics and which may be read on any of the campuses of The University of the West Indies.

These courses may include:

Course Code	Course Title	Credits
ECON 2002	Intermediate Macroeconomics I	3
ECON 2003	Intermediate Macroeconomics II	3
ECON 2000	Intermediate Microeconomics I	3
ECON 2001	Intermediate Microeconomics II	3
ECON 2015	Mathematical Methods in Economics I	3
ECON 2006	Economic Statistics	3

The qualifying year will be designed to suit the needs of the individual student.

(C) COURSE OF STUDY

Candidates, on admission may be required to improve their competency in Economic Theory, Agricultural Economics, Mathematics or Statistics by reading one or more of the courses listed above under the qualifying year.

PROGRAMME STRUCTURE

The MSc. Agricultural Economics (Blended) programme consists of NINE (9) courses, inclusive of a research project. The courses offered are as follows:

LEVEL I		
SEMESTER 1		
Course Code	**Course Title**	**Credits**
AGBU 6102	Statistics and Mathematics for Agribusiness	4
AGBU 6301	Research Methodology	4
AGBU 6501	Microeconomics	4
LEVEL I		
SEMESTER 2		
AGBU 6002	International Trade and Marketing	4
AGBU 6602	Quantitative Methods II (Econometrics)	4
AGBU 6901	Agricultural Policy and Analysis	4
LEVEL II		
SEMESTER 1		
AGBU 6302	Quantitative Methods I (Operations Research)	4
AGBU 6902	Environmental Economics II	4
LEVEL II		
SEMESTER 2		
AGBU 6999	Research Project	12

(D) DURATION OF STUDY

The MSc Agricultural Economics (Blended) is available to full time and part-time students. Full-time students will normally be required to complete the degree within 2 years of registration.

Part-time students will normally be required to complete the degree within 4 years of registration.
The normal load for a part-time student is half that of a full-time student.

(E) EXAMINATION

Evaluation in all courses will normally be by both coursework and final examinations. Candidates must pass both coursework and final examination.

In Course AGBU 6999 Research Project, a project report will be evaluated.

(F) AWARD OF DEGREE

The MSc (Agricultural Economics) degree will be awarded on successful completion of all prescribed courses including the Research Project (AGBU 6999).

The degree shall be awarded based on the current postgraduate GPA system.

MPhil in Agricultural Economics

(A) ENTRY REQUIREMENTS

1. At least an upper second-class honours degree (minimum GPA of 3.0 or equivalent) in Agricultural Economics, Economics, Agriculture, Agribusiness, Agribusiness Management, Management Studies, Marketing or related area.

2. This is a research degree and candidates admitted to this programme will normally be expected to have a good undergraduate or postgraduate academic record.

3. Previous experience in research will be given special consideration in assessing a candidate's suitability for admission.

(B) COURSE OF STUDY

Candidates will be expected to complete AGBU 6301 (Research Methodology), At least two Graduate Research Seminar Courses (GRSM 7001, GRSM 7002) and a minimum of eight credits from among the following courses:

Course Code	Course Title	Credits
AGBU 6102	Statistics and Mathematics for Agribusiness	4
AGBU 6602	Quantitative Methods II (Econometrics)	4
AGBU 6301	Research Methodology	4
AGBU 6501	Microeconomics	4
AGBU 6302	Quantitative Methods I (Operations Research)	4
AGBU 6103	Sustainable Rural Development	4

(C) THESIS

The candidate must complete the thesis of the Faculty of Food and Agriculture and successfully defend his/her thesis at a public oral examination.

Postgraduate Diploma in Climate Resilient Agricultural Extension for Community Development (Blended)

(A) ENTRY REQUIRMENTS

In order to be admitted to the Postgraduate Diploma, candidates must normally:

1. Have a first degree in Agriculture or any related field in Extension and or Community Development (with at least a lower second standing) from a recognized University; **OR**
2. A Diploma or Associate Degree from a recognized University and at least three (3) years of experience in Agriculture or the related field of Agricultural Extension or experience in Community Development work; **OR**
3. Have previous equivalent level of education and relevant experience which would be acceptable to the University;
4. Mature students who do not satisfy the above requirements but who have considerable work experience and who are deemed capable of achieving the standard of work required for the programmes may be permitted to enter the programme at the discretion of the Faculty and the University.

Specially Admitted Students

1. Persons sponsored by the Governments or other employers to read certain courses, not for credit towards a University qualification, under a special arrangement.
2. Any individual who wishes to pursue and develop a particular area of intellectual interest.
3. Graduates of The University of the West Indies or other approved universities who wish to pursue a particular course or courses.

(B) COURSE OF STUDY

The Postgraduate Diploma (Blended) consists of SEVEN (7) courses, inclusive of a Practicum. The programme delivery mode will be a combination of face-to-face and online. The courses offered are as follows:

SEMESTER I

COURSE CODE	COURSE TITLE	CREDITS
AGEX 5007	Current Issues in Climate Change and Disaster Risk Management	4
AGEX 5008	Agricultural Extension for Community Development in a Climate Change Era	4

SEMESTER II

COURSE CODE	COURSE TITLE	CREDITS
AGEX 5011	Extension Methods for Climate Change Adaption	4
AGEX 5010	ICTs for Extension and Development Workers	4

SEMESTER III

COURSE CODE	COURSE TITLE	CREDITS
AGEX 5009	Planning and Developing Programmes to Mitigate Climate Change	4
AGEX 5012	Women and Youth in Agriculture and Community Development	4
AGEX 5013	Practicum*	6

*Assignment of project and supervisor will begin in semester 2 and submission of the field report at the end of the Summer semester

(C) DURATION OF STUDY

Students will normally be required to complete the Postgraduate Diploma Climate Resilient Agricultural Extension for Community Development (Online) within 1 year of registration.

(D) EXAMINATION

Students would be continuously assessed (100% CW) during the course of study. In the course AGEX 5013 Practicum, a project field report will be evaluated.

(E) AWARD OF DIPLOMA

The Postgraduate Diploma (Climate Resilient Agricultural Extension for Community Development) will be awarded upon successful completion of all prescribed courses including the Practicum (AGEX 5013).

The Postgraduate Diploma shall be awarded in the categories – Distinction, Merit and Pass. For the award of the Postgraduate Diploma with Distinction, the candidate must have obtained a minimum average mark of 75% in all core courses.

PhD in Agricultural Economics

(A) ENTRY REQUIREMENTS

1. For admission to the PhD Agricultural Economics programme, candidates should have successfully completed the MPhil degree in Agricultural Economics or an MSc degree in Agricultural Economics or Economics from an approved University and which should have included the writing of a substantial thesis, or an MSc degree with distinction in a relevant discipline.

2. All other candidates will be required to register for the MPhil degree in Agricultural Economics and seek an upgrade to the PhD degree in accordance with University Regulations.

(B) COURSE OF STUDY

Candidates would normally be expected to have completed the following courses (or equivalent) on entry into the PhD programme.*

Course Code	Course Title	Credits
AGBU 6102	Statistics and Mathematics for Agribusiness	4
AGBU 6602	Quantitative Methods II (Econometrics)	4
AGBU 6301	Research Methodology	4
AGBU 6103	Sustainable Rural Development	4
AGBU 6501	Microeconomics	4
AGBU 6302	Quantitative Methods I (Operations Research)	4

CANDIDATES WHO HAVE NOT FULFILLED THESE REQUIREMENTS WILL BE REQUIRED TO COMPLETE THESE COURSES.

(C) COURSEWORK EXAMINATIONS

1. The PhD in Agricultural Economics is awarded on the successful completion of prescribed courses AND a thesis.

The following courses are required for ALL areas of specialisation:

Course Code	Course Title	Credits
AGBU 6610	Economic Theory	4
AGBU 8000	Quantitative Methods III	4

2. Courses required for EACH area of specialisation are:

(i) Trade Policy and Competitiveness

Course Code	Course Title	Credits
AGBU 6650	Economic Development and International Trade	4

(ii) Environmental and Natural Resource Economics

Course Code	Course Title	Credits
AGBU 6692	Advanced Natural Resource and Environmental Economics	4

(iii) Marketing and Agribusiness Management

Course Code	Course Title	
AGBU 6690	Advanced Agricultural Marketing II	4

(D) Programmes of study in the areas of specialisation will normally be offered according to the requirements of students and subject to the availability of staff.

(E) PHD THESIS

1. On successful completion of the Departmental COURSEWORK REQUIREMENTS, candidates must prepare a research proposal in the area of the thesis topic to be presented at a Departmental Seminar.

2. The procedures for the presentation of the PhD thesis are outlined in the Postgraduate General Regulations of The University of the West Indies.

MPhil in Agricultural Extension

1. The MPhil Degree is offered both on a part-time and full-time basis. It is awarded on the successful completion of the required graduate courses and a thesis.

2. The normal time for the completion of this degree is two years for full-time students and four years for part-time students.

Entry Requirements

3. This is a research degree and candidates should have strong undergraduate academic qualifications. The normal requirement is at least an Upper Second-Class Honours degree (minimum GPA of 3.0 or equivalent) in the following disciplines or other approved areas:
   - Agriculture
   - Agribusiness
   - Aquaculture
   - Forestry
   - Natural Resource Management
   - Human Ecology

4. Special consideration will also be given to candidates with lower level qualifications but whom, in the opinion of the Board for Graduate Studies and Research, have adequate research or teaching experience in relevant disciplines.

5. Promising research candidates with undergraduate degrees not considered suitable for direct admission may be admitted to a qualifying year. (Please refer to the general postgraduate regulations regarding Qualifying Examinations)

Departmental Course Requirements

6. In addition to the basic requirements for admission, candidates will be expected to have at least nine credits of approved undergraduate Extension courses at Level II/III or the equivalent. Candidates without these required number of credits will be required to take appropriate undergraduate courses, which they must pass before submitting the proposal for the thesis.

Taught Graduate Courses

7. Candidates accepted into the M. Phil. programme will be required to register for at least four taught graduate courses including Research Methodology AGBU 6301. Students who enter the programme with a taught Master's Degree or Postgraduate Diploma may be granted exemption from the course requirements. However, such students may be required to take additional courses to provide a specific knowledge base for their proposed research.

8. Students who fail more than 50% of their courses in their first attempt will normally be required to withdraw. Only one repeat attempt for each failed course will be allowed.

Thesis

9. The candidate must fulfil the MPhil thesis requirements of the Faculty of Food and Agriculture and successfully defend his/her thesis at a public oral examination

PhD in Agricultural Extension

1. The PhD degree in Agricultural Extension is offered both on a part-time and full-time basis. It is awarded on the successful completion of required departmental courses and a thesis.

2. The maximum time allowed for completing this degree is five years after registration for full-time students and seven years for part-time students.

Entry requirements

3. Applicants who hold an MPhil Degree or other research-based Master's Degree in Agricultural Extension or related disciplines are eligible for direct entry to the PhD programme.

4. Applicants who hold taught Master's degrees may also be eligible for direct entry if the programmes included a research component of at least 25% of the total credits for the degree and if they attained at least a B+ average in both the taught courses and the research project.
5. All other candidates with Master's qualifications applying for admission to the PhD must register first for the MPhil and then apply to upgrade their registration to the PhD programme in accordance with the general regulations.

Taught Graduate Courses

6. Candidates gaining direct entry into the PhD programme are required to pass a minimum of 12 credits of taught graduate courses approved by the department.

PhD Thesis

The requirements for submission of the PhD thesis are outlined in the general regulations for postgraduate students.

MPhil in Human Ecology

Entry Requirements

At least an Upper Second-Class Honours degree (minimum GPA of 3.0 or equivalent) in Human Ecology, Family and Consumer Sciences or Human Nutrition and Dietetics, or a related discipline.

This is a research degree and candidates admitted to this programme will normally be expected to have a good undergraduate or postgraduate academic record.

Previous experience in research will be given special consideration in assessing a candidate's suitability for admission.

Candidates who do not qualify for entry as specified in (1) above will be required to do a qualifying year consisting of a minimum of eighteen (18) credits of supplementary courses in the area of Human Nutrition.

Course of Study

Candidates will be expected to complete the following courses:

Course Code	Course Title	Credits
AGRI 6620	Statistics	4
AGBU 6301	Research Methodology	4
GRSM 7001	Graduate Research Seminar I	
GRSM 7002	Graduate Research Seminar II	

PLUS

Eight (8) additional credits from courses relevant to the student's area of specialization from the following list:

Course Code	Course Title	Credits
HUEC 5000	Advanced Foodservice Systems Management	4
HUEC 5020	Advanced Clinical Nutrition	4
HUEC 5040	Advanced Community Nutrition	4
AGBU 6103	Sustainable Rural Development	4
AGBU 6002	International Trade and Marketing	4
AGBU 6201	Agricultural Marketing	4
AGBU 6202	Agribusiness Management	4
OR		
FOSQ 6001	Agri-food Safety	4
HUEC 7001	Epidemiology for Human Ecology	4
HUEC 7003	Advanced Nutrition in Health and Disease I	4
HUEC 7004	Public Health Nutrition	4
HUEC 7002	Nutrition Epidemiology	4
HUEC 7005	Selected Topics in Human Ecology	2

Course Code	Course Title	Credits
AGRI 6620	Statistics	4

Thesis

The candidate must complete the MPhil thesis (HUEC 7000) of the Faculty of Food and Agriculture and may defend his/her thesis at a public oral examination.

PhD in Human Ecology

Areas of specialization for the degree are:

- Nutritional Sciences
- Family and consumer Sciences
- Food Service Management

Entry Requirements

For direct admission to the PhD programme, candidates should have successfully completed the MPhil Degree in Human Sciences, Family and Consumer Sciences or Human Nutrition and Dietetics, ***OR*** an MSc degree in Human Ecology Family and Consumer Sciences or Human Nutrition and Dietetics or a related discipline from an approved university and which should have included the writing of a substantial thesis, or an MSc degree with distinction in a relevant discipline.

All other candidates with degrees in Human Ecology, Family and Consumer Sciences or Human Nutrition and Dietetics will be required to register for the MPhil degree in Human Ecology and seek an upgrade to the PhD degree in accordance with University Regulations.

Applicants who do not qualify for entry as specified in (1) and (2) above may be required to do a qualifying year consisting of supplementary courses in the area of specialization to a minimum of 18 credits.

Course of Study

Candidates are normally expected to complete the following courses:

Course Code	Course Title	Credits
AGRI 6620	Statistics	4
AGBU 6301	Research Methodology	4
GRSM 8001	Graduate Research Seminar I	
GRSM 8002	Graduate Research Seminar II	
GRSM 8003	Graduate Research Seminar III	

PLUS

Twelve (12) additional credits from courses relevant to the student's area of specialization from the following list:

Course Code	Course Title	Credits
HUEC 5000	Advanced Foodservice Systems Management	4
HUEC 5020	Advanced Clinical Nutrition	4
HUEC 5040	Advanced Community Nutrition	4
AGBU 6103	Principles of Rural Sociology	4
AGBU 6002	International Trade and Marketing	4
AGBU 6201	Agricultural Marketing	4
AGBU 6202	Agribusiness Management	4
FOSQ 6001	Agri- food Safety	4
HUEC 7001	Epidemiology for Human Ecology	4
HUEC 7003	Advanced Nutrition in Health and Disease I	4
HUEC 7004	Public Health Nutrition	4
HUEC 7002	Nutrition Epidemiology	4
HUEC 7005	Selected Topics in Human Ecology	2

Thesis

The candidate must complete the PhD thesis (HUEC 8000) of the Faculty of Food and Agriculture and successfully defend his/her thesis at a public oral examination.

DEPARTMENT OF FOOD PRODUCTION

ABOUT THE DEPARTMENT

The increasingly globalising research environment can present challenges to many institutions in small-island developing states as it relates to impact. It nevertheless provides an excellent opportunity for such bodies to tailor their research programmes to address those issues that are pertinent to their realities, and so establish themselves as centres of excellence in their respective disciplines. In recognition of this, and in response to key regional issues such as food and nutrition security, competitiveness and sustainability of the agricultural sector, and environmental management, the Department of Food Production offers a diverse and dynamic graduate programme in the areas of Crop Science, Tropical Crop Protection, Animal Science and Soil Science and Food Safety and Quality Assurance.

The key areas of focus in each of these programmes include:

CROP SCIENCE – this programme focuses on increasing productivity, quality and profitability of crop production systems. Agronomic and horticultural experimentation are key components of the crops programme. Additional areas covered include crop genetic improvement, postharvest physiology and tropical commodity utilization.

TROPICAL CROP PROTECTION - this programme focuses on the identification, study of biology, epidemiology and reporting of emerging pests and diseases in the region employing conventional and advanced molecular techniques. It is involved in the development of sustainable pest and disease management practices suited to tropical crop production systems. Evaluation of new generation pesticides, study of pesticide residues, phytosanitary issues, and screening of resistant germplasm are also dealt in this research programme.

ANIMAL SCIENCE – this programme encompasses a diverse range of animal related research areas ranging from domesticated livestock species including ducks, dairy cattle, goats, tropical hair sheep, poultry, rabbits to forage production. Additionally, animal science research extends to the captive rearing of non-domesticated, neo-tropical animal species, with particular focus on the agouti, opossum and local deer species. Research efforts are dedicated to characterizing various aspects such as nutrition, reproduction, health, housing, behaviour, economic and socioeconomic factors related to animal production in the region. The overall the goal of this research is to develop production systems that are sustainable, resilient and suited to our neo-tropical environment.

SOIL SCIENCE – this programme focuses on the management of soil/plant systems in relation to enhancing nutrient availability with emphasis on nitrogen and phosphorus; soil organic matter dynamics and its role in soil fertility maintenance; soil genesis; land use studies; hillside management; biological nitrogen fixation; pollution abatement; water yield and quality management; fertilizer management and use efficiency; performance and management of cricket pitches; enhancing productivity and efficiency in key regional agro-industries.

AGRI-FOOD SAFETY AND QUALITY – the programmes adopt a holistic approach to agri-food safety and quality through the food chain- from farm or sea to plate. The courses relate to food safety and quality assurance in primary agriculture production, animal husbandry, sea-food harvesting and processing, post-harvest, food processing, marketing of products, export trade, food service and distribution to consumers. The programmes target graduates who are farm managers, food processors, food service managers, nutritionists, regulators, public health inspectors, veterinarian, policy makers, importers and exporters who may want to upgrade their skills.

FOOD SECURITY - this programme examines the critical factors underpinning food security from local to global scales, such as climate change, global changes, resource challenges, biodiversity, human diet and health, water, soil, land use, labour, and urbanisation. It is grounded in the position that there is an increasing demand for qualified experts who understand these interconnections, and who can contribute to policy creation, legislation and research in food production and the supply and demand chains.

PROGRAMME OFFERINGS

Currently the Department offers five (5) MSc programmes in the following areas, subject to a minimum number of admissions:

- Agri-Food Safety and Quality
- Tropical Animal Science and Production
- Tropical Crop Protection
- Value Addition for Food and Nutrition Security
- Food Security

It also offers MPhil and PhD degrees in the areas of Crop Science, Horticulture, Livestock Science, Food Quality and Safety, Soil Science.

POSTGRADUATE PRIZES

THE PROFESSOR RICHARD A.I. BRATHWAITHE PRIZE

Awarded for the best performing student in the research project of the MSc in Tropical Crop Protection.

THE MINISTRY OF AGRICULTURE, LAND AND FISHERIES PRIZE

Awarded for the best performing student in the core courses of the Diploma/MSc Agri-Food Safety and Quality Assurance.

THE MINISTRY OF AGRICULTURE, LAND AND FISHERIES PRIZE

Awarded for the best performing student in the mandatory research project of the MSc Agri-Food Safety and Quality Assurance.

DETAILS OF DEGREE PROGRAMMES

Postgraduate Diploma and MSc in Tropical Animal Science and Production (Blended)

Coordinators – Dr Martin Hughes and Dr Laura Tardieu

OBJECTIVE

The aim of the Postgraduate Diploma and MSc Degree in Tropical Animal Science and Production is to deepen graduates understanding and awareness of the requirements for livestock production science in developing tropical environments, encompassing both domesticated and non-domesticated species. The programme is now offered in a blended format, combining online lectures with select face-to-face coursework components. It delivers advanced training in animal production science and animal management with a focus on neo-tropical animal systems and ecosystems. The curriculum includes topics such as Advanced Animal Nutrition, Reproductive Physiology, Advanced Animal Production, Forage Utilization, Livestock Development, and Wildlife (Neo-tropical) Production, Utilization, Management, and Conservation.

ENTRY REQUIREMENTS

Candidates applying for admission to the Postgraduate Diploma or MSc in Tropical Animal Science and Production are required to satisfy the University's Regulations governing entry to Postgraduate degrees, and should normally hold a Bachelor's degree of at least lower second class honours in Agriculture or the Biological Sciences (or equivalent qualifications and working experience).

Candidates who lack sufficient undergraduate training in Livestock Science, may be required to make up the deficiencies by taking relevant courses from among the undergraduate offerings from the Department of Food Production.

COURSE OF STUDY

The Postgraduate Diploma is a 1-year programme full-time or 2 year part-time study encompassing coursework on tropical animal science in livestock production.

The MSc is a 2-year programme full-time; 3.5-4 years part-time study encompassing coursework and an independent research project on aspects of tropical animal science in livestock production.

POSTGRADUATE DIPLOMA

The programme comprises 25 credits (20 credits = 5 core courses and 5 credits = 1 elective course) of taught courses as follows:

CORE COURSES

SEMESTER 1

Course Code	Course Title	Credits
AGLS 6001	Tropical Animal Science	4
AGLS 6002	Advanced Tropical Forage Utilization	4
AGLS 6005	Advanced Non-Ruminant Production	4

SEMESTER 2

Course Code	Course Title	Credits
AGLS 6003	Tropical Livestock Development	4
AGLS 6004	Advanced Ruminant Production	4

ELECTIVE COURSES

Electives are offered subject to student registration.

Course Code	Course Title	Credits
AGLS 6502	Tropical Zoo and Wildlife Production & Management	5
AGLS 6202	Advanced Animal Nutrition II	5
AGLS 6401	Reproductive Physiology	5
AGLS 6804	Tropical Commodity Utilization (Livestock)	5

MSc. DEGREE

The MSc. programme comprises 42 credits (20 credits = 5 core courses, 10 elective credits = 2 elective courses and a compulsory 12 credit = 1 course research project) as follows:

CORE COURSES

SEMESTER 1

Course Code	Course Title	Credits
AGLS 6001	Tropical Animal Science	4
AGLS 6002	Advanced Tropical Forage Utilization	4
AGLS 6005	Advanced Non-Ruminant Production	4

SEMESTER 2

Course Code	Course Title	Credits
AGLS 6003	Tropical Livestock Development	4
AGLS 6004	Advanced Ruminant Production	4

YEAR LONG

Course Code	Course Title	Credits
AGLS 6006	Research Project (compulsory)	12

ELECTIVE COURSES

Electives are offered subject to student registration.

Course Code	Course Title	Credits
AGLS 6502	Tropical Zoo and Wildlife Production and Management	5
AGLS 6202	Advanced Animal Nutrition II*	5
AGLS 6401	Reproductive Physiology	5
AGLS 6804	Tropical Commodity Utilization (Livestock)	5

MSc Degree candidates are required to meet with the Programme Coordinators to discuss possible Research Project Topics and to submit a project proposal for approval after the first Semester of being registered in the programme. The project must fall within the areas of Tropical Livestock Science and/or Neo-tropical Animal Science. Each candidate will be required to present a seminar on the proposed research project before the start of the project.

The research project must be presented in the form of a report and must conform to the style approved by the University for MSc project Reports for examination.

The MSc project assessment is based on examination of the report and the oral presentation of the project proposal. Candidates must earn a grade of at least 50 % in the assessment of both the project report and presentation to pass the MSc project.

The degree shall be awarded in two categories – Distinction and Pass. The Research Project will be treated as a separate course and will NOT have Distinction scores that contribute to the overall distinction classification.

TIME LIMIT

Full-time candidates who at the end of two years have not completed the programme of study leading to the MSc in Tropical Animal Science and Production will be required to withdraw from the programme unless they have been granted special permission by the Board for Graduate Studies to continue.

COURSEWORK

The coursework component of each course will consist of a combination of 100% Coursework or Coursework and Final exam. For courses that are assessed by coursework and final exam, the student must pass both components (at least 50 % grade earned in both components) to pass the course.
Candidates who do not sit examinations in courses for which they are registered shall be deemed to have failed.

AWARD OF THE DEGREE

DIPLOMA PROGRAMME: The Post Graduate Diploma programme comprises a total of 25 credits of taught courses. The Diploma will be awarded upon successful completion of all the prescribed courses (5 core and 1 elective). This programme does not include a research project.

MSC PROGRAMME: The MSc programme comprises 30 credits of taught courses and a compulsory 12 credit research project, for a total of 42 credits. The MSc degree shall be awarded upon successful completion of all the prescribed courses and the compulsory research project.

Postgraduate Diploma and MSc Degree in Tropical Crop Protection

Coordinator – Dr Wendy-Ann Isaac

The Postgraduate Diploma and MSc in in Tropical Crop Protection offers advanced, specialised training in the principles and practices of crop protection, with a focus on pest, disease and weed management in tropical crop production systems. Special emphasis is placed on the use of integrated and sustainable approaches, including biological control methods targeting tropical insect pests, plant pathogens and invasive weeds. The programme is delivered in a blended modality, combining online lectures with select in-person sessions to accommodate both local and regional students.

OBJECTIVE

The objectives of this programme are to:

- Train competent professionals in the principles and practices of tropical crop protection, including pest identification, epidemiology, and management using integrated pest management (IPM) and biological control techniques.
- Develop technical expertise in pesticide technology, molecular diagnostics, and phytosanitary regulations relevant to regional and international crop production systems.
- Strengthen capacity for evidence-based crop protection decision-making through training in research methodology, statistical analysis, and application of ecological and molecular tools.
- Support the development of sustainable crop production systems by encouraging environmentally responsible and economically viable pest and disease control strategies.
- Provide practical experience and industry engagement through internship opportunities and applied research projects that address current challenges in tropical crop protection.

ENTRY REQUIREMENTS

POSTGRADUATE DIPLOMA AND MSc (Blended) Candidates applying for admission to the Postgraduate Diploma and MSc in Tropical Crop Protection are required to satisfy the University's Regulations governing entry to Master's degrees, and should normally hold a Bachelor's degree of at least lower second-class honours (minimum GPA 2.0 or equivalent) in Agriculture or in a related discipline.

DURATION

The course of full-time study covers a (10) ten-month period from September of one year, to June of the following year for successful completion of the Postgraduate Diploma and a (12) twelve-month period from September of one year, to August of the following year for the completion of the MSc in Tropical Crop Protection.

COURSE OF STUDY

POSTGRADUATE DIPLOMA

The diploma comprises 30 credits of courses as follows:

CORE COURSES

SEMESTER 1

Course Code	Course Title	Credits
AGRI 6210	Biology, Ecology and Epidemiology of Pests	4
AGRI 6221	Pesticide Technology	4
AGRI 6230	Integrated Pest Management	4

SEMESTER 2

Course Code	Course Title	Credits
AGRI 6121	Global Phytosanitary Issues and their Application	4
AGRI 6222	Molecular Techniques in Crop Protection	4

Course Code	Course Title	Credits
AGRI 6300	Internship	4

ELECTIVE COURSES -
Students are required to select ONE course from the following list of electives.

Course Code	Course Title	Credits
AGRI 6241	Plant Pathology and Virology	6
AGCP 6250	Weed Science	6
AGRI 6250	Applied Entomology	6

MSC. DEGREE

The MSc programme comprises 34 credits of taught courses and a compulsory 8 credit research project and independent study (based on research discipline) as follows:

CORE COURSES
SEMESTER 1

Course Code	Course Title	Credits
AGRI 6210	Biology, Ecology and Epidemiology of Pests	4
AGRI 6221	Pesticide Technology	4
AGRI 6230	Integrated Pest Management	4
FOSQ 6011	Research and Statistical Skills for Food and Agriculture	4

SEMESTER 2

Course Code	Course Title	Credits
AGRI 6121	Global Phytosanitary Issues and their Application	4
AGRI 6222	Molecular Techniques in Crop Protection	4
AGRI 6300	Internship	4
*AGRI 6200	Research Project (independent study and oral presentation included)	8

*Candidates will be allowed to submit the Research Project/Report, only after successful completion of the core and elective courses.

ELECTIVE COURSES –
Students are required to select ONE course from the following list of electives.

Course Code	Course Title	Credits
AGRI 6241	Plant Pathology and Virology	6
AGCP 6250	Weed Science	6
AGRI 6250	Applied Entomology	6

EXAMINATION
A candidate must attain at least 50% in order to secure a passing grade for each course. For some courses, coursework accounts for 100% of the marks, and there is no final examination.

TIME LIMIT
The course of full-time study covers one academic year from September of one year, to August of the following year. Candidates will normally be expected to complete all their examinations within one year as full-time students. Part-time students will normally be expected to complete the programme in two (2) years. Candidates must complete all their examinations within two (2) years maximum as full-time students or within four (4) years maximum as part-time students.

The research project shall have a duration of no more than six (6) months. Candidates are expected to commence the practical component of the project in January and must submit the written research report by May 31st, but no later than June 30th of the same year.

AWARD OF THE DEGREE

DIPLOMA PROGRAMME: The Diploma programme comprises 30 credits of taught courses. The Diploma will be awarded upon successful completion of all the prescribed courses and an internship. This programme does not include a research project. During the end of the second semester break the internship should be completed.

MSC PROGRAMME: The MSc programme comprises 34 credits of taught courses and a compulsory 8 credit research project and independent study (based on research discipline), for a total of 42 credits. The M.Sc. degree shall be awarded upon successful completion of all the prescribed courses and the compulsory research project, internship and independent disciplinary study in Tropical Crop Protection.

Postgraduate Diploma in Pesticide Technology and Management (Blended Delivery) Not Offered in 2026/2027

Coordinator: Dr Wendy-Ann Isaac

This Postgraduate Diploma is designed to provide specialized training in Pesticide Technology and Management. The programme begins with foundational knowledge on the identification, taxonomy, biology, life cycle and nature of damage caused by pests of agricultural (insects, weeds, plant pathogens, rodents, molluscs) and public health (insects and rodents) significance. It further covers the classification of pesticides based on their chemical properties, mode of action, and active ingredients, along with application technologies, safety protocols and regulatory frameworks for their use in diverse environments- including agriculture, urban landscapes, parks, structures and buildings, forests, roadside areas, watersheds and public health contexts. The programme also examines regional and international regulations and policies governing pesticide use and management. Pesticide risk assessment and mitigation strategies, including various remediation approaches, are key components. In addition, students will study safe alternatives to highly hazardous pesticides and their role in promoting sustainable agriculture.

OBJECTIVES

The objectives of this programme are to:

- Produce professionally competent and skilled personnel in pesticide management who can contribute to sustainable food production and environmental protection at both regional and international levels.
- Strengthen regional capacity to regulate pesticide use and to develop evidence- based pesticide management policies through a clear understanding of regional and international requirements.
- Meet the academic needs of regional and international professionals working in the field of pesticides and related disciplines through accessible, remote education.
- Prepare graduates to become entrepreneurs, policy makers, and leaders in the pesticide industry.

DURATION

This programme will consist of full-time, one full academic year including a Summer session and part-time 1.5 -2 years or 4 semesters.

ENTRY REQUIREMENTS

Candidates applying for admission to be admitted to the Postgraduate Diploma in Pesticide Technology and Management, candidates must have:

a) Bachelor's Degree (Pass) in Agriculture or the Biological Sciences or other related discipline from an approved University, **OR;**
b) Associate degree or Diploma in Agriculture or equivalent level of education with relevant experience would be acceptable, **OR:**
c) relevant and considerable years (Minimum 5 years) of experience in pesticide regulatory agencies, industries and engaged in Pesticide Operations viz., Pesticide Registrars, Pesticide Health Inspectors, and Pesticide Chemistry Analysts. This will be considered on case-by-case basis.

COURSE OF STUDY

The programme is available in a blended, modality with online lectures and will consist of 26 credits inclusive of internship as follows:

SEMESTER 1		
Course Code	**Course Title**	**Credits**
AGRI 5253	Introduction to Pests of Agricultural and Non-Agricultural Importance	4
AGRI 5254	Pesticide Types, Chemistry, Registration and Policy	4
SEMESTER 2		
AGRI 5255	Pesticide Application Technology and Management	4
AGRI 5256	Pesticide Risk Assessment and Management	4
AGRI 5257	Alternatives to Synthetic Chemical Pesticides in Sustainable Pest Management	4
SEMESTER 3 – SUMMER		
AGRI 5258	Internship	6

AWARD OF THE DEGREE

The Diploma will be awarded upon successful completion of all the prescribed courses and an internship. During the end of the second semester break, the internship should be completed.

Postgraduate Diploma and MSc Degree in Agri-Food Safety and Quality Assurance (Online)

Coordinator – Dr Marsha Singh
Email: marsha.singh@uwi.edu

OBJECTIVE

The overall objective of these programmes is to provide quality and relevant education, training and research in food safety and quality to graduates who are farm managers, food processors, food service managers, nutritionists, regulators, public health inspectors, policy makers, importers and exporters regionally and world-wide who want to upgrade their skills. The programmes therefore seek to:

- Adopt a holistic approach to agri-food safety that encompasses the whole food chain- from farm or sea to plate and those aspects of food safety related to quality;
- Apply tracing techniques from the primary producers, animal husbandry, through post-harvest treatment, food processing, marketing of products, export trade and distribution to the consumers;
- Adopt a risk-based approach to agri-food control systems;
- Assess the current agri-food safety standards and food safety management programmes throughout the food chain;
- Examine strategic elements such as risk analysis, scientific advice, consumer education in food and agriculture;
- Foster interactive exchange of information and opinions throughout the risk analysis process concerning hazards and risks, risk related factors and risk perceptions among risk assessors, risk managers, consumers, industry, the academic community, policy makers and other interested parties.

Candidates will have the option of pursuing either the postgraduate Diploma or the MSc programmes.

POSTGRADUATE DIPLOMA

ENTRY REQUIREMENTS

In order to be admitted to the postgraduate Diploma, candidates must normally:

a. Have a first degree in Agriculture, Agri-Business, Natural Sciences, Life Sciences, Medical Sciences, Human Ecology, Public Health, Environmental Sciences, Chemical Engineering, Food Sciences, Veterinary Medicine or any related areas **OR;**
b. Have previous equivalent level of education and relevant experience which would be acceptable to the University;
c. Mature students who do not satisfy the above requirements but who have considerable work experience and who are deemed capable of achieving the standard of work required for the programmes may be permitted to enter these programmes at the discretion of the Faculty and the University.

All courses will be delivered and assessed online.

COURSE OF STUDY

The Diploma programme comprises of 24 credits of courses as follows:

SEMESTER 1 – ONLINE DELIVERY

Course Code	Course Title	Credits
FOSQ 5001	Agri-Food Safety	4
FOSQ 5003	Food Quality Assurance & Evaluation of Agri-Food Policies	4

SEMESTER 2 – ONLINE DELIVERY

FOSQ 5002	Project Management in Food and Agriculture	4
FOSQ 5004	Agri Food Safety Risk Analysis	4
FOSQ 5005	Epidemiology and Food-borne diseases	4
FOSQ 5006	International Trade and Agri-Food Legislation	4

DURATION

The academic year is divided into two semesters as follows: Semester 1: August to December and Semester 2: January to May.
Diploma full-time: 2 semesters of courses
Diploma part-time: 4 semesters of courses

MSC PROGRAMME

ENTRY REQUIREMENTS

Candidates applying for admission to the MSc programme, must normally have a first degree (minimum grade of a lower second-class honours or equivalent) in Agriculture, Agri-Business, Natural Sciences, Life Sciences, Medical Sciences, Human Ecology, Public Health, Environmental Sciences, Chemical Engineering, Food Sciences, Veterinary Medicine or any related areas.

Students with a pass degree may gain entry to the MSc programme subject to Departmental support and completion of qualifying courses.

Candidates who have successfully completed the requirements for the Diploma in Agri-Food Safety and Quality Assurance may apply to upgrade to the MSc degree. In the event that such candidates are unable to complete the requirements for the MSc, the post-graduate diploma will be awarded on successful completion of the prescribed courses.

MSc students who have been unable to complete the requirements within the maximum time but who have met the requirements for the Diploma may be awarded the Diploma.

Persons initially admitted to the post-graduate Diploma and wishing to transition into the Master's without being awarded the Diploma must complete 24 credits required for the Diploma plus the additional 12 credits from the compulsory courses as required for direct entry into the Master's.

Persons who apply for admission to the Master's within 5 years of the award of the post-graduate Diploma will be exempted from not more than 50% of the credits required for the Master's on the basis of credits earned from the Diploma.

COURSE OF STUDY

The MSc programme comprises 28 course credits and a compulsory research project for 8 credits as follows: -

SEMESTER 1	**ONLINE DELIVERY**	
Course Code	**Course Title**	**Credits**
FOSQ 6001	Agri-Food Safety	4
FOSQ 6003	Food Quality Assurance and Evaluation of Agri-Food Policies	4
FOSQ 6011	Research and Statistical Skills for Food and Agriculture	4
SEMESTER 2	**ONLINE DELIVERY**	
FOSQ 6002	Project Management in Food and Agriculture	4
FOSQ 6004	Agri-Food Safety Risk Analysis	4
FOSQ 6005	Epidemiology and Food-borne Diseases	4
FOSQ 6006	International Trade and Agri-Food Legislation	4
SEMESTER 3	**(SUMMER)**	
FOSQ 6010	Research Project	8

DURATION

The academic year is divided into three semesters as follows: August to December; January to May and May to July
MSc full-time: 2 semesters of courses and research programme -12 months (minimum) – 15 months (maximum)
MSc part-time: 4 semesters of courses and research programme - 24 months (minimum) – 30 months (maximum)

MSc Degree in Value Addition for Food and Nutrition Security

Coordinator – Dr Afiya John
(Not offered 2026/2027)

This programme aims to provide specialised training in value addition for food and nutrition security to graduates of relevant undergraduate degrees.

OBJECTIVE
The objectives of this programme are to:

- Equip graduates with the knowledge and practical skills necessary to become entrepreneurs in the value-added agri-food sector, capable of establishing their own businesses and generating employment opportunities.
- Promote the development and production of value-added agri-food products that support improved domestic and regional food supply, facilitate import substitution, enhance export potential, and contribute to food and nutrition security.
- Increase the utilisation of locally produced primary agricultural products by strengthening market opportunities for farmers and other primary producers through demand for raw materials for processing.
- Develop a cadre of work-ready professionals who can contribute meaningfully to the transformation of the food and agriculture sector in the Caribbean and other Small Island Developing States.
- Support graduate-level enrolment growth by offering a relevant and attractive programme responsive to national, regional, and global development priorities.

ENTRY REQUIREMENTS
Candidates applying for admission into the MSc. in Value Addition for Food and Nutrition Security Candidates applying for admission to the Postgraduate Diploma and MSc in Tropical Animal Science and Production are required to satisfy the University's Regulations governing entry to Postgraduate degrees, and should normally hold a Lower Second-Class Honours BSc degree in Agriculture, Human Ecology, Agribusiness or the Biological Sciences (or equivalent qualifications and working experience).

DURATION:
The MSc. in Value Addition for Food and Nutrition Security will normally extend over 12 months of full-time or 24 months of part-time study.

A candidate for the MSc in Value Addition for Food and Nutrition Security will be required to complete seven (7) core courses, and a research project - a total of 45 credits. Exemptions will be granted where the candidate's postgraduate work experience and other activities demonstrate knowledge equivalent to that which would be gained through completion of the research project. Candidates will be assessed on a case-by-case basis.

COURSE OF STUDY
The MSc comprises seven (7) core courses 35 credits and a compulsory research project for 10 credits

CORE COURSES

SEMESTER 1

Course Code	Course Title	Credits
AGRI 6401	Agricultural Value Addition	5
AGCP 6101	Postharvest Physiology and Biochemistry	5
AGRI 6201	Chemistry of Foods	5
AGRI 6301	Food Microbiology	5

SEMESTER 2

Course Code	Course Title	Credits
AGRI 6702	Food Quality and Analysis	5
AGRI 6802	Commodity Utilization	5
AGRI 6902	Food Product Development	5
AGCP 6252	Research Project	10

AWARD OF DEGREE
To qualify for the award of the MSc, candidates must pass all core courses and the research project.

MSc Degree in Food Security

Coordinator – Dr Wendy-Ann Isaac

This unique MSc, is a collaboration among the three UWI campuses, and offers students the multidisciplinary approach to address global food security issues, as well as giving them an understanding of technical, agronomic, environmental, economic and socio-political factors that influence food security. Upon completion, they will be equipped with the requisite knowledge and key analytical and communication skills to contribute to ongoing efforts to achieve and sustain food security during the 21st century across multiple spatial and temporal scales.

OBJECTIVE

The aim of the programme is to produce/train a cadre of professionals in the Caribbean region who would be able to:

- Conceptualise and guide the development of sustainable agri-food systems;
- Champion among Government agencies and international bodies, as well as the private sector, the issues related to food and nutrition security to effect changes;
- Facilitate the development of appropriate regulations/policy/legislative initiatives to ensure food and nutrition security;
- Develop and foster collaborations with developed countries and institutes of global excellence, facilitating the exchange of knowledge and development of co-operation in the related field;
- Expand and build human and institutional capacity to address problems of food and nutrition insecurity regionally and internationally;
- Improve nutrition and health outcomes of vulnerable segments (children and women) of the populations, through availability of diverse, safe and nutritious foods;
- Adopt international standards of food safety and quality for a healthy, market-oriented food supply chain globally;
- Facilitate through knowledge transfer, an increase in the rate of technology adoption by small farmers experiencing common agricultural challenges;
- Integrate resources and develop strong working collaborations within and among the UWI campuses towards realising the ideals of its strategic plans, highlighting food production and food security.

ENTRY REQUIREMENTS

The minimum requirement for admission to the MSc. Shall be a minimum GPA of 3.0, or a lower second-class honours degree or its equivalent - from a recognised university in agriculture, environmental, or other natural sciences, as well as social sciences (such as political science, international relations, economics, rural development) - unless the campus committee in any particular case otherwise decides. The department shall consider on a case-by-case basis admission into the MSc programme, contingent on the overall academic strength, accomplishments, research strength and publications and experience.

DURATION: 12 - 15 months

TIME LIMIT

Candidates who at the end of two years have not completed the programme of study leading to the MSc in Food Security will be required to withdraw from the programme unless they have been granted special permission by the Board for Graduate Studies to continue.

COURSE OF STUDY

The programme is available in a blended modality with online lectures and will consist of 10 courses as follows: -

SEMESTER 1
CORE COURSES

Course Code	Course Title	Credits
AGBU 6402	Food Policy and Food Security	4
AGRI 6500	Current Issues in Food Security	4
AGRI 6502	Sustainable Food Production	4
AGRI 6503	Resilience and Food Security Risk Management	4

SEMESTER 2

AGBU 6002	International Trade and Marketing	4
AGBU 6401	Economics of Food Security	4
AGRI 6504	Climate Smart Technologies for Food Security	4
FOSQ 6006	International Trade and Agri-Food Legislation	4
ENVT 6250	Tools for Environmental and Food Systems Analysis	4

SEMESTER 3 - (SUMMER) (IN PERSON)

AGRI 6505	Food Security Study Experience	9

AWARD OF DEGREE

To qualify for the award of the MSc, candidates must pass all core courses 44 CREDITS inclusive of a study experience. Candidates who do not sit examinations in courses for which they are registered shall be deemed to have failed.

MPhil and PhD Degrees

The Department currently offers MPhil and PhD degrees in the areas of Crop Science, Horticulture, Tropical Livestock Science, Agri-Food Quality and Safety, Soil Science, Tropical Earth and Environmental Science and Tropical Crop Protection.

CROP SCIENCE

Students admitted to pursue research degrees in the programme can carry out their research in aspects of crop production and utilization spanning areas from crop propagation and agronomy to post-harvest physiology and commodity utilization including tropical products development. The department can also provide training in sustainable farming systems and diversity studies in tropical root crops and selected tropical tree crops.

AGRI-FOOD SAFETY AND QUALITY

Students could pursue research degrees on topics of interests related to the supply of safe and wholesome food to consumers globally, agri-food safety and quality management systems which address the farm to fork approach, good governance and national control, legislation and private standards, management of food safety and quality within the supply chain, control of food-related risks using biotechnology tools, food microbiology, research, education, and outreach activities necessary for effectively reducing foodborne illness.

HORTICULTURE

This programme provides advanced training in tropical horticulture that will equip graduates for careers in research, development and higher education. Research areas include germplasm evaluation, propagation and management of horticultural crops, landscape plants and turfgrasses and management of green spaces.

LIVESTOCK SCIENCE

Students admitted to pursue research degrees in Livestock Science have the opportunity to choose from a wide range of research activities in Livestock Science and production in the tropics and neo-tropica. Current departmental research involves research in ruminant and non-ruminant production and improvement including goat and sheep, poultry, rabbit and captive production of local Neo-tropical animals (e.g. agouti, deer, lappe (paca), peccary etc.).

SOIL SCIENCE

Students admitted into research programmes in Soil Science may choose to pursue research in one of the following areas:

- Organic waste management and utilization
- Soil and land use studies
- Soil conservation and erosion management
- Engineering properties of soils
- Soil fertility and plant nutrition

TROPICAL EARTH AND ENVIRONMENTAL SCIENCE

This programme will train students for careers in research and teaching in Tropical Earth and Environmental Science. A graduate from the MPhil programme could expect to take up a position as a research technician, or apply their skills in consultancy. The PhD graduates of the programme are expected to make a significant contribution to the field. These graduates would be suited as research scientists in forestry, agriculture or the oil industry, environmental consultants, university or college lecturers or other positions requiring sophisticated training at the PhD level.

TROPICAL CROP PROTECTION

Students admitted to pursue research degrees in Tropical Crop Protection have the opportunity to specialise further in plant pathology and virology, nematology, weed science and entomology. Current research involves the study of biology, epidemiology, identification and reporting of emerging pests and diseases, and development of sustainable pest and disease management practices. Students may choose the following courses:

MPhil (8 credits)/PhD (10 credits) in Tropical Crop Protection

Course Code	Course Title	Credits
AGRI 6620	Statistics	4
AGBU 6301	Research Methodology	4
AGRI 6400	Internship (3-6 month attachment related to research project)	2
AGRI 7001	MPhil in Tropical Crop Protection (Thesis only)	0
AGRI 8001	PhD in Tropical Crop Protection (Thesis with oral examination)	0
Optional courses:		
AGRI 6230	Integrated Pest Management	4
AGRI6222	Molecular Techniques in Crop Protection	4
AGRI 6241	Plant Pathology and Virology	6
AGRI 6250	Applied Entomology	6
AGCP 6250	Weed Science	6
AGRI 6252	Nematology	6
Other requirements:		
GRSM 7001-7004	MPhil only	0
GRSM 8001-8004	PhD only	0

DEPARTMENTAL REQUIREMENTS:
In addition to Faculty requirements, students admitted for advanced research degrees in the department are required to take and pass the following two courses (4 credits each)

Course Code	Course Title	Credits
AGRI 6620	Statistics	4
AGBU 6301	Research Methodology	4

All postgraduate research students are required to present at least two (2) seminars on their work at the MPhil level and three (3) seminars at the PhD level. These seminars will be examined and graded on a “pass” or “fail” basis.

DEPARTMENT OF GEOGRAPHY

The Department currently offers postgraduate-level qualifications, including the Postgraduate Certificate, Postgraduate Diploma, MSc, MPhil, and PhD, in the following areas:

Postgraduate Certificate, Diploma and MSc Degree in Environmental Resilience and Sustainability *

The MSc in Environmental Resilience and Sustainability offers comprehensive training in both geo-ecological and social skills essential for addressing environmental challenges, especially in Small Island Developing States (SIDS). The programme emphasizes hands-on fieldwork, spatial analysis, and research methods, including data interpretation and environmental ethics. Using regional case studies, it contextualizes global environmental and developmental issues within the Caribbean setting. The curriculum blends theoretical knowledge with practical skills to prepare students for a wide range of careers in environmental management and policy. Graduates will be well-equipped to contribute to research, planning, and the implementation of sustainable solutions.

PROGRAMME OBJECTIVES

The programme aims to:

- Strengthen students' skills in analysis, communication, and problem-solving to prepare them for careers focused on environmental resilience and sustainability.
- Deepen students' understanding of the connections between natural and social systems, with a focus on real-world sustainable development challenges.
- Train students in practical research techniques, including statistical analysis and participatory field methods, for effective natural resource management.
- Develop students' technical proficiency in GIS, remote sensing, and climate change adaptation, enabling them to apply these tools to environmental decision-making.

ENTRY REQUIREMENTS

In order to be admitted to the MSc, Postgraduate Diploma, or Certificate programmes, candidates must normally:

a. Have a bachelor's degree from a recognised University; **OR**
b. Have previous equivalent level of education and relevant experience which would be acceptable to the University;
c. Mature students who do not satisfy the above requirements but who have considerable work experience and who are deemed capable of achieving the standard of work required for the programmes may be permitted to enter these programmes at the discretion of the Faculty and the University.

PROGRAMME STRUCTURE

POSTGRADUATE CERTIFICATE IN ENVIRONMENTAL RESILIENCE AND SUSTAINABILITY

This Certificate pathway comprises 12 credits: 3 core courses (12 credits).

SEMESTER 1 **CORE COURSES** **Course Code**	**Course Title**	**Credits**
GEOG 4010	Stakeholder Engagement and Participatory Field Methods for Natural Resource Management	4

SEMESTER 2 **Course Code**	**Course Title**	**Credits**
GEOG 4012	Sustainable and Resilient Planning	4
GEOG 4014	Climate Change: Impacts, Adaptation and Resilience	4

POSTGRADUATE DIPLOMA IN ENVIRONMENTAL RESILIENCE AND SUSTAINABILITY

This Diploma pathway comprises 24 credits: 6 core courses.

SEMESTER 1
CORE COURSES

Course Code	Course Title	Credits
GEOG 5010	Stakeholder Engagement and Participatory Field Methods for Natural Resource Management	4
GEOG 5011	Integrated Water and Coastal Management	4
FOSQ 5011	Research and Statistical Skills for Food and Agriculture	4

SEMESTER 2

Course Code	Course Title	Credits
GEOG 5012	Sustainable and Resilient Planning	4
GEOG 5013	Applied GIS & Remote Sensing for Environmental Science	4
GEOG 5014	Climate Change: Impacts, Adaptation and Resilience	4

MSc Degree – Internship Pathway

This MSc internship pathway comprises 36 credits, including seven core courses, one of which is a 6-credit Internship, as well as two electives selected from the approved list.

SEMESTER1
CORE COURSES

Course Code	Course Title	Credits
GEOG 6010	Stakeholder Engagement and Participatory Field Methods for Natural Resource Management	4
GEOG 6011	Integrated Water and Coastal Management	4
FOSQ 6011	Research and Statistical Skills for Food and Agriculture	4

SEMESTER 2

Course Code	Course Title	Credits
GEOG 6012	Sustainable and Resilient Planning	4
GEOG 6013	Applied GIS & Remote Sensing for Environmental Science	4
GEOG 6014	Climate Change: Impacts, Adaptation and Resilience	4

SEMESTER 3

Course Code	Course Title	Credits
GEOG 6015	Internship	6

AND two (2) **ELECTIVES from the following:**
Semester 1

Course Code	Course Title	Credits
PRMG 6003	Project and Programme Management	3
INRL 6012	Global Environmental Governance	4

SEMESTER 2

Course Code	Course Title	Credits
SALI 6023	Monitoring and Evaluation	4
INRL 6102	Climate Change: Policy and Economic Options for SIDS	3

MSc Degree – Research Paper Pathway

This MSc pathway comprises 36 credits, including seven core courses, one of which is a 6-credit Research Paper, as well as two electives selected from the approved list.

SEMESTER 1
CORE COURSES

Course Code	Course Title	Credits
GEOG 6010	Stakeholder Engagement and Participatory Field Methods for Natural Resource Management	4
GEOG 6011	Integrated Water and Coastal Management	4
FOSQ 6011	Research and Statistical Skills for Food and Agriculture	4

SEMESTER 2

Course Code	Course Title	Credits
GEOG 6012	Sustainable and Resilient Planning	4
GEOG 6013	Applied GIS & Remote Sensing for Environmental Science	4
GEOG 6014	Climate Change: Impacts, Adaptation and Resilience	4

SEMESTER 3

Course Code	Course Title	Credits
GEOG 6016	Research Paper	6

AND two (2) ELECTIVES from the following:
Semester 1

PRMG 6003	Project and Programme Management	
INRL 6012	Global Environmental Governance	3
		4

SEMESTER 2

SALI 6023	Monitoring and Evaluation	4
INRL 6102	Climate Change: Policy and Economic Options for SIDS	3

MSc Degree – Research Thesis

This MSc pathway comprises 36 credits: 7 core courses (30 credits) including a compulsory Research Project (12 credits).

SEMESTER 1

CORE COURSES Course Code	Course Title	Credits
GEOG 6010	Stakeholder Engagement and Participatory Field Methods for Natural Resource Management	4
GEOG 6011	Integrated Water and Coastal Management	4
FOSQ 6011	Research and Statistical Skills for Food and Agriculture	4

SEMESTER 2

Course Code	Course Title	Credits
GEOG 6012	Sustainable and Resilient Planning	4
GEOG 6013	Applied GIS & Remote Sensing for Environmental Science	4
GEOG 6014	Climate Change: Impacts, Adaptation and Resilience	4

SEMESTER 3

Course Code	Course Title	Credits
GEOG 6017	Research Project (Environmental Resilience and Sustainability)	12

MPhil & PhD in Geography

This programme provides high quality research training in multi-disciplinary geographical research methods, to facilitate candidates conducting research in areas of regional importance and international significance, and to produce graduates capable of developing and leading their own research projects, either in academia or industry. The programme allows for study in areas of Geography faculty interests and expertise. The MPhil/PhD programme aims to improve the research potential of both the individual candidate and that of the Department. Candidates admitted to the MPhil/PhD programme in Geography will join a rapidly expanding and dynamic, interdisciplinary research community. The programme is used in the investigation of regional problems of geographic nature to the benefit of the region.

ENTRY REQUIREMENTS

Holders of undergraduate degrees in Geography or other related disciplines will be eligible for admission. Normally, the minimum requirement for admission to the MPhil programme is at least an Upper Second-Class Honours degree (minimum GPA of 3.0 or equivalent). For entry to the PhD programme, candidates with any of the following qualifications will normally be eligible for admission:

1. Holders of MPhil degrees awarded from recognized Institutions in Geography or related disciplines;
2. Applicants with taught MSc degrees in Geography or related disciplines with GPA of B+ from recognized Institutions, provided that the MSc programme included a research project worth at least 6 credit hours;
3. Students registered in MPhil programmes of the UWI in Geography who have met the requirements for upgrade in accordance with stipulated guidelines by the Board for Graduate Studies and Research;
4. Applicants possessing such other qualifications and experience as the Board for Graduate Studies and Research may deem acceptable.

NOTE: Acceptance of applicants **DIRECTLY INTO THE PHD PROGRAMME** must be approved by the Board for Graduate Studies and Research in accordance with Regulations for Graduate Diplomas and Degrees.

Previous experience in research (e.g., through an undergraduate or MSc project) will be given special consideration in assessing a candidate's suitability for admission. Candidates are expected to develop a research proposal as part of their application, in conjunction with academic staff members in Geography. Applicants with weak undergraduate qualifications or limited exposure to the subject matter in the area of interest for specialization, may, under exceptional circumstances, be required to pursue and complete qualifying courses recommended by Head of Department as a pre-requisite to admission.

Admission to the Geography MPhil/ PhD programme may be subject to an interview by a panel to include the potential supervisor(s) and Head of Department. Only candidates with both the academic ability and appropriate aptitude will be admitted to the programme. Where there is more than one suitable applicant for a particular project, admission will be granted on a competitive basis to the best candidate only.

COURSE OF STUDY

MPhil students are required to complete a total of at least 6 credits, whereas PhD students should complete at least 9 credits of courses. Appropriate courses for the intended area of research will be assigned by the Head of Department in liaison with the supervisory team. All students are normally required to complete the following course during their first year of study:

Course Code	Course Title	Credits
GEOG 6000	Philosophy and Practice of Research in Geography	3

PLUS at least 3 additional approved credits for MPhil students **OR** 6 additional approved credits for PhD students. Candidates must pass the appropriate examinations for assigned courses before being allowed to submit a thesis.

In addition, as per Faculty regulations, all postgraduate research students are required to present at least two seminars at the MPhil level and three seminars at the PhD level. These seminars are assessed components of the programme, and candidates are required to formally register. The course codes for such courses are as follows:

MPHIL COURSES

Course Code	Course Title
GRSM 7000	Graduate Seminar – MPhil
GRSM 7001	Graduate Research Seminar I (mandatory – no credit)
GSRM 7002	Graduate Research Seminar II (mandatory – no credit)

PHD COURSES

Course Code	Course Title
GRSM 8000	Graduate Seminar – PhD
GRSM 8001	Graduate Research Seminar I (mandatory – no credit)
GSRM 8002	Graduate Research Seminar II (mandatory – no credit)
GSRM 8003	Graduate Research Seminar III (mandatory – no credit)

PROGRESSION FROM MPHIL TO PHD

MPhil candidates may be upgraded to PhD under certain conditions. Before being permitted to progress from MPhil to PhD, candidates will be required to submit a report of their research to date which includes a detailed literature review and a plan of research for the PhD. This report will be reviewed and the candidate examined in accordance with relevant University regulations by a panel comprising of one internal examiner and the candidate's supervisor(s). Those candidates who do not meet the requirements for progression to PhD will be invited to submit an MPhil thesis for examination.

THESIS

Both the MPhil and PhD degrees are examined by thesis and in the case of the PhD also by public oral examination (thesis defence) as per the University regulations. MPhil and PhD candidates must register for and complete either GEOG 7010 (MPhil Thesis – Geography) or GEOG 8010 (PhD Thesis – Geography), respectively. The appropriate degree will be awarded upon completion of the programme which includes the successful completion of all the required courses, seminars and the submission and successful defence of the MPhil/ PhD thesis.

COCOA RESEARCH CENTRE

The Cocoa Research Centre is a UWI campus Centre located at St. Augustine, Trinidad and Tobago. The Cocoa Research Centre (CRC) along with its predecessor organization is the oldest Cocoa Research facility in the world, having been in existence for over 90 years. This, along with the International Cocoa Genebank that it curates and the global DNA fingerprinting service it provides, has given it an international stature. We are pleased to collaborate with our sister Faculty of Agriculture to deliver two new graduate programmes, as follows.

MPhil & PhD in Cocoa Science

Cocoa Science involves research along the value chain to address productivity increases, postharvest processing and quality issues, risk mitigation, evaluation and utilization of cocoa genetic resources towards developing new breeding technologies or varieties as well as developing a range of innovative products. The overall goal of the programme is therefore to produce a cadre of professional researchers, who can operate in an interdisciplinary research environment to support the growth and development of the regional fine cocoa industries, while producing value employment opportunities within the new knowledge economy.

The specific objectives include

(1) Creating a cadre of graduates capable of conservation, management and utilization of cocoa genetic resources
(2) Developing geneticists capable of applying modern genetic technologies such as genome wide association studies, QTL mapping, functional assays to validate candidate genes, and genomic selection methodologies in crop improvement
(3) Training postgraduate students in the area of risk mitigation including cutting edge areas such as mitigation of climate change impact, losses due to pest and disease and other food safety risks
(4) Nurturing researchers capable of carrying out multidisciplinary projects dealing with contemporary problems facing the cocoa industry
(5) Developing researchers in cocoa postharvest processing and quality management using conventional and novel tools such as proteomics, metagenomics, metabolomics.
(6) Developing innovators in product and process design to improve market penetration, and/or efficiency.

ENTRY REQUIREMENTS

Admission to an MPhil programme:

Holders of undergraduate degrees in Agriculture, Biology or any other related disciplines will be eligible for admission. Normally, the minimum requirement for admission to the MPhil programme is at least an Upper Second-Class Honours degree (minimum GPA of 3.0 or equivalent).

For entry to the PhD programme, candidates with any of the following qualifications will normally be eligible for admission:

1. Holders of MPhil degrees awarded from recognized Institutions in Agriculture or related disciplines;
2. Applicants with taught MSc degrees in Agriculture or related disciplines with GPA of B+ from recognized Institutions, provided that the MSc programme included a research project worth at least 6 credit hours;
3. Students registered in MPhil programmes of the UWI in Cocoa Science who have met the requirements for upgrade in accordance with stipulated guidelines by the Board for Graduate Studies and Research;
4. Applicants possessing such other qualifications and experience as the Board for Graduate Studies and Research may deem acceptable.

Previous experience in research (e.g., through an undergraduate or MSc project) will be given special consideration in assessing a candidate's suitability for admission. Candidates are expected to develop a research proposal as part of their application, in conjunction with academic staff members in Cocoa Research Centre.

Admission to the MPhil/PhD programme may be subject to an interview by a panel to include the potential supervisor(s) and the Director of CRC. Only candidates with both the academic ability and appropriate aptitude will be admitted to the programme. Where there is more than one suitable applicant for a particular project, admission will be granted on a competitive basis to the best candidate only.

The codes for registering for the programmes are:
MPhil Cocoa Science – COCS-PHL-S-F
PhD in Cocoa Science – COCS-PHD-S-F

COURSE OF STUDY
MPhil students are required to complete a total of at least 6 credits, whereas PhD students should complete at least 9 credits of courses. Appropriate courses for the intended area of research will be assigned by the Director, in liaison with the supervisory team.

COURSE WORK REQUIREMENT:
MPhil degree

a. MPhil thesis
b. Graduate courses equivalent to six credits from the recommended list below.

Doctor of Philosophy:

a. PhD Thesis
b. Graduate courses or the equivalent to nine credits from the recommended list below.

Students will also be exposed to seminars and workshops geared to enhance their skills in oral, written and poster presentations, working towards the ultimate goal to ensure that the work is disseminated to the public as well as other scientists. They will be encouraged to submit at least one journal article prior to submission of an MPhil thesis, and at least two journal articles prior to submission of the PhD thesis.

RECOMMENDED GRADUATE LEVEL COURSES:

(All the courses in the list are existing courses for which approval has already been obtained by the various departments and Faculties):

Course Code	Course Title	Credits
BIOL5200	Characteristics of Biodiversity	3
BIOL5208	Conservation and Management of Biodiversity	3
AGRI 6620	Statistical Methods	4
AGBU 6301	Research Methodology	4

In addition, as per Faculty regulations, all postgraduate research students are required to present at least two seminars at the MPhil level and three seminars at the PhD level before they will be allowed to submit their thesis. These seminars are assessed components of the programme, and candidates are required to formally register. The course codes for such courses are as follows:

MPHIL COURSES

Course Code	Course Title
GRSM 7000	Graduate Seminar – MPhil
GRSM 7001	Graduate Research Seminar I (mandatory – no credit)
GSRM 7002	Graduate Research Seminar II (mandatory – no credit)

PHD COURSES

Course Code	Course Title
GRSM 8000	Graduate Seminar – PhD
GRSM 8001	Graduate Research Seminar I (mandatory – no credit)
GSRM 8002	Graduate Research Seminar II (mandatory – no credit)
GSRM 8003	Graduate Research Seminar III (mandatory – no credit)

PROGRESSION FROM MPHIL TO PHD

MPhil candidates may be upgraded to PhD under certain conditions. Before being permitted to progress from MPhil to PhD, candidates will be required to submit a report of their research to date, which includes a detailed literature review and a plan of research for the PhD. This report will be reviewed and the candidate examined in accordance with relevant University regulations by a panel comprising of one internal examiner and the candidate's supervisor(s). Those candidates who do not meet the requirements for progression to PhD will be invited to submit an MPhil thesis for examination.

THESIS

Both the MPhil and PhD degrees are examined by thesis and in the case of the PhD also by public oral examination (thesis defense) as per the University regulations. The appropriate degree will be awarded upon completion of the programme, which includes the successful completion of all the required courses, seminars and the submission and successful defense of the MPhil/ PhD thesis. Candidates must complete the MPhil thesis (**COCS 7000**) and for the PhD thesis (**COCS 8000**) of the Faculty of Food and Agriculture and may defend his/her thesis at a public oral examination.

COURSE DESCRIPTIONS

DEPARTMENT OF AGRICULTURAL ECONOMICS & EXTENSION

AGBU

SEMESTER: 1
COURSE CODE: AGBU 6002
COURSE TITLE: INTERNATIONAL TRADE AND MARKETING
NUMBER OF CREDITS: 4
PREREQUISITE: NONE
COURSE DESCRIPTION: This course gives learners a detailed appreciation of the international trade and global marketing environment. It provides an understanding of the connections between trade agreements and market access and performance as well as the structures and functioning of global markets. With the content and analyses learnt in this course, policy practitioners we well those involved in trade negotiations will find the course particularly useful. At the end of the course, students will have a good understanding of the international trade and marketing environment and be able to articulate the fundamental underpinnings through the formulation and presentation of cogent arguments. The course provides the learner with the essential tools to manage market information systems, modern market logistics and trade facilitation structures. This Course gives learners an opportunity to deal interactively with trade policy tools, market structures and analytical tools. The aim of this Course is to equip learners with an understanding of the tools and methodology needed to undertake analysis of trade agreements, assess challenges, locate, and evaluate market. The Course enhances the learner skills for interpretation of trade agreements, assess export readiness, undertake market assessments, undertake feasibility analyses, and develop market information and intelligence reports. Econometric modelling is also used in the course. Students will use the computer extensively to undertake research, and practice the techniques introduced in the Course.
ASSESSMENT:

Coursework	100%

SEMESTER: 1 ***(CHECK DEPT FOR AVAILABILITY)***
COURSE CODE: AGBU 6102
COURSE TITLE: STATISTICS AND MATHEMATICS FOR AGRIBUSINESS
NUMBER OF CREDITS: 4
PREREQUISITE: AGBU 2003 OR AGBU 3005 OR EQUIVALENT OR ECON 2006 OR HUEC 1005
COURSE DESCRIPTION: Probability distributions; mathematical expectations; estimation of parameters; tests of hypotheses; analysis of variance; functions of one and several variables; partial derivatives; total derivatives; matrices and determinants; integrals; constrained optimisation.
ASSESSMENT:

Coursework	40%
Final examination	60%

SEMESTER: 2 ***(CHECK DEPT FOR AVAILABILITY)***
COURSE CODE: AGBU 6103
COURSE TITLE: SUSTAINABLE RURAL DEVELOPMENT
NUMBER OF CREDITS: 4
PREREQUISITE: NONE
COURSE DESCRIPTION: Advanced concepts of economic growth and sustainable development are covered especially as they relate to agriculture. The use of economic tools and theories to analyse the performance of the agricultural sector and assessing the potential for sustainable development through the wise use of available resources. The Human Development Index as it relates to Caribbean countries. The role of women in the development process is studied in-depth using real-life field situations. Analysis of the principal causes of rural environmental problems in the Caribbean and the provision of solutions to reduce their negative impact.
ASSESSMENT:

Coursework	40%
Final examination	60%

SEMESTER: 1 ***(CHECK DEPT FOR AVAILABILITY)***
COURSE CODE: AGBU 6201
COURSE TITLE: AGRICULTURAL MARKETING
NUMBER OF CREDITS: 4
PREREQUISITE: NONE
COURSE DESCRIPTION: This course introduces the concepts of marketing theories in the context of food and agricultural production, processing and distribution. It integrates the discussion of markets with marketing principles and strategies to provide an understanding of the economic theories and concepts necessary for analysis of global food and agricultural markets. The course involves topics on marketing management, market research and development, critical appraisal of existing marketing arrangements/institutions for agricultural commodities.
ASSESSMENT:
Coursework 100%

SEMESTER: 2 ***(CHECK DEPT FOR AVAILABILITY)***
COURSE CODE: AGBU 6202
COURSE TITLE: AGRIBUSINESS MANAGEMENT
NUMBER OF CREDITS: 4
PREREQUISITE: NONE
COURSE DESCRIPTION: This course addresses the key components of agribusiness management, with a focus on the management tools used to measure business performance. There will be an emphasis on evaluating farm businesses incorporating financial, marketing, production and human resource management tools, decision-making techniques, technology adoption and management of risk. It includes problems, issues, regulations, policies, and procedures relevant to global agribusiness, with specific reference to perishable and storable agricultural commodities and food products.
ASSESSMENT:
Coursework 100%

SEMESTER: 1
COURSE CODE: AGBU 6301
COURSE TITLE: RESEARCH METHODOLOGY
NUMBER OF CREDITS: 4
PREREQUISITE: NONE
COURSE DESCRIPTION: This course explores how to conduct research from the perspective of what is necessary to conduct research logically, so that high standards of scientific quality and ethics are maintained. The actual methods used in the empirical procedures in research differ markedly from discipline to discipline. Thus, this course will not attempt to deal with any method or procedure in research that is unique to any particular discipline. Instead, the course will focus on the logical and ethical basis of scientific research and the logical arguments that are favoured in critical thinking and scientific writing, which are prerequisites for scientific research. reports.
ASSESSMENT:
Coursework 100%

SEMESTER: 2 ***(CHECK DEPT FOR AVAILABILITY)***
COURSE CODE: AGBU 6302
COURSE TITLE: QUANTITATIVE METHODS I
(OPERATIONS RESEARCH)
NUMBER OF CREDITS: 4
PREREQUISITE: AGBU 3005- QUANTITATIVE METHODS OR EQUIVALENT
COURSE DESCRIPTION: Operations Research or Management Science is the application of scientific methods, techniques and tools to problems involving the operations of a system to provide those in control of the system with optimum solutions to problems. It is a scientific approach to solving management problems. The Course will therefore essentially deal with the specification, modelling, solving and interpretation of quantitative models in the applications to agriculture and agribusiness management. This is geared to solve operational problems in these disciplines. It primarily uses the MS Excel software to manipulate and visualization of solutions.
ASSESSMENT:
Coursework 100%

SEMESTER: 1 ***(CHECK DEPT FOR AVAILABILITY)***
COURSE CODE: AGBU 6303
COURSE TITLE: INVESTMENT ANALYSIS AND FINANCING FOR AGRIBUSINESS
NUMBER OF CREDITS: 4
PREREQUISITE: AGBU 3000
COURSE DESCRIPTION: This course develops the skills required for the analysis / appraisal of investment projects for agribusinesses. Students would also learn to evaluate alternative types / sources of financing and to develop financing strategies for the agribusiness. The course presents theoretical concepts, methodology and techniques of financial investment analysis. The special case of production related agricultural projects as well as international financing of agribusiness would be considered.
ASSESSMENT:
Coursework 100%

SEMESTER: 1
COURSE CODE: AGBU 6401
COURSE TITLE: ECONOMICS OF FOOD SECURITY
NUMBER OF CREDITS: 4
PREREQUISITE: NONE
COURSE DESCRIPTION: This course uses economic concepts and principles in the analysis of food and nutrition security issues by addressing the constraints/problems associated with the attainment of food and nutrition security namely: low domestic food output, preference for foreign foods, and the uncompetitiveness of domestic production namely high labour costs, risks and uncertainty and small size. The course includes a number of theoretical principles of economics, the specific applications of which can help in providing solutions to the major constraints to the attainment of food and nutrition security. The course provides the essential building blocks required by students to articulate food and nutrition security related concepts and assess local, regional and international economic factors influencing the food security status of the CARICOM region, the individual nation states as well as individual households. Active student participation in the classroom presentations and discussions of case studies is encouraged. Coursework assessment includes two assignments relating to the analysis of case studies, a research paper and a final examination.

ASSESSMENT:
Coursework 100%

SEMESTER: 2
COURSE CODE: AGBU 6402
COURSE TITLE: FOOD POLICY AND FOOD SECURITY
NUMBER OF CREDITS: 4
PREREQUISITE: NONE
COURSE DESCRIPTION: This course provides learning opportunities to prepare students to articulate food security and related concepts, assess and monitor food security and explores why greater developments of programs and policy initiatives for food security have not occurred. Frameworks for determining effective food security policies and programmes, will be examined during the course, along with proposals for policy and programme change. Students will also have the opportunity to explore global, regional and local issues in food production and distribution, given that food is increasingly viewed as an urgent political, social and economic issue for all developing countries and not just for the Caribbean. Students are encouraged to actively participate in the classroom presentations and discussions on policy issues. For this course, assessments include two assignments: one involving the use of measures of food security and the other relating to the analysis of a case study. A research paper and final examination represent the other forms of assessment to be used.
ASSESSMENT:
Coursework 100%

SEMESTER: 1 ***(CHECK DEPT FOR AVAILABILITY)***
COURSE CODE: AGBU 6501
COURSE TITLE: MICROECONOMICS
NUMBER OF CREDITS: 4
PREREQUISITES: AGBU 2002 OR ECON 2015, ECON 2000 AND ECON 2001 OR EQUIVALENT
COURSE DESCRIPTION: This course explores the mathematics and theory behind economic problems and their possible solutions. It takes an in-depth view at the various models that are commonly used in economics, the theory of the consumer and how the consumer makes a rational choice. It also reviews how changes in consumer incomes affect their purchase decisions and how various forms of market power affect the price and quantity of goods in the market, as well as the welfare of economic agents.
ASSESSMENT:

Coursework	100%

SEMESTER: 2 ***(CHECK DEPT FOR AVAILABILITY)***
COURSE CODE: AGBU 6602
COURSE TITLE: QUANTITATIVE METHODS II (ECONOMETRICS)
NUMBER OF CREDITS: 4
PREREQUISITE: NONE
COURSE DESCRIPTION: Evaluation of statistical estimation and testing of economic models, for use in agricultural policy development, marketing and production research. Emphasis is on the application of the multivariate linear regression model for estimating relationships important for agriculture and agribusiness management. Violations of basic assumptions: multicollinearity; misspecification; heteroscedasticity; autocorrelation. Estimation using panel data. Non-linear least squares. Time Series Modelling. The use of STATA software is integrated in homework assignments to support analysis and application.
ASSESSMENT:

Coursework	100%

SEMESTER: 2 ***(CHECK DEPT FOR AVAILABILITY)***
COURSE CODE: AGBU 6610
COURSE TITLE: ECONOMIC THEORY
NUMBER OF CREDITS: 4
PREREQUISITE: AGBU 6501
COURSE DESCRIPTION: In-depth Treatment of Selected Topics given under AGBU 6501 (AM 65A). Foundations of macro-economics. Public Sector economics
ASSESSMENT:

Coursework	40%
Final examination	60%

SEMESTER: 2 ***(CHECK DEPT FOR AVAILABILITY)***
COURSE CODE: AGBU 6650
COURSE TITLE: ECONOMIC DEVELOPMENT AND INTERNATIONAL TRADE
NUMBER OF CREDITS: 4
PREREQUISITE: NONE
COURSE DESCRIPTION: Main modern development theories. Survey of international trade theories with special reference to problems of small developing economies. Functioning of the international economic system; the new international economic order. Economic integration. International Competitiveness with special reference to Caribbean Agricultural Commodities.
ASSESSMENT:

Coursework	40%
Final examination	60%

SEMESTER: 2 ***(CHECK DEPT FOR AVAILABILITY)***
COURSE CODE: AGBU 6690
COURSE TITLE: ADVANCED AGRICULTURAL MARKETING II
NUMBER OF CREDITS: 4
PREREQUISITE: AGBU 6903
COURSE DESCRIPTION: Current developments affecting market structure and conduct including effects of contractual arrangements, vertical integration, governmental policies and regulation. Wholesale and retail marketing of food. Strategic marketing behaviour including entry and pricing strategies. Global market research. Supply chain management. Futures markets.
ASSESSMENT:

Coursework	40%
Final examination	60%

SEMESTER: 2 ***(CHECK DEPT FOR AVAILABILITY)***
COURSE CODE: AGBU 6691
COURSE TITLE: ADVANCED AGRIBUSINESS MANAGEMENT I
NUMBER OF CREDITS: 4
PREREQUISITE: NONE
COURSE DESCRIPTION: Problems, issues, regulations, policies, and procedures relevant to global agribusiness, with specific reference to perishable and storable agricultural commodities and food products. Recent advances in farm and agribusiness management with the focus on firm-level agribusiness concepts, international agribusiness and import and export management.
ASSESSMENT:

Coursework	40%
Final examination	60%

SEMESTER: 2 ***(CHECK DEPT FOR AVAILABILITY)***
COURSE CODE: AGBU 6692
COURSE TITLE: ADVANCED NATURAL RESOURCE AND ENVIRONMENTAL ECONOMICS
NUMBER OF CREDITS: 4
PREREQUISITE: AGBU 6902
COURSE DESCRIPTION: Static and Dynamic modelling of environmental and natural resources. Environmental governance. Advanced valuation techniques and analysis. Spatial modelling and management of resource use. Applying environmental policy instruments.
ASSESSMENT:

Coursework	40%
Final examination	60%

SEMESTER: 2 ***(CHECK DEPT FOR AVAILABILITY)***
COURSE CODE: AGBU 6901
COURSE TITLE: AGRICULTURAL POLICY AND ANALYSIS
NUMBER OF CREDITS: 4
PREREQUISITE: NONE
COURSE DESCRIPTION: This course gives learners a detailed appreciation of the international trade and access to markets. It provides an understanding of the connections between trade agreements between nations and doing business in respective countries markets. The course also allows learners to understand the multiplicity of dimensions that enables trade through a series of computational indicators.
ASSESSMENT:

Coursework	60%
Final examination	40%

SEMESTER: 2 ***(CHECK DEPT FOR AVAILABILITY)***
COURSE CODE: AGBU 6902
COURSE TITLE: ENVIRONMENTAL ECONOMICS II
NUMBER OF CREDITS: 4
PREREQUISITE: NONE
COURSE DESCRIPTION: This is an intermediate course on environmental economics. It explores the modelling of environmental systems, their categorization and use, and the application of fundamental microeconomics in solving environmental problems.
ASSESSMENT:

Coursework	40%
Final examination	60%

SEMESTER: 2 ***(CHECK DEPT FOR AVAILABILITY)***
COURSE CODE: AGBU 6903
COURSE TITLE: ADVANCED AGRICULTURAL MARKETING I
NUMBER OF CREDITS: 4
PREREQUISITE: AGBU 3005 - QUANTITATIVE METHODS OR EQUIVALENT
COURSE DESCRIPTION: An examination of concepts in economic theory and quantitative methods as they are applied to the solution of marketing problems. The focus will be on concepts that enhance abilities to: identify market problems, place these problems in an analytical framework with testable hypotheses, empirically implement the resulting hypothesis tests and draw policy implications from the results of hypothesis tests.
ASSESSMENT:

Coursework	40%
Final examination	60%

SEMESTER: 1 & 2
COURSE CODE: AGBU 6999
COURSE TITLE: RESEARCH PROJECT
NUMBER OF CREDITS: 12
PREREQUISITE: NONE
COURSE DESCRIPTION: This research project, involves the development of a research question, hypothesis, experimental procedures, data analysis and interpretation and discussion. A written research project is expected at the end of the process.

SEMESTER: 1 & 2
COURSE CODE: AGBU 8000
COURSE TITLE: QUANTITATIVE METHODS III
NUMBER OF CREDITS: 4
PREREQUISITE: AGBU 6602 OR EQUIVALENT
COURSE DESCRIPTION: Detailed treatment of problems associated with single equation estimation: auto-correlation, errors in variables, multi-collinearity, heteroskedasticity, lagged variables. Simultaneous equation system: the concept of identification, structural equations and the reduced form, two-staged econometric models, mathematical programming and simulation application to agricultural economic research.
ASSESSMENT:

Coursework	40%
Final examination	60%

AGEX

SEMESTER: 1
COURSE CODE: AGEX 5007
COURSE TITLE: CURRENT ISSUES IN CLIMATE CHANGE AND DISASTER RISK MANAGEMENT
NUMBER OF CREDITS: 4
PREREQUISITE: NONE
COURSE DESCRIPTION:
This course attempts to explore the issues small island developing states are faced with as a result of the changing climate. Emphasis is placed on the challenges climate change poses to agriculture and rural development. Students will be introduced to the concept of climate change and its impacts on agriculture particularly in the Caribbean. The capacity to develop suitable management responses, disaster risk identification, and assessment strategies developed and implemented at the community level is also explored. A focus on introducing students to the various climate-related issues affecting the Caribbean islands, and the role and functions of extension and advisory services in developing and managing disaster risk management strategies at the community level would be done.
ASSESSMENT:
Coursework 100%

SEMESTER: 1
COURSE CODE: AGEX 5008
COURSE TITLE: AGRICULTURAL EXTENSION FOR COMMUNITY DEVELOPMENT IN A CLIMATE CHANGE ERA
NUMBER OF CREDITS: 4
PREREQUISITE: NONE
COURSE DESCRIPTION:
Contemporary concepts, theories, and methods facilitating agricultural and rural development change would be discussed in this course. The roles and functions of extension or advisory services in micro (community development) change processes with special emphasis on agricultural and rural communities, and how these changes are embedded in the wider development will be explored via policy proposal development, interactive online class discussions and case analyses. Contemporary frameworks such as, Agricultural Innovation Systems (AIS), Information and Communication Technologies (ICTs) will provide an important basis relating to extension in change and community development.
ASSESSMENT:
Coursework 100%

SEMESTER: SUMMER
COURSE CODE: AGEX 5009
COURSE TITLE: PLANNING AND MANAGEING DEVELOPMENT PROGRAMMES TO MITIGATE CLIMATE CHANGE
NUMBER OF CREDITS: 4
PREREQUISITE: NONE
COURSE DESCRIPTION:
Managing development outcomes of programs and projects requires that planning, monitoring and evaluation be addressed as interrelated and cyclical activities. Developing competencies of students for managing agricultural and community development program is the focus of this course. Providing a framework for understanding the roles of a manager and the principles, concepts, and techniques that can be used in carrying out these functions will be the focus. The students will be introduced to the knowledge and skills necessary for managing, planning, and evaluating agricultural and community development programs. The course focuses on global perspectives in managing development results (e.g. UNDP, World Bank, CGIAR, GFAR, GFRAS, IFAD, FAO) which students can apply in the Caribbean context of interests.
ASSESSMENT:
Coursework 100%

SEMESTER: 2
COURSE CODE: AGEX 5010
COURSE TITLE: ICTS FOR EXTENSION AND DEVELOPMENT WORKERS
NUMBER OF CREDITS: 4
PREREQUISITE: NONE
COURSE DESCRIPTION:
This course provides key concepts and skills for various types of communications/ ICTs ranging from those that are mainly instructional in nature to persuasive communications. It will be useful in situations ranging from delivering a short talk at a meeting to organizing informational programs involving the use of several media. While this course cannot give students the skills to cover all communicative situations, a solid base on which students can build in their professional life ahead would be laid. Emphasis on the use of various Information and Communication Technologies (ICTs) tools as a means of strengthening the move towards e-extension as a complementary approach to traditional face-to-face extension would be placed. The development of social media campaigns, blogs, the preparation of videos and audio recordings and the creation of e-portfolios comprise the practical activities students are expected to complete as part of the assessment for this course.
ASSESSMENT:
Coursework 100%

SEMESTER: 2
COURSE CODE: AGEX 5011
COURSE TITLE: EXTENSION METHODS FOR CLIMATE CHANGE ADAPTION
NUMBER OF CREDITS: 4
PREREQUISITE: NONE
COURSE DESCRIPTION:
This course intends to provide students with information on several key adaptation initiatives relating to extension service delivery for climate change adaptation. Upon completion of this course, students are expected to be able to deliver extension services to stakeholders emphasizing climate-smart community development strategies.
ASSESSMENT:
Coursework 100%

SEMESTER: SUMMER
COURSE CODE: AGEX 5012
COURSE TITLE: WOMEN AND YOUTH IN AGRICULTURE AND COMMUNITY DEVELOPMENT
NUMBER OF CREDITS: 4
PREREQUISITE: NONE
COURSE DESCRIPTION:
Developing the capacity of youth and women is a critical requirement for agricultural development. This course provides critical insights into 'capacity development' from a holistic and systemic perspective. Students will be introduced to approaches and methods of capacity development that go beyond 'training' individuals and includes issues related to power-relations, organization and institutions. Learning resources are designed, to encourage students to examine their assumptions and understanding of capacity development as a transformational process and creating spaces for women and youth to play their roles in agricultural development.
ASSESSMENT:
Coursework 100%

SEMESTER: SUMMER
COURSE CODE: AGEX 5013
COURSE TITLE: PRACTICUM
NUMBER OF CREDITS: 4
PREREQUISITE: NONE
COURSE DESCRIPTION:
Extension and Advisory Service providers are required to combine both theoretical and practical experiences whilst effectively delivering services to their clients. The core competencies of extensionists centre on bridging this gap. Informing clients, diagnosing problems, persuading clients to adopt innovations, exchanging information, training clients, reminding them to take timely action and gathering feedback all rely on a solid combination of theoretical and practical experiences.

This course intends to provide students with practical work experience whilst emphasizing the importance of learning and doing. This will be ensured by providing students with the opportunity to actively engage in practical work and research relating to a selected topic/ area of choice, coupled with practical field experiences. Students are expected to participate in an on-field work exercise and prepare a written report documenting the research process.
ASSESSMENT:
Coursework 100%

SEMESTER: 1 ***(CHECK DEPT FOR AVAILABILITY)***
COURSE CODE: AGEX 6001
COURSE TITLE: PRINCIPLES OF RURAL SOCIOLOGY
NUMBER OF CREDITS: 4
PREREQUISITE: NONE
COURSE DESCRIPTION: Theoretical perspectives for studying rural communities and developing societies in general. Profiles of rural communities and households in the Caribbean. Sociological variables in development projects. Case studies of rural development projects in the Caribbean and other countries. Field observations and exercises involving rural communities.
ASSESSMENT:
Coursework 40%
Final examination 60%

SEMESTER: 2 ***(CHECK DEPT FOR AVAILABILITY)***
COURSE CODE: AGEX 6002
COURSE TITLE: PROGRAMME PLANNING, MONITORING, AND EVALUATION IN AGRICULTURE AND RURAL DEVELOPMENT
NUMBER OF CREDITS: 4
PREREQUISITE: NONE
COURSE DESCRIPTION: Advanced principles and procedures for planning, conducting, monitoring and evaluating extension programmes in agriculture, natural resource management, community nutrition etc. The roles of the frontline extension worker, the supervisor, and programme manager. The study of some important concepts in programme development--stakeholder participation involving multidisciplinary teams and other participatory approaches, group dynamics, leadership, motivation. Current models and approaches for developing various types of extension programmes. Field experiences and assignments in various aspects of the course.
ASSESSMENT:
Coursework 40%
Final examination 60%

SEMESTER: 1 ***(CHECK DEPT FOR AVAILABILITY)***
COURSE CODE: AGEX 6003
COURSE TITLE: TRENDS AND EMERGING ISSUES IN EXTENSION
NUMBER OF CREDITS: 4
PREREQUISITE: NONE
COURSE DESCRIPTION: Advanced concepts and current issues in Extension including Agricultural Knowledge and Information System (AKIS), decentralisation, privatisation of Extension systems, role of Extension in poverty-oriented development etc. Analysis of case studies from the Caribbean and worldwide involving Extension reforms. The course includes participation in available email forums and other ongoing events.
ASSESSMENT:
Coursework 25%
Final examination 75%

SEMESTER: 1 ***(CHECK DEPT FOR AVAILABILITY)***
COURSE CODE: AGEX 6004
COURSE TITLE: SOCIOLOGY OF AGRICULTURE & RURAL DEVELOPMENT
NUMBER OF CREDITS: 4
PREREQUISITE: NONE
COURSE DESCRIPTION: The course introduces students to the field of development sociology as it relates to agriculture & rural development. This introduction provides students with a necessary basic conceptual standpoint to comprehend different dimensions in the field of sociology relevant to agrarian development. This leads to an examination of several themes as applied in agriculture and rural development: agricultural practices, the environment and the community (e.g. biofuel, transgenic crops, pesticides and food safety standards), processes of commoditisation and rights, land redistribution, standards expressing corporate social responsibility, and payments for environmental services.

These different dimensions of analysis draw from two broad disciplinary perspectives: i) sociology of development which shares a recognition of human agents' capacity and ability to organise their everyday lives 'critically', encompassing notions of modernity, practices, politics, policies and intervention and ii) the notions of social justice which highlights issues of inequality, poverty, power in social transformation and representation of justice. The contents of the course (literature and resources) focus on application of sociological and social justice concepts and theories to explain social change processes in agricultural and rural communities.

The course uses a blended approach, meaning that students are required to participate online in a substantial proportion of the class. Therefore, it is necessary to have self-organized ability to perform a number of in-course activities such as, reading course materials, participating in online class-discussion, analysing cases, and critiquing contemporary development practices. Overall, the course uses collaborative and experiential teaching-learning strategies and techniques.
ASSESSMENT:
Coursework 100%

SEMESTER: 2 ***(CHECK DEPT FOR AVAILABILITY)***
COURSE CODE: AGEX 6005
COURSE TITLE: PLANNING & EVALUATION OF AGRICULTURAL AND RURAL DEVELOPMENT PROGRAM
NUMBER OF CREDITS: 4
PREREQUISITE: NONE
COURSE DESCRIPTION: The course introduces students to theories, approaches and methods used in planning, monitoring and evaluation of agricultural and rural development projects and programs. The course focuses on global perspectives in managing development results (e.g., UNDP, World Bank, CGIAR, GFAR, GRAS, IFAD, FAO) which students can apply in the Caribbean context of interest. The course will provide critical insights into managing development projects in agriculture and other cognate rural development sectors. In this course, planning, monitoring and evaluation are addressed as interrelated and cyclical activities required for managing development results.

Students will be able to critically examine logic-based planning, theory of change, learning-based approaches as well as related methods and techniques. The course uses a blended approach, meaning that students are required to participate online for a substantial proportion of the class. Therefore, it is necessary to have self-organized ability to perform a number of in-course activities such as, reading course materials, participating in online class-discussion, analysing cases, developing proposals, critiquing articles. Overall, the course uses collaborative and experiential teaching-learning strategies and techniques.
ASSESSMENT:
Coursework 70%
Final examination 30%

AGEC 7000 MPhil THESIS AGRICULTURAL ECONOMICS

AGEC 8000 PhD THESIS AGRICULTURAL ECONOMICS

AGEX 7000 MPhil THESIS AGRICULTURAL EXTENSION

AGEX 8000 PhD THESIS AGRICULTURAL EXTENSION

HUEC

SEMESTER: 1
COURSE CODE: HUEC 5000
COURSE TITLE: ADVANCED FOODSERVICE SYSTEMS MANAGEMENT
NUMBER OF CREDITS: 4
PREREQUISITES: RESTRICTED TO STUDENTS REGISTERED FOR THE DIPLOMA IN INSTITUTIONAL AND COMMUNITY DIETETICS AND NUTRITION AND THE MPHIL/PHD IN HUMAN ECOLOGY.
COURSE DESCRIPTION: A comprehensive review of the organisational management and operational aspects of food service including menu-planning and evaluation; procurement, receiving, storage of food and supplies; human resource needs, quantity food production with regard to recipe standardisation, nutrient and quality preservation, portion and quality control, costs, sanitation and safety; equipment requirements and specifications, layout and design; quality assurance and continuous improvement in Foodservice.
ASSESSMENT:
Final Examination 100%

SEMESTER: 1
COURSE CODE: HUEC 5020
COURSE TITLE: ADVANCED CLINICAL NUTRITION
NUMBER OF CREDITS: 4
PREREQUISITES: RESTRICTED TO STUDENTS REGISTERED FOR THE DIPLOMA IN INSTITUTIONAL AND COMMUNITY DIETETICS AND NUTRITION AND THE MPHIL/PHD IN HUMAN ECOLOGY.
COURSE DESCRIPTION: A comprehensive review of the principles of nutritional care process as it relates to specified diseases and needs; the role of drugs in nutritional care, disease of the upper and lower gastrointestinal tract, endocrine and metabolic disorders, energy balance, hepatic and biliary system, disorders of the skin and skeletal system; physiological stress and hyper metabolic conditions; neoplastic diseases, AIDS; cardiovascular, nervous and respiratory systems; nutritional support and counselling techniques.
ASSESSMENT:
Final Examination 100%

SEMESTER: 1
COURSE CODE: HUEC 5040
COURSE TITLE: ADVANCED COMMUNITY NUTRITION
NUMBER OF CREDITS: 4
PREREQUISITES: RESTRICTED TO STUDENTS REGISTERED FOR THE DIPLOMA IN INSTITUTIONAL AND COMMUNITY DIETETICS AND NUTRITION AND THE MPHIL/PHD IN HUMAN ECOLOGY.
COURSE DESCRIPTION: Providing nutrition services in primary care; promoting and protecting the health of women, infants and children; promoting the health of adults, older adults; safeguarding the food supply; maintaining nutrition and food service standards in group care; planning and evaluating community nutrition services.
Computer-aided Food and Nutrition applications; hands-on learning experience with computer software in food and nutrition surveillance, health analysis, diet/exercise analysis, growth and development in childhood and pregnancy, menu-planning, and food and nutrition planning. Practical experience in preparing nutrition information for delivery through the various media (radio, print, graphics). Project development: the process of developing a project (proposal) is outlined with clearly defined objectives, implementation strategy, costing, time analysis, and evaluation. Individual practice is gained in developing a nutrition-related project, using one of the models presented, for a seminar presentation at the end of the programme.
ASSESSMENT:
Final Examination 100%

SEMESTER: ***(CHECK DEPT FOR AVAILABILITY)***
COURSE CODE: HUEC 7001
COURSE TITLE: EPIDEMIOLOGY FOR HUMAN ECOLOGY
NUMBER OF CREDITS: 4
PREREQUISITES: UNDERGRADUATE COURSE IN STATISTICS. PROGRAMME RESTRICTED TO GRADUATE STUDENTS.
COURSE DESCRIPTION: Epidemiology for Human Ecology introduces the basic concepts of epidemiology and biostatistics as applied to problems in human ecology. Emphasis is placed on the principles and methods of epidemiologic investigation, appropriate summaries and displays of data, and the use of classical statistical approaches to describe the issues of interest among populations. Topics include the; usage of rates, ratios and proportions; methods of direct and indirect adjustment. Various epidemiologic study designs for investigating associations between risk factors and disease outcomes are also introduced, culminating with criteria for causal inferences. Students would be trained to do simple analyses on data sets using STATA 12.0 or other appropriate statistical packages
ASSESSMENT:

Coursework	50%
Final Examination	50%

SEMESTER: ***(CHECK DEPT FOR AVAILABILITY)***
COURSE CODE: HUEC 7002
COURSE TITLE: NUTRITIONAL EPIDEMIOLOGY
NUMBER OF CREDITS: 4
PREREQUISITES: COURSE RESTRICTED TO GRADUATE STUDENTS.
COURSE DESCRIPTION: Deciphering the links between nutrition, physical activity and disease requires an evidence-based approach to the acquisition of new information. This course in nutritional epidemiology provides the methodological framework for the collection analyses and interpretation of the requisite data. It builds on the materials taught in EPIDEMIOLOGY FOR HUMAN ECOLOGY and is geared towards providing a hands-on approach to the acquisition of fundamentals skills. The characterization of various exposures to food/nutrient intakes and their relationship to disease shall be the major thrust of the course.
ASSESSMENT:

Coursework	50%
Final Examination	50%

SEMESTER: ***(CHECK DEPT FOR AVAILABILITY)***
COURSE CODE: HUEC 7003
COURSE TITLE: ADVANCED NUTRITION IN HEALTH AND DISEASE 1
NUMBER OF CREDITS: 4
PREREQUISITES: ANY ADVANCED UNDERGRADUATE COURSE IN BIOCHEMISTRY OR PHYSIOLOGY. COURSE RESTRICTED TO GRADUATE STUDENTS.
COURSE DESCRIPTION: There are close to two hundred peer review journals devoted to food and nutrition and a further 100 (e.g., JAMA, BMI, Lancet etc.) which carry a substantial number of articles on food and nutrition. This demonstrates the large body of evidence linking diet to health and wellbeing. An understanding of these links requires in-depth analyses of how nutrition advances are made and the physiological and biochemical basis of their effects on human health and wellbeing. This course provides a thorough grounding in the issues and evidence linking diet to health and disease conditions such as hypertension, coronary heart disease, diabetes, obesity, and cancer.
ASSESSMENT:

Coursework	50%
Final Examination	50%

SEMESTER: ***(CHECK DEPT FOR AVAILABILITY)***
COURSE CODE: HUEC 7004
COURSE TITLE: PUBLIC HEALTH NUTRITION
NUMBER OF CREDITS: 4
PREREQUISITES: COURSE RESTRICTED TO GRADUATE STUDENTS.
COURSE DESCRIPTION: Public Health Nutrition is an area of concentration emphasizing the application of food and nutrition knowledge, policy, and research to the improvement of the health of populations. It therefore focuses on the promotion of good health through nutrition and the primary prevention of nutrition related illness in the population. In this course, students shall focus on the critical social, behavioural, and food and nutrition-related factors that affect health. Students would be given the opportunity to design, implement programmes aimed at improving the nutritional status of selected populations. They will also learn to formulate and analyse global, local and regional analyse food and nutrition-related that affect the health of populations.
ASSESSMENT:

Coursework	40%
Final Examination	60%

SEMESTER: ***(CHECK DEPT FOR AVAILABILITY)***
COURSE CODE: HUEC 7005
COURSE TITLE: SELECTED TOPICS IN HUMAN ECOLOGY 1
NUMBER OF CREDITS: 2
PREREQUISITES: COURSE RESTRICTED TO GRADUATE STUDENTS.
COURSE DESCRIPTION: This student-run class seeks to enhance graduate students' understanding of the current state of affairs in the subjects critical to Human Ecology by provide experience in reviewing and critiquing research articles. Students will critically evaluate peer-reviewed articles for class discussion that reinforce the principles of various research approaches and analytical methods. Students will be graded on their presentation, contribution to the discussion and reports by a panel of experts in the discipline. The primary format of this course will be student-selected presentations of recent publications. These publications will be preselected and randomly assigned to the student. Students will be required to give two PowerPoint presentations, and submit to the class a one-page summary that addresses the study aims, methods and results, and provides a critical assessment of the article. Presentation dates will be selected at the beginning of the semester. This course will also include two introductory faculty-led lectures on: (a) developing the skills and knowledge essential to understanding and critiquing research reports and (b) effectively communicating the relevant supporting material, results, and conclusions of primary research reports.
ASSESSMENT:

Coursework	100%

DEPARTMENT OF FOOD PRODUCTION

AGCP

SEMESTER 1 OR 2 *(BASED ON REGISTRATION NUMBERS)*
COURSE CODE: AGCP 6101
COURSE TITLE: POST-HARVEST PHYSIOLOGY AND BIOCHEMISTRY
NUMBER OF CREDITS: 5
PREREQUISITE: NONE
COURSE DESCRIPTION: The physiology and biochemical processes in fresh tropical crop produce which influence postharvest behaviour and storage potential are emphasised. Topics covered include: maturation and maturity indices, ripening and senescence, stress metabolism, dormancy and growth regulation. The physiology, including membrane function, and biochemistry of stored crop produce, including effects of environmental modifications, are studied.
ASSESSMENT:

Coursework	100%

SEMESTER: 2
COURSE CODE: AGCP 6250
COURSE TITLE: WEED SCIENCE
NUMBER OF CREDITS: 6
PREREQUISITE: NONE
COURSE DESCRIPTION: This course introduces students to: the role of weeds in crop ecosystems; weed biology; dissemination; cultural, chemical and biological control of important weed species of tropical crops. All topics have particular reference to Caribbean agriculture. Practicals and field trips are included.
ASSESSMENT:

Coursework	100%

SEMESTER: I OR 2 *(BASED ON REGISTRATION NUMBERS)*
COURSE CODE: AGCP 6251
COURSE TITLE: CROP PRODUCTION I
NUMBER OF CREDITS: 5
PREREQUISITE: NONE
COURSE DESCRIPTION: This course provides a broad scope of physiology of vegetative and reproductive growth, and production technology of some of the most important perennial crops of economic importance in the tropics including: coffee, citrus, cocoa, banana, palms, pineapple and a number of popular tree fruits (e.g., guava, mango and cashew). Current tree crop management research and research needs for tropical species are emphasised.
ASSESSMENT:

Coursework	40%
Final examination	60%

SEMESTER: I OR 2 *(BASED ON REGISTRATION NUMBERS)*
COURSE CODE: AGCP 6252
COURSE TITLE: CROP PRODUCTION 2
NUMBER OF CREDITS: 5
PREREQUISITE: NONE
COURSE DESCRIPTION: The crops dealt with in this course include the cereals, root crops, sugarcane, oil seeds and pulses, tobacco, fibre and vegetable crops. A description of the technology of production of the most important short-term crops cultivated in the tropics is provided.
ASSESSMENT:

Coursework	40%
Final examination	60%

SEMESTER: I OR 2 *(BASED ON REGISTRATION NUMBERS)*
COURSE CODE: AGCP 6252
COURSE TITLE: RESEARCH PROJECT
NUMBER OF CREDITS: 10
PREREQUISITE: NONE
COURSE DESCRIPTION: This course is the research project of the MSc in Value Addition for Food and Nutrition Security. The course facilitates students' use of product development principles to add value to a selected commodity by developing a food product starting from fresh, locally available, raw materials. It allows the application of all food production, storage, quality and safety principles addressed in other courses in the programme to the execution of the research project. The final outcome of the course is a product that is market-ready with an accompanying business plan so that graduates have the potential to become entrepreneurs and employers contributing to the national and regional food and agriculture sector.
ASSESSMENT:

Coursework	100%

AGLS

SEMESTER: 1
COURE CODE: AGLS 6001
COURSE TITLE: TROPICAL ANIMAL SCIENCE
NUMBER OF CREDITS: 4
PREREQUISITE: NONE
COURSE DESCRIPTION: This course explores key aspects of enhancing productivity to develop sustainable and resilient animal production systems in tropical ecosystems. It delves into important factors of animal production namely reproduction, health, nutrition, behaviour, housing, economics, and socioeconomics. The course further exposes students to the concept of matching the animal to the available resources, introduces species production modelling for neo-tropical non-domesticated species, and the innovative concept of Conservation, Production and Utilization of the regions animal resources This course will be taught via online lectures and evaluated with coursework (in the form of two written reports and two presentations) and a final written examination.
ASSESSMENT:

Coursework	70%
Final examination	30%

SEMESTER: 1
COURE CODE: AGLS 6002
COURSE TITLE: ADVANCED TROPICAL FORAGE UTILISATION
NUMBER OF CREDITS: 4
PREREQUISITE: NONE
COURSE DESCRIPTION: This is a course that seeks to address the nutrition of ruminants with particular reference to forage utilization. Factors affecting forage utilization and methods of forage utilization, including hay and silage production and feeding will be highlighted. Pasture management including grazing, other methods of utilization, use of new technology such as electric and virtual fencing as tools to improve nutrition and management. The role of forage and multipurpose tree crops in ruminant production systems and socio-environmental issues relating to livestock production will also be addressed. Finally, the course will also include production and utilization schedule of selected forages, fodder budgeting and utilization of forages by non-ruminants. This course will be taught via online lectures and evaluated by coursework.
ASSESSMENT:

Coursework	100%

SEMESTER: 1
COURE CODE: AGLS 6005
COURSE TITLE: ADVANCED NON-RUMINANT PRODUCTION
NUMBER OF CREDITS: 4
PREREQUISITE: NONE
COURSE DESCRIPTION: The course will cover the structure of the Non-Ruminant industry in CARICOM countries, with emphasis on production. Species of commercial importance will be reviewed and management practices including: Physiology; breeds and breeding; health maintenance; nutrition and feeding; housing and waste management will also be examined. Additionally, the topics, record maintenance, handling, processing and marketing of non-ruminant products will also be covered. This course will be taught via online lectures and evaluated with coursework using a combination of problem-based assignments, literature reviews and individual presentations and a final examination.
ASSESSMENT:

Coursework	100%

SEMESTER: 2
COURE CODE: AGLS 6003
COURSE TITLE: TROPICAL LIVESTOCK DEVELOPMENT
NUMBER OF CREDITS: 4
PREREQUISITE: NONE
COURSE DESCRIPTION: This course aims to explore various aspects of tropical livestock development, encompassing topics such as the essence of Livestock Development, Sustainable Livestock Development, Agricultural Diversification, and the factors influencing Livestock Development globally, particularly in the tropics and the wider Caribbean region. Additionally, it will delve into technical essentials including the demand for livestock products, efficiency criteria, and selection of production technology. Gender issues in Livestock Production Systems, encompassing pastoralism, ranching, intensive and extensive production systems, as well as landless and integrated systems, will be addressed. Moreover, the course will analyse the nature and market dynamics of Livestock products, the roles of Government, the State, and the Private Sector in Livestock Development, along with the impact of international trade agreements such as GATT and WTO on Livestock Development in the Developing Tropics and from the perspective of Small States. This course will be taught via online lectures and assessed with 100% coursework.
ASSESSMENT:

Coursework	100%

SEMSTER: 2
COURE CODE: AGLS 6004
COURSE TITLE: ADVANCED RUMINANT PRODUCTION
NUMBER OF CREDITS: 4
PREREQUISITE: NONE
COURSE DESCRIPTION: The course covers techniques for improving and increasing production of meat, milk and hides from sheep, goats, dairy and beef cattle, including water buffalo and neo-tropical deer. The course also exposes the students to the design of sustainable ruminant production systems for the tropics, from feeding to marketing. This course will be taught via online lectures and assessed with 100% coursework.
ASSESSMENT:

Coursework	100%

SEMESTER: 1 OR 2 ***(BASED ON REGISTRATION NUMBERS)***
COURSE CODE: AGLS 6006
COURSE TITLE: RESEARCH PROJECT - COMPULSORY
NUMBER OF CREDITS: 12
PREREQUISITE: NONE
COURSE DESCRIPTION: The topics chosen for this research project must cover one of the different factors of animal science and production involved in improving output from Tropical livestock. These include areas such as reproduction and breeding, health and disease, feeding and nutrition, animal behaviour and welfare, housing and economic and socioeconomic factors. This research project, builds upon the knowledge and skills acquired during the MSc degree programme. It necessitates independent research on a chosen topic, spanning from research design and data collection to analysis and final report writing. Evaluation comprises an oral presentation assessing the research proposal (15%) and submission of a comprehensive written report (85%) upon completion.
ASSESSMENT:

Seminar	15%
Project (Written) Report	85%

SEMESTER: 1 OR 2 *(BASED ON REGISTRATION NUMBERS)*
COURSE CODE: AGLS 6202
COURSE TITLE: ADVANCED ANIMAL NUTRITION II - ELECTIVE
NUMBER OF CREDITS: 5
PREREQUISITE: NONE
COURSE DESCRIPTION: This is an advanced level animal nutrition course that will be delivered in a blended mode. The primary focus will be on energy and protein metabolism in ruminant and non-ruminant farm animals. This will include a description of the nutritional biochemistry of different energy and protein type feedstuffs, a look at the digestive physiology of ruminants and non-ruminants and how this affects energy and protein metabolism in both classes of animals. This course will be taught via online lectures and assessed with 100% coursework.
ASSESSMENT:

Coursework	100%

SEMESTER: 1 OR 2 *(BASED ON REGISTRATION NUMBERS)*
COURSE CODE: AGLS 6401
COURSE TITLE: REPRODUCTIVE PHYSIOLOGY - ELECTIVE
NUMBER OF CREDITS: 5
PREREQUISITE: NONE
COURSE DESCRIPTION: This blended course will entail a discussion of the concepts underlying reproductive physiology in male and female farm animals. In particular, it explores the reproductive physiology of bovines, including water buffalo, sheep, goats, pigs, rabbits, dogs, poultry and equines. Semen collection and evaluation, artificial insemination techniques, induction and synchronisation of ovulation and embryo transfer in selected animal species. This course will be taught via online lectures and assessed with coursework and a final examination.
ASSESSMENT:

Coursework	70%
Final examination	30%

SEMESTER: 2
COURSE CODE: AGLS 6502
COURSE TITLE: TROPICAL ZOO AND WILDLIFE PRODUCTION AND MANAGEMENT- ELECTIVE
NUMBER OF CREDITS: 5
PREREQUISITE: NONE
COURSE DESCRIPTION: This blended course covers a number of topics that fall under Neo-tropical Zoo and Wildlife Conservation, Management, Production and Utilization, including the management of both domestic and non- domestic animals in captivity; approaches to the management of zoos and wildlife conservation and strategies and methods used in Wildlife Management, with special reference to the Caribbean and Latin America [Neo-tropical species]. This course will be taught via online lectures, and a virtual field trip and camp, with 100% coursework assessment.
ASSESSMENT:

Coursework	100%

SEMESTER: 1 OR 2 *(BASED ON REGISTRATION NUMBERS)*
COURSE CODE: AGLS 6804
COURSE TITLE: TROPICAL COMMODITY UTILIZATION (LIVESTOCK)- ELECTIVE
NUMBER OF CREDITS: 5
PREREQUISITE: NONE
COURSE DESCRIPTION: This blended course covers alternative methods of utilizing tropical animal products for food, utilization of culls and waste. Factors affecting availability, processing options and their effect on food quality and commodity utilization are covered along with relationships among technical and socio-economic factors of production, availability, processing, marketing and utilization are also given focus. A practical project is a significant part of this course which will be 100% Coursework comprising Research Papers, Presentations and Assignments.
ASSESSMENT:

Coursework	100%

AGRI

SEMESTER: 2
COURSE CODE: AGRI 6121
COURSE TITLE: GLOBAL PHYTOSANITARY ISSUES AND THEIR APPLICATION
NUMBER OF CREDITS: 4
PREREQUISITE: NONE
COURSE DESCRIPTION: This course covers some of the major current global issues in crop protection, particularly with regard to their impact on international trade in agricultural commodities. It aims to provide modern-day plant protection specialists with the information and tools to deal with some of the key issues which they will encounter in their day-to-day work situations, especially in the role of plant protection officer whether in the private or public sector. Also, and equally importantly, the course will provide an understanding of a country's Phytosanitary obligations under the major international agreements such as the International Plant Protection Convention and the WTO Agreement on the Application of Sanitary and Phytosanitary Measures, as well as provide some insight into other contemporary issues such as invasive alien species and the impact of climate change on agriculture and crop pests
ASSESSMENT
Coursework 100%

SEMESTER: YEAR LONG
COURSE CODE: AGRI 6200
COURSE TITLE: RESEARCH PROJECT
NUMBER OF CREDITS: 8
PREREQUISITE: SUCCESSFUL COMPLETION OF CORE COURSES AND ELECTIVE
COURSE DESCRIPTION: Candidates who successfully complete the core courses, the elective course and research papers in the MSc Tropical Crop Protection, will be allowed to undertake a 13-week independent research project. This project may involve field, greenhouse and/or laboratory investigations in some aspect of crop protection and may be conducted anywhere in the region providing suitable arrangements can be made. At the end of the project, students are required to do an oral examination.

SEMESTER: 1
COURSE CODE: AGRI 6201
COURSE TITLE: CHEMISTRY OF FOODS
NUMBER OF CREDITS: 5
PREREQUISITE: NONE
COURSE DESCRIPTION: The chemistry of crop and animal produce relating to their compositional and other characteristic, functional properties that are important in their manufacture into food products are studied, with emphasis on tropical commodities.
ASSESSMENT:
Coursework 100%

SEMESTER: 1
COURSE CODE: AGRI 6210
COURSE TITLE: BIOLOGY, ECOLOGY AND EPIDEMIOLOGY OF PESTS
NUMBER OF CREDITS: 4
PREREQUISITE: NONE
COURSE DESCRIPTION: An introduction to: ecological principles and the concept of the ecosystem; cropping systems and the pest concept; the ecological origins of pest status; crop yields and assessment methods in relation to an effective crop protection programme; biology, ecology and epidemiology of plant pathogens including the classification, symptomatology and pathogenesis; abiotic diseases; the biology, ecology and recognition of insects, mites, rodents, birds and other crop pests; biology, ecology and recognition of weeds, weed identification and weed surveys.
ASSESSMENT:
Coursework 100%

SEMESTER: 1
COURSE CODE: AGRI 6221
OURSE TITLE: PESTICIDE TECHNOLOGY
NUMBER OF CREDITS: 4
PREREQUISITE: NONE
COURSE DESCRIPTION: Practical and Chemical control, pesticide chemistry, bioassays, formulations and application equipment, pesticide selectivity, consequences of pesticide abuse, resistance and environmental impact and human health, legislative control, mechanisms of resistance to pest attack.
ASSESSMENT:
Coursework 100%

SEMESTER: 2
COURSE CODE: AGRI 6222
COURSE TITLE: MOLECULAR TECHNIQUES IN CROP PROTECTION
NUMBER OF CREDITS: 4
PREREQUISTS: NONE
COURSE DESCIPTION: Introduction to the molecular and immunological tools used in plant disease, pest and weed diagnosis and identification. This includes a brief introduction to nucleic acid and protein-based technologies, discussion of the relevance to population and diversity studies, sampling strategies and quarantine implications. The lab component will allow the development of skills in nucleic acid extraction, PCR and hybridisation techniques, sequencing and sequence analysis and the bases of serological techniques.
ASSESSMENT
Coursework 100%

SEMESTER: 1
COURSE CODE: AGRI 6230
COURSE TITLE: INTEGRATED PEST MANAGEMENT (IPM)
NUMBER OF CREDITS: 4
PREREQUISITE: NONE
COURSE DESCRIPTION: The principles of Integrated Pest Management (IPM) and the applications of these principles for pest management in crop production are presented. The essential building blocks for the creation of IPM programs are considered; these include surveys of pests, diseases and weeds, alternative practices and non-chemical means of control, monitoring and forecasting methods, and strategies for management and their implementation. The course concludes with some examples of existing IPM programs in practice. This course provides a holistic view of pest management, emphasizing the integration of different methods for maintaining pests, diseases and weeds below damaging levels, with the goal of minimizing the use of chemical pesticides that disrupt the environment.
ASSESSMENT:
Coursework 100%

SEMESTER: 2
COURSE CODE: AGRI 6241
COURSE TITLE: PLANT PATHOLOGY AND VIROLOGY
NUMBER OF CREDITS: 6
PREREQUISITE: NONE
COURSE DESCRIPTION: The importance, etiology, epidemiology and control of crop diseases under different farming systems in the Caribbean is studied here, including those caused by fungi, bacteria, viruses, nematodes, mycoplasma and abiotic agents. Strategies for disease control examine the merits and demerits of chemical, cultural, integrated and other cheap and practical measures. Practicals include field trips to farmers' fields and a plant disease clinic where students learn to recognise, diagnose and control disease.
ASSESSMENT:
Coursework 100%

SEMESTER: 2
COURSE CODE: AGRI 6250
COURSE TITLE: APPLIED ENTOMOLOGY
NUMBER OF CREDITS: 6
PREREQUISITE: NONE
COURSE DESCRIPTION: The major topics covered in this course are: population dynamics and the regulation of insect populations; introduction to insect toxicology; profit analysis and LD50 measurements; description and identification of major pest groups including mites; biology and control of pests of important crop groups in the tropics with special reference to the Caribbean. Practical classes and field trips are included.
ASSESSMENT:

Coursework	100%

SEMESTER: 2
COURSE CODE: AGRI 6300
COURSE TITLE: INTERNSHIP
NUMBER OF CREDITS: 4
PREREQUISITE: NONE
COURSE DESCRIPTION: Students can gain experience in crop protection through different responsibilities in the world of work in the crop protection field. Gives students the opportunity to apply and visualise the link between their theoretical knowledge and the world of work.
ASSESSMENT:

Coursework	100%

SEMESTER: 2
COURSE CODE: AGRI 6400
COURSE TITLE: INTERNSHIP
NUMBER OF CREDITS: 2
COURSE DESCRIPTION: This internship is recommended for MPhil. and PhD. students and can be conducted in different areas of crop protection, industry, departmental research, consulting. It is recommended that it include the Distance Education in Plant Diagnostic Certificate in Plant Diagnostic Technology with the University of Florida for MPhil students (duration 3-months) and 3-6 months training in a laboratory facility in relation to the students' disciplinary choice (plant pathology, virology, nematology or entomology only). The aim of the internship is to give students insight into the working life and help them acquire further practical and application-orientated knowledge at the international level. Students must write an internship report and conduct a seminar.
ASSESSMENT:

Written report	80%
Seminar	20%

SEMESTER: 1
COURSE CODE: AGRI 6401
COURSE TITLE: AGRICULTURAL VALUE ADDITION
NUMBER OF CREDITS: 5
PREREQUISITE: NONE
COURSE DESCRIPTION: This course covers the principles and practices of value addition in the context of their relevance to food and nutrition security. Its focus is increased utilization of domestically produced food through production of value-added products that result in increased availability, reduced postharvest losses, imported product substitution and expanded avenues for utilization.
ASSESSMENT:

Coursework	100%

SEMESTER: 1
COURSE CODE: AGRI 6301
COURSE TITLE: FOOD MICROBIOLOGY I
NUMBER OF CREDITS: 5
PREREQUISITE: NONE
COURSE DESCRIPTION: This course explores the nature and function of micro-organisms in tropical foods. This includes post-harvest pathology; food borne illness; effects of food processing, storage and distribution on food microorganisms; techniques for isolation and identification of microorganisms from foods; factors governing microbial changes in tropical foods; bacterial fermentations; modern concepts in quality assurance programmes; problem-solving in the food industry. A practical project is included.
ASSESSMENT:
Coursework 100%

SEMESTER: 1
COURSE CODE: AGRI 6500
COURSE TITLE: CURRENT ISSUES IN FOOD SECURITY
NUMBER OF CREDITS: 4
PREREQUISITE: NONE
COURSE DESCRIPTION: This course aims to provide students with an understanding of a number of current issues in food security. It will introduce students to topics such as food and nutrition from the multidimensional perspective of sustainable development and social stability, taking into account the instrumental role of financial markets, industrial production, resource supply, technological changes, and commodity trading. The course will also illustrate the connection between these issues and broader global challenges such as food sovereignty, public health, biosecurity and biosafety, climate change, the impact of pandemics on food security and complex emergencies, migration and gender issues. Students are encouraged to actively participate in and contribute towards class discussions. Assessments for this course include a discussion paper on given topics, a video presentation based on the paper, and a group assignment comprising a research paper and in-class presentation on the paper.
ASSESSMENT:
Coursework 100%

SEMESTER: 1
COURSE CODE: AGRI 6502
COURSE TITLE: SUSTAINABLE FOOD PRODUCTION SYSTEMS
NUMBER OF CREDITS: 4
PREREQUISITE: NONE
COURSE DESCRIPTION: This course focuses on the impacts of conventional agricultural systems and the ecological and social problems it has created, as well as on some possible responses to make agriculture sustainable such as the organic movement. Any strategies developed for sustainable agriculture and rural development are required to demonstrate how they can: (i) meet the challenge of food security without encroaching on marginal lands and fragile ecosystems; (ii) result in the creation of more employment and better incomes and contribute to the eradication of poverty; while at the same time (iii) conserving natural resources and protecting the environment. The course, in addition to addressing these issues, is also designed to cover topics in the nexus of production, resource and agro-environmental management, consumption and health. In addition to classroom lectures and discussions, this course will include virtual field trips to explore sustainability in the students' home country. These direct experiences will reinforce classroom assignments and provide valuable data for student presentations. Course assessments include individual assignments in the form of two written papers and a group assignment consisting of a research paper and in-class presentation.
ASSESSMENT:
Coursework 100%

SEMESTER: 1
COURSE CODE: AGRI 6503
COURSE TITLE: RESILIENCE AND FOOD SECURITY RISK MANAGEMENT
NUMBER OF CREDITS: 4
PREREQUISITE: NONE
COURSE DESCRIPTION: For this course, a framework is to be developed in order to ensure that graduates can effectively address institutional, structural, socio-economic and environmental gaps that exist. It will highlight the key factors that must be considered in order for this to be done. These include an analysis of the characteristics and location of vulnerable households, the differences in and efficacy of the risk management strategies adopted by households in response to shocks (i.e. dangerous natural phenomena, human activities or conditions that may cause loss of life, injury or other health impacts, property damage, loss of livelihoods and services, social and economic disruption or environmental damage), and the implementation strategies that can be employed to enhance resilience and reduce vulnerability. The course adopts a risk-based approach to enhancing resilience and food security. It exposes students to the plausibility and responses to systemic and exogenous risks to food systems, including disasters, climate change, epidemics and pandemics, terrorism, trade wars, global governance, food fraud, and conflict, among others. Students will gain insight into risk analysis, mitigation and responses. The course also approaches these issues from household level to global level. Active participation in the class discussions is encouraged. For the course, assessments include two written papers on resilience and food security management respectively, plus a group assignment comprising a research paper and in-class presentation.
ASSESSMENT:
Coursework 100%

SEMESTER: 1
COURSE CODE: AGRI 6504
COURSE TITLE: CLIMATE SMART TECHNOLOGIES FOR FOOD SECURITY
NUMBER OF CREDITS: 4
PREREQUISITE: NONE
COURSE DESCRIPTION: According to the FAO, climate smart agriculture (CSA) aims to "enhance the capacity of agricultural systems to support food security, incorporating the need for adaptation and the potential for mitigation into sustainable agriculture development strategies". This course will focus on aspects related to: (i) production technologies (water/energy/nutrient/pesticide-saving technologies, carbon sequestration in soils, yield boosting and estimation, sustainable intensification, smart harvesting, etc.); (ii) postharvest technologies (cooling, ripening management, quality detection, etc.); (iii) processing/distribution: (level 1 processing at farm- gate, waste reduction and reuse, industrial smart production/processing systems, (super)market designs/technologies). The course will also examine the importance of having consistent policies relating to agriculture, food security and climate change, and explore those effective climate-smart practices that already exist. Students are encouraged to actively participate in the class discussions. Coursework assessment for this course will be based on two country-specific papers examining the impact of climate change on agriculture in the student's country of origin, and how climate smart agriculture can be applied to a specific area of agricultural production in the country. There will also be a group assignment involving the development of a climate smart plan, and a presentation on same.
ASSESSMENT:
Coursework 100%

SEMESTER: 3
COURSE CODE: AGRI 6505
COURSE TITLE: FOOD SECURITY STUDY EXPERIENCE
NUMBER OF CREDITS: 9
PREREQUISITE:
COURSE DESCRIPTION: The intent of this course, which will be undertaken after the taught courses have been completed, is to provide students with an opportunity to gain practical experience in those activities embodying the food sector in a Caribbean territory. The experiential learning will be supplemented with webinars conducted by leading food security experts from organisations such as the Food and Agriculture Organisation of the United Nations (FAO), World Food Programme (WFP) and Technical Centre for Agricultural and Rural Cooperation ACP-EU (CTA). Students will be required to do some guided reading and complete a portfolio. Where travel may not be possible, students will be required to undertake desk research until this can be enabled. Students are expected to actively participate in the webinars and engage in a professional manner with the host organisation. Students participating in the food study experience will be assessed on their portfolio (student report), oral presentation and host evaluation.
ASSESSMENT:
Coursework 100%

SEMESTER: 1
COURSE CODE: AGRI 6620
COURSE TITLE: STATISTICS
NUMBER OF CREDITS: 4
PREREQUISITE: NONE
COURSE DESCRIPTION: Overview of statistics, analysing continuous data-one and two sample problems, analysing attribute data; experiment design and analysis of variance with applications to the agricultural and medical sciences; regression and correlation analyses with agriculture, medical and related applications.
ASSESSMENT:

Coursework	40%
Final examination	60%

SEMESTER: 2
COURSE CODE: AGRI 6702
COURSE TITLE: FOOD QUALITY AND FOOD ANALYSIS
NUMBER OF CREDITS: 5
PREREQUISITE: NONE
COURSE DESCRIPTION: This course examines the physiological and biochemical basis of quality in fresh tropical produce. Topics covered include the physical, chemical and biochemical properties of foods; effects of storage and processing on the fundamental attributes of flavour, odour, colour, texture and nutrition; pathological effects; Assessment of analytical methods and instruments in order to understand their principles, application and limitations in the analysis of food and food products with particular reference to the chemical, physical, nutritional and organoleptic qualities of food is included.
ASSESSMENT:

Coursework	100%

SEMESTER: 1 OR 2 ***(BASED ON REGISTRATION NUMBERS)***
COURSE CODE: AGRI 6720
COURSE TITLE: AGRICULTURAL ENGINEERING
NUMBER OF CREDITS: 5
PREREQUISITE: NONE
COURSE DESCRIPTION: Inferential tools for simple sample and two sample problems are introduced. Students are grounded in farm power, tractor and implement mechanics are the major topics covered here. Important control systems, internal and external hydraulics, and traction and traction aids. The theory of cultivations, including design of soil engaging implements, selection of implements for tillage and cultivation operations under different soil physical conditions are areas also focused on in this course.
ASSESSMENT:

Coursework	40%
Final examination	60%

SEMESTER: 2
COURSE CODE: AGRI 6802
COURSE TITLE: TROPICAL COMMODITY UTILISATION
NUMBER OF CREDITS: 5
PREREQUISITE: NONE
COURSE DESCRIPTION: This course is a study of alternative methods of utilization of tropical crop and animal products for food. Topics covered include utilization of culls; factors affecting raw material availability; processing options and their effect on food quality and commodity utilization. Relationships among technical and socio-economic factors of production, availability, processing, marketing and utilization are explored.
ASSESSMENT:

Coursework	100%

SEMESTER: 2
COURSE CODE: AGRI 6902
COURSE TITLE: FOOD PRODUCT DEVELOPMENT
NUMBER OF CREDITS: 5
PREREQUISITE: NONE
COURSE DESCRIPTION: A study of the elements that are important in the development of tropical food products for local and international markets. Topics covered include strategies, processes and methods needed to accelerate and optimize new product development; generation and management of new ideas and quality traits that drive successful research for innovative products; sensory and consumer research in food product development; container development; labelling. Research project.
ASSESSMENT:
Coursework 100%

CAMPUS: CAVE HILL
SEMESTER: 3
COURSE CODE: ENVT 6250
COURSE TITLE: TOOLS FOR ENVIRONMENTAL AND FOOD SYSTEMS ANALYSIS
NUMBER OF CREDITS: 4
PREREQUISITE: NONE
COURSE DESCRIPTION: The course exposes students to the complex interactions between environment and food system that impact food security and human health, and the tools for analysing these interactions. The course covers topics in food systems and food security analysis, agro-environmental management, resource use and flows in food systems, systems thinking and resilience thinking, and advanced topics in GIS and remote sensing for environmental and food systems management. The course will be delivered via lectures, computer-based analysis, workshops, and discussions. Assessments include coursework encompassing student presentations and a project, as well as a final examination. The course is targeted, primarily, at the MSc NAREM students in this specialization but also other professionals and students interested in understanding or analysing the relationships between food systems and environmental sustainability.
ASSESSMENT:
Coursework 50%
Final examination 50%

BIOL

COURSE DESCRIPTION
SEMESTER: 1
COURSE CODE: BIOL 5200
COURSE TITLE: CHARACTERISTICS OF BIODIVERSITY
NUMBER OF CREDITS: 3
PREREQUISITE: NONE
COURSE DESCRIPTION: This course will form part of the background information to the programme. It will include basic concepts of biodiversity from the molecular- to the ecosystem scale. This will be placed in the context of the extinction crisis and international treaties such as the Convention on Biological Diversity that have been formulated to address this crisis. It will, in particular, highlight the importance of biodiversity in terms of ecosystem function, goods and services. The course will define biodiversity in terms of species richness and diversity indices and explore the cline in diversity across different latitudes. Within these concepts such as endemicity and keystone species will also be described. The molecular genetic component of the course will cover the concepts of molecular genetics, intraspecific variation, inter and intra-specific genetic diversity, processes of evolution and speciation. The course will then go on to describe the regional ecosystems including forest, savannah, riverine, wetland, mangrove and coastal-marine systems including coral reefs. Impacted ecosystems such as urban and agricultural landscapes will also be treated. In each case, these systems will be considered holistically in relation to their diversity, distribution, ecology and ecosystem function, including the goods and services they provide.
ASSESSMENT:
Coursework 100%

SEMESTER: 2
COURSE CODE: BIOL 5208
COURSE TITLE: CONSERVATION & MANAGEMENT OF BIODIVERSITY
NUMBER OF CREDITS: 3
PREREQUISITE: NONE
COURSE DESCRIPTION: The course will include development of priorities for species conservation, conservation of genes and genetic diversity, selection and design of protected areas, the application of island biogeography theory and SLOSS, population dynamics and population viability analysis to protected area design. Students will gain an understanding of the principles of protected area selection site management. The use of zoning schemes, particularly in relation to coastal zone management schemes will also be covered. The use of management plans will be discussed together with the assessment of management effectiveness. The course will also examine ex-situ conservation programmes and re-introductions of species as well as aspects of habitat restoration. The important role and participation of the public will also be considered with regard to the selection, design and management of protected areas as well as through the potential benefits of tourism and ecotourism.
ASSESSMENT:
Coursework 100%

FOSQ

SEMESTER: 1
COURSE CODE: FOSQ 5001
COURSE TITLE: AGRI-FOOD SAFETY (DIPLOMA PROGRAMME)
NUMBER OF CREDITS: 4
DELIVERY MODE: ONLINE
PREREQUISITE: NONE
COURSE DESCRIPTION: This course focuses on the application of modern scientific principles for the inspection systems, based on good agricultural and manufacturing practices and the analysis of hazards and critical control points along the food chain. ISO 22000:2005 specifies requirements for a food and agriculture safety management system where an organization in the food chain needs to demonstrate its ability to control food safety hazards in order to ensure that food is safe at the time of human consumption. It is applicable to all organizations, regardless of size.
ASSESSMENT:
Coursework 100%

SEMESTER: 1
COURSE CODE: FOSQ 5003 (DIPLOMA PROGRAMME)
COURSE TITLE: FOOD QUALITY ASSURANCE AND EVALUATION OF AGRI-FOOD POLICIES
NUMBER OF CREDITS: 4
DELIVERY MODE: ONLINE
PREREQUISITE: NONE
COURSE DESCRIPTION: The course covers areas such as agricultural produce and food quality, food quality assurance, total quality management, agriculture and food quality management systems, fertilizer use and sustainable pesticide management, genetically modified biosafety and quality standard systems, formulation, implementation, evaluation of agricultural and food public policies from domestic and international trade perspectives. The socio-economic and environmental change and its influence on public policies' viability are examined. The course also describes the process of food security public policy formulation, implementation, monitoring and evaluation. The role and functions of institutions and other stakeholders involved in the process of public policy formulation and implementation as it relates to food safety and quality. The role of international trade in agricultural and food safety, current debates about the effect of globalization on developing countries and evolution of trade policies.
ASSESSMENT:
Coursework 100%

SEMESTER 2
COURSE CODE: FOSQ 5002 (DIPLOMA PROGRAMME)
COURSE TITLE: PROJECT MANAGEMENT IN FOOD AND AGRICULTURE
NUMBER OF CREDITS: 4
DELIVERY MODE: ONLINE
PRE-REQUISITE: NONE
COURSE DESCRIPTION: The course Project Management in Food and Agriculture will introduce the students to the rationale, context and methods of planning and assessing food and agriculture management projects. Management issue will be the starting point to explore deeply into the necessary processes for the successful preparation and management of the projects. It will create a common basis from the project definitions and the project management and form the relation between this and other administrative disciplines, and with other related efforts. The understanding of the phases and the life cycle of a project, the identification of the "stakeholders" – those project-related individuals or institutions – and the organizational and socioeconomic influences to which the project is subject, will be achieved with the study of the project management context. It will make possible to establish the usefulness of the project management to among other things, satisfy the users' needs to ensure that the available resources are used in the most efficient possible way, and to plan, implement and control the management of company and government strategies. The financial and investment analysis as well as general processes for managing of food projects will be included. The course will provide supplementary reading material, case studies and the presentation of project management-related issues by students. The objective of the learning experiences is to promote the critical thinking with a view to solving the current problems in the project management field. The course is comprised of assignments and assessments.
ASSESSMENT:
Coursework 100%

SEMESTER 2
COURSE CODE: FOSQ 5004 (DIPLOMA PROGRAMMME)
COURSE TITLE: AGRI-FOOD SAFETY AND RISK ANALYSIS
NUMBER OF CREDITS: 4
DELIVERY MODE: ONLINE
PRE-REQUISITE: AGRI-FOOD SAFETY
COURSE DESCRIPTION: This course entails identification of the elements of food safety systems, some safety risk in agriculture, food production and processing optimizing systems, general risk analysis, management and communication in food systems, monitoring and review, microbiological and chemical risk assessments, water quality standards and food waste management, sustainable and fertilizer management and Hazard Analysis and Critical Control Points (HACCP). This course is comprised of assignments and assessments.
ASSESSMENT:
Coursework 100%

SEMESTER: 2
COURSE CODE: FOSQ 5005 (DIPLOMA PROGRAMME)
COURSE TITLE: EPIDEMIOLOGY AND FOOD-BORNE DISEASES
NUMBER OF CREDITS: 4
DELIVERY MODE: ONLINE
PRE-REQUISITE: NONE
COURSE DESCRIPTION: The course includes epidemiological methods and concepts of food borne diseases that are critical in the evaluation, analysis and interpretation of data related to public health. To get around the problems posed by such under-reporting and describe disease burden more adequately, a number of innovative and creative approaches have been used in recent years for some food-borne diseases from various causes. These include the use of active surveillance and field studies, risk assessment methods, and epidemiological disease modelling. Students have the opportunity to work on exercises and case studies as related to the topics. The topics include epidemiological surveys, investigating food-borne illness outbreaks, basic epidemiological methods and food borne diseases. The course would be examined by various assignments and assessments.
ASSESSMENT:
Coursework 100%

SEMESTER: 2
COURSE CODE: FOSQ 5006 (DIPLOMA PROGRAMME)
COURSE TITLE: INTERNATIONAL TRADE AND AGRI-FOOD LEGISLATION
NUMBER OF CREDITS: 4
DELIVERY MODE: ONLINE
PRE-REQUISITE: NONE
COURSE DESCRIPTION: The course covers International Trade and Food Legislation in food and agriculture produce safety and quality. Current debates about the effect of globalization on food and agriculture produce safety and quality on developing countries. The course examines some guidelines for strengthening the national food control systems, food bioterrorism, the new Food Safety Modernization Act 2011, trade theories and international trade agreements, International Food Safety Systems such as World Trade Organization, applications of Sanitary and Phytosanitary Measures, Technical Barriers to Trade, Codex Alimentarius, Agreement on Agriculture and the harmonization of food and agriculture legislation for world food trade, and the consequences of food safety in world food trade. The course would be examined by various assignments and assessments
ASSESSMENT:
Coursework 100%

SEMESTER: 1
COURSE CODE: FOSQ 6001 (MSC PROGRAMME)
COURSE TITLE: AGRI-FOOD SAFETY
NUMBER OF CREDITS: 4
DELIVERY MODE: ONLINE
PREREQUISITE: NONE
COURSE DESCRIPTION: This course focuses on the application of modern scientific principles for the inspection systems, based on good agricultural and manufacturing practices and the analysis of hazards and critical control points along the food chain. ISO 22000:2005 specifies requirements for a food and agriculture safety management system where an organization in the food chain needs to demonstrate its ability to control food safety hazards in order to ensure that food is safe at the time of human consumption. It is applicable to all organizations, regardless of size.
ASSESSMENT:
Coursework 100%

SEMESTER: 1
COURSE CODE: FOSQ 6003 (MSC PROGRAMME)
COURSE TITLE: FOOD QUALITY ASSURANCE AND EVALUATION OF AGRI-FOOD POLICIES
NUMBER OF CREDITS: 4
DELIVERY MODE: ONLINE
PREREQUISITE: NONE
COURSE DESCRIPTION: The course covers areas such as agricultural produce and food quality, food quality assurance, total quality management, agriculture and food quality management systems, fertilizer use and sustainable pesticide management, genetically modified biosafety and quality standard systems, formulation, implementation, evaluation of agricultural and food public policies from domestic and international trade perspectives. The socio-economic and environmental change and its influence on public policies' viability are examined. The course also describes the process of food security public policy formulation, implementation, monitoring and evaluation. The role and functions of institutions and other stakeholders involved in the process of public policy formulation and implementation as it relates to food safety and quality. The role of international trade in agricultural and food safety, current debates about the effect of globalization on developing countries and evolution of trade policies. The course comprises of two assignments, laboratory practical and a final exam.
ASSESSMENT:
Coursework 100%

SEMESTER: 1
COURSE CODE: FOSQ 6011 (MSC PROGRAMME)
COURSE TITLE: RESEARCH AND STATISTICAL SKILLS FOR FOOD AND AGRICULTURE
NUMBER OF CREDITS: 4
DELIVERY MODE: ONLINE
PREREQUISITE: NONE
This course involves the use of research tools and appropriate statistical packages for data processing and presentation. It is anticipated that those enrolled in the course would be able to read and critique research papers in published journals particularly for the living sciences, microbiology, food science, animal/livestock science, crop sciences, human and veterinary medicine. The topics covered are types of research methods, planning research projects, writing reports and research papers and statistical methods and applications by descriptive analysis, estimation techniques, correlation, multiple regression, analysis of variance, non-parametric statistics, multivariate analysis and principal component analysis. The course will be taught using a blended approach through computer packages, face to face lectures, myeLearning, Webinars and videos.
ASSESSMENT
Coursework 100%

SEMESTER 2
COURSE CODE: FOSQ 6002 (MSC PROGRAMME)
COURSE TITLE: PROJECT MANAGEMENT IN FOOD AND AGRICULTURE
NUMBER OF CREDITS: 4
DELIVERY MODE: ONLINE
PRE-REQUISITE: NONE
COURSE DESCRIPTION: The course Project Management in Food and Agriculture will introduce the students to the rationale, context and methods of planning and assessing food and agriculture management projects. Management issue will be the starting point to explore deeply into the necessary processes for the successful preparation and management of the projects. It will create a common basis from the project definitions and the project management and form the relation between this and other administrative disciplines, and with other related efforts. The understanding of the phases and the life cycle of a project, the identification of the "stakeholders" – those project-related individuals or institutions – and the organizational and socioeconomic influences to which the project is subject, will be achieved with the study of the project management context. It will make possible to establish the usefulness of the project management to among other things, satisfy the users' needs to ensure that the available resources are used in the most efficient possible way, and to plan, implement and control the management of company and government strategies. The financial and investment analysis as well as general processes for managing of food projects will be included. The course will provide supplementary reading material, case studies and the presentation of project management-related issues by students. The objective of the learning experiences is to promote the critical thinking with a view to solving the current problems in the project management field. The course is comprised of assignments and assessments.
ASSESSMENT:
Coursework: 100%

SEMESTER 2
COURSE CODE: FOSQ 6004 (MSC PROGRAMME)
COURSE TITLE: AGRI-FOOD SAFETY AND RISK ANALYSIS
NUMBER OF CREDITS: 4
DELIVERY MODE: ONLINE
PRE-REQUISITE: AGRI-FOOD SAFETY
COURSE DESCRIPTION: This course entails identification of the elements of food safety systems, some safety risk in agriculture, food production and processing optimizing systems, general risk analysis, management and communication in food systems, monitoring and review, microbiological and chemical risk assessments, water quality standards and food waste management, sustainable and fertilizer management and Hazard Analysis and Critical Control Points (HACCP). This course is comprised of assignments and assessments.
ASSESSMENT:
Coursework 100%

SEMESTER: 2
COURSE CODE: FOSQ 6005 (MSC PROGRAMME)
COURSE TITLE: EPIDEMIOLOGY AND FOOD-BORNE DISEASES
NUMBER OF CREDITS: 4
DELIVERY MODE: ONLINE
PRE-REQUISITE: NONE
COURSE DESCRIPTION: The course includes epidemiological methods and concepts of food borne diseases that are critical in the evaluation, analysis and interpretation of data related to public health. To get around the problems posed by such under-reporting and describe disease burden more adequately, a number of innovative and creative approaches have been used in recent years for some food-borne diseases from various causes. These include the use of active surveillance and field studies, risk assessment methods, and epidemiological disease modelling. Students have the opportunity to work on exercises and case studies as related to the topics. The topics include epidemiological surveys, investigating food-borne illness outbreaks, basic epidemiological methods and food borne diseases. The course would be examined by various assignments and assessments.
ASSESSMENT:

Coursework	100%

SEMESTER: 2
COURSE CODE: FOSQ 6006 (MSC PROGRAMME)
COURSE TITLE: INTERNATIONAL TRADE AND AGRI-FOOD LEGISLATION
NUMBER OF CREDITS: 4
DELIVERY MODE: ONLINE
PRE-REQUISITE: NONE
COURSE DESCRIPTION: The course covers International Trade and Food Legislation in food and agriculture produce safety and quality. Current debates about the effect of globalization on food and agriculture produce safety and quality on developing countries. The course examines some guidelines for strengthening the national food control systems, food bioterrorism, the new Food Safety Modernization Act 2011, trade theories and international trade agreements, International Food Safety Systems such as World Trade Organization, applications of Sanitary and Phytosanitary Measures, Technical Barriers to Trade, Codex Alimentarius, Agreement on Agriculture and the harmonization of food and agriculture legislation for world food trade, and the consequences of food safety in world food trade. The course would be examined by various assignments and assessments
ASSESSMENT:

Coursework	100%

SEMESTER: 1, 2 & SEMESTER 3
COURSE CODE: FOSQ 6010 (MSC PROGRAMME)
COURSE TITLE: RESEARCH PROJECT ON AGRI-FOOD SAFETY AND QUALITY ASSURANCE
NUMBER OF CREDITS: 8
PREREQUISITE: COMPLETION OF ALL WRITTEN COURSES
The chosen project could to link to job description and interest and should contribute to knowledge and application in managing safety and quality in food and agriculture. The project would draw upon previous knowledge and experience gained in the courses completed in the MSc degree programme. The project will be based on an oral presentation and an examination on submission of written project. Students must obtain at least 50% to pass the project component.
ASSESSMENT

Oral presentation	10%
Written project	90%

The project will be based on an oral presentation and an examination on submission of written project. The written project will be examined by internal and external examiners.

DEPARTMENT OF GEOGRAPHY

GEOG

SEMESTER: 1
COURSE CODE: GEOG 6000
COURSE TITLE: THE PHILOSPHY AND PRACTICE OF RESEARCH IN GEOGRAPHY
NUMBER OF CREDITS: 3
PREREQUISITES: RESTRICTED TO STUDENTS REGISTERED IN A POSTGRADUATE PROGRAMME IN GEOGRAPHY. OTHER STUDENTS UNDERTAKING RESEARCH DEGREES IN RELATED TOPICS MAY REGISTER WITH THE APPROVAL OF THE HEAD, DEPARTMENT OF GEOGRAPHY.
COURSE DESCRIPTION: This course aims to develop students as professional Geography scholars, equipped with the tools and techniques to undertake and publish geographic research in a range of sub-disciplines. The course covers a range of Geographical research disciplines, focusing on areas relevant for student research projects and areas of research expertise for Geography academic staff. As part of the course, with guidance from academic staff, students are expected develop and present detailed research proposals and reflect on the academic process which leads to the generation, conduct, presentation and publication of academic research, thus preparing the student for the successful completion of an MPhil or PhD thesis. Students benefit from the expertise of staff members in a range of sub-disciplines, whilst sharing group awareness of issues in geography. The course is designed to prepare incoming post-graduate students, in a range of Geography sub-disciplines, for the process of undertaking research and publishing/disseminating the results up to the thesis level. As an introductory course it is normally scheduled for semester 1 and is based on weekly lectures and discussion seminars with pre-reading and academic tasking, assessed by coursework, designed to prepare the student for the main aim of completing an MPhil/PhD thesis.
ASSESSMENT:
Coursework 100%

SEMESTER: I
COURSE CODE: GEOG 6010
COURSE TITLE: STAKEHOLDER ENGAGEMENT AND PARTICIPATORY FIELD METHODS FOR NATURAL RESOURCE MANAGEMENT
NUMBER OF CREDITS: 4
PREREQUISITES: NONE
COURSE CONTENT:
This course examines the theories, tools, and practical techniques used in stakeholder engagement and participatory field methods for natural resource management. It explores key theoretical frameworks for stakeholder analysis, including participatory governance, social network theory, and collaborative planning models. Students are introduced to methods for conducting stakeholder inventories, stakeholder mapping, and the development of engagement and communication plans. The course focuses on participatory tools such as group model building, participatory mapping, and other facilitation techniques for engaging communities in environmental decision-making. Emphasis is placed on applying these tools to real-world problems in small island developing states, with field-based activities and software applications such as social network analysis used to support assessment and planning.
ASSESSMENT:
Coursework: 100%

SEMESTER: I
COURSE CODE: GEOG 6011
COURSE TITLE: INTEGRATED WATER AND COASTAL MANAGEMENT
NUMBER OF CREDITS: 4
PREREQUISITES: NONE
COURSE CONTENT:
This course examines the integrated management of water and coastal resources with particular emphasis on tropical regions and small island developing states (SIDS). It introduces students to the ridge to reef approach, which explores the interconnectedness of terrestrial, freshwater, coastal, and marine ecosystems. The course covers the biophysical and socio-economic linkages between systems, highlights the impacts of land-based activities on coastal environments, and discusses key management frameworks and policies. Students will evaluate integrated watershed and coastal management strategies, assess challenges and propose nature-based solutions. Case studies and regional applications are used to explore the implementation of the R2R approach. The course incorporates practical components including journal entries, discussion forums, policy briefs, group projects and presentations.

ASSESSMENT:
Coursework: 100%
SEMESTER: II
COURSE CODE: GEOG 6012
COURSE TITLE: SUSTAINABLE AND RESILIENT PLANNING
NUMBER OF CREDITS: 4
PREREQUISITES: NONE
COURSE CONTENT:
This course provides an in-depth examination of urban and settlement geography with a focus on sustainability and resilience in small island developing states (SIDS). It explores demographic change, urbanization patterns, and environmental resilience, while introducing students to tools for planning and managing urban growth under the pressures of climate and environmental change. Topics include sustainable transportation planning, energy-efficient design, smart cities, green infrastructure, social equity, and inclusive planning. The course also considers policy and governance frameworks that support sustainable urban development and resilience strategies. Emphasis is placed on participatory and community-based approaches, and the integration of environmental, social, and economic dimensions into urban planning. Students will evaluate existing urban forms, propose resilience-building strategies, and examine new technologies for urban analysis.
ASSESSMENT:
Coursework: 100%

SEMESTER: II
COURSE CODE: GEOG 6013
COURSE TITLE: APPLIED GIS & REMOTE SENSING FOR ENVIRONMENTAL SCIENCE
NUMBER OF CREDITS: 4
PREREQUISITES: NONE
COURSE CONTENT:
This course provides an advanced, practice-oriented exploration of Geographic Information Systems (GIS) and Remote Sensing with a focus on environmental science applications. Building on introductory GIS knowledge, students will develop skills in spatial problem-solving, spatial modelling, geodatabase management, and geospatial programming. The course covers theoretical and practical aspects of remote sensing, including image acquisition, processing, enhancement techniques, and planetary-scale environmental monitoring. Emphasis is placed on the application of GIS and remote sensing methods for environmental data acquisition, manipulation, analysis, visualization, and presentation. Students will gain competency using ESRI and open-source GIS software to manage spatial and attribute data, conduct spatial analysis, and execute projects relevant to environmental decision support. The course is fully online and assessed entirely by coursework, including case study reviews, collaborative discussions, and individual GIS and remote sensing projects with reports and presentations.
ASSESSMENT:
Coursework: 100%

SEMESTER: II
COURSE CODE: GEOG 6014
COURSE TITLE: CLIMATE CHANGE: IMPACTS, ADAPTATION AND RESILIENCE
NUMBER OF CREDITS: 4
PREREQUISITES: NONE
COURSE CONTENT:
This course offers a comprehensive examination of contemporary climate change within the Anthropocene epoch, emphasizing the scientific foundations, observed impacts, and human responses. Students will explore climate system science, evidence of climate change, and the complex interactions driving environmental and societal vulnerability and resilience, with particular focus on Small Island Developing States (SIDS). The curriculum covers multi-sectoral climate change impacts, adaptation and mitigation methods, barriers to implementation, and international climate policy frameworks including the UNFCCC, Kyoto Protocol, and Paris Agreement. The course also addresses the role of gender in climate change responses and policy formulation for key Caribbean sectors such as food security, water resources, tourism, energy, health, finance, and disaster risk reduction. Delivered fully online, assessment is based entirely on coursework through debates, data interpretation, policy analysis, and project design.
ASSESSMENT:
Coursework: 100%

SEMESTER: III
COURSE CODE: GEOG 6015
COURSE TITLE: INTERNSHIP
NUMBER OF CREDITS: 6
PREREQUISITES: NONE
COURSE CONTENT:
This internship provides postgraduate students with practical, hands-on experience in the field of environmental resilience and sustainability. Students will be placed with organizations across academia, research projects, NGOs, regional/international agencies, and both public and private sectors, gaining insight into real-world applications of their academic knowledge. The course focuses on professional development, networking, and understanding institutional contexts influencing resilience and sustainability initiatives. Students are required to complete weekly journals, a final internship summary, and undergo performance evaluation by their host organization supervisor based on technical proficiency and professional conduct. The course emphasizes bridging academic learning with workplace demands, preparing students for successful professional careers.
ASSESSMENT:
Coursework: 100%

SEMESTER: II and III
COURSE CODE: GEOG 6016
COURSE TITLE: RESEARCH PAPER (ENVIRONMENTAL RESILIENCE AND SUSTAINABILITY)
NUMBER OF CREDITS: 6
PREREQUISITES: NONE
COURSE CONTENT:
This course is a key component of the MSc in Environmental Resilience and Sustainability, spanning semesters 2 and 3 to provide students with six months to complete an in-depth research paper. Students will identify and develop a research topic related to environmental management, resilience, and sustainability of tropical systems, under the guidance of a programme-approved supervisor. The research may involve desktop studies, secondary data analysis, case studies, or comparative analyses, incorporating multidisciplinary perspectives from natural and social sciences. The course emphasizes independent project management, critical evaluation of scientific data, research proposal development, data analysis, report writing, and oral and poster presentations. It prepares students to apply theoretical knowledge to practical research problems relevant to their future academic or professional careers.
ASSESSMENT:
Coursework: 100%

SEMESTER: I, II and III
COURSE CODE: GEOG 6017
COURSE TITLE: RESEARCH PROJECT (ENVIRONMENTAL RESILIENCE AND SUSTAINABILITY)
NUMBER OF CREDITS: 12
PREREQUISITES:
COURSE CONTENT:
This extensive research project is a core component of the MSc research project stream, spanning three semesters to provide students with ample time to develop and complete a substantial independent study. Students will select or be assigned research topics related to environmental resilience and sustainability, engaging with supervisors to refine objectives, methodologies, and ethics approval requirements. Students complete the CITI ethics certification essential for research approval. Semesters 2 and 3 focus on data collection, analysis, and preparation of a formal written report and presentation. The project allows for multidisciplinary research approaches, including field, laboratory, or desktop studies, and may be undertaken in the student's home country if outside Trinidad and Tobago. This course emphasizes project management, critical thinking, data analysis, and communication skills vital for academic or professional advancement.
ASSESSMENT:
Coursework: 100%

SEMESTER: I
COURSE CODE: PRMG 6003
COURSE TITLE: PROJECT & PROGRAMME MANAGEMENT
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
COURSE CONTENT:
This course explores the strategic and tactical dimensions of managing projects and programmes in dynamic and complex business environments. Students will engage with foundational and advanced principles of project and programme management, including tools and techniques aligned with international Project Management Bodies of Knowledge. Key topics include internal and external analyses, Turner's 7 Forces, project appraisal and selection models, project charter development, work breakdown structures, scheduling, risk management frameworks, and earned value management. The course also covers the roles of Project Management Offices, maturity models, and project management methodologies. Delivered through lectures, project- and problem-based learning, discussions, and group presentations, the course emphasizes practical application of concepts across industries such as construction, engineering, IT, finance, and education.
ASSESSMENT:
Coursework: 40%
Final Examination: 60%

SEMESTER: II
COURSE CODE: INRL 6102
COURSE TITLE: CLIMATE CHANGE: POLICY & ECONOMIC OPTIONS FOR SIDS
NO. OF CREDITS: 4
PREREQUISITES: NONE
COURSE CONTENT:
Within the contemporary period, the primary problems associated with climate change mitigation and adaptation strategies have not been scientific in nature. Rather, the obstacles that hinder the implementation of such programmes relate to differentiated political and economic challenges faced by diverse actors within the global arena. This course seeks to examine concepts and mechanisms geared toward advancing UN SDGs in Small Island Developing States (SIDS), as it relates to climate change adaptation and within the context of the international political economy. For SIDS, climate change is an existential threat. This course will provide students with the opportunity to critically assess existing and potential strategies and mechanisms utilised on local, regional and international levels, to enhance the resilience and adaptive capacity of nations to climate change. The policy and legal frameworks that are geared toward building or strengthening the ability of SIDS to adapt to climate change will therefore be examined. Cross cutting socio-economic implications of climate change, inclusive of Health and Gender will also be assessed. However, in light of the course's ultimate focus on the achievement of the UN Sustainable Development Goals (SDGs) within SIDS, the course will focus on concepts like the Circular Economy and on the Green and Blue Economy. The course therefore concludes with a focus on Climate and Resource Governance in order to focus students on issues and questions related to the achievement of the UN SDGs within SIDS, in the face of Climate Change and within the international political economy.
ASSESSMENT:
Coursework: 100%

SEMESTER: I
COURSE CODE: INRL 6012
COURSE TITLE: GLOBAL ENVIRONMENTAL GOVERNANCE
NO. OF CREDITS: 4
PREREQUISITES: NONE
COURSE CONTENT:
International environmental governance has rapidly widened and deepened since the Stockholm Declaration of 1972, and covers areas ranging from climate change, integrated maritime governance, and biodiversity, to security, poverty, development, and human rights as they relate to the environment. Environmental Governance is one area where successful outcomes depend on collaboration between states and non-state actors, where education, implementation, enforcement, and compliance are global and not merely international. This course introduces students of the MSc Global Studies Program of the Institute of International Relations to the rapidly changing and very engaging field of global environmental governance. The perspectives, challenges, and policies of the developing world, particularly of the Small Island Developing States are an integral part of the analyses on all issues.
ASSESSMENT:
Coursework: 100%

SEMESTER: II
COURSE CODE: SALI 6023
COURSE TITLE: MONITORING AND EVALUATION
NO. OF CREDITS: 3
PREREQUISITES: NONE
COURSE CONTENT:
This course exposes students to major issues that arise in the field of monitoring and evaluation with special reference to developing countries though some cases that emerge out of the experiences of developed countries are presented as alternative scenarios. Despite some initial focus on the philosophical, theoretical and methodological underpinnings of monitoring and evaluation, particular attention is placed upon different research designs that permit practical approaches based upon qualitative and quantitative insights. To this end, different technical inputs that permit monitoring and evaluation will be discussed from the standpoint of their respective theoretical, methodological, statistical and substantive dimensions, and as far as possible, their relevance in practical settings.
ASSESSMENT:
Coursework: 100%

BUSINESS DEVELOPMENT UNIT

AGPD

COURSE CODE: AGPD 6000
COURSE TITLE: RESEARCH METHODS AND DATA ANALYSIS
NUMBER OF CREDITS: 6
COURSE DESCRIPTION: This course covers two main areas of interest to students of developing countries, one focusing on research methods, the other concerned with statistical techniques relevant to social scientists. The first part introduces the student to the nature and role of research in developing countries, including how to identify and formulate research problems, as well as the use of secondary information. In addition, a variety of research and data collection methods are explored, emphasizing both qualitative and quantitative approaches. The second part of the course, which begins with an examination of formal sampling design and methods, focuses on techniques of data analysis, including hypothesis testing, measures of association and correlation, and an introduction to regression analysis.
ASSESSMENT:
Final examination 100%

COURSE CODE: AGPD 6001
COURSE TITLE: AGRICULTURAL ECONOMICS FOR DEVELOPMENT
NUMBER OF CREDITS: 6
COURSE DESCRIPTION: This course is one that students are strongly recommended to take in their first year. The first part of the course covers production economics, including production functions and technical change. The second part focuses on supply and demand, including the analysis of market structures. The third part deals with welfare economics, and introduces the analysis of international trade in agricultural commodities, and of food and agricultural policy.
ASSESSMENT:
Final examination 100%

COURSE CODE: AGPD 6002
COURSE TITLE: MANAGING AGRICULTURAL DEVELOPMENT
NUMBER OF CREDITS: 6
COURSE DESCRIPTION: This course examines the main theoretical approaches used to study organisations and management and demonstrates where and how these are relevant to agricultural development. It investigates management practices in different activities concerned with agricultural development and discusses how management may be improved or reformed. Part one examines the structure and behaviour of organisations and the main tasks of management, while Part two looks at these tasks in more detail and questions the applicability of management theory. Part three is concerned with the application of management theory and practice in relation to specific areas of activity, while Part four considers the current issues in reforming and improving the management of agricultural development.
ASSESSMENT:
Final examination 100%

COURSE CODE: AGPD 6003
COURSE TITLE: AGRICULTURAL POLICY ANALYSIS
NUMBER OF CREDITS: 6
COURSE DESCRIPTION: This course focuses is concerned with policy in the agriculture and food sectors of developing countries. The first part introduces agricultural policy analysis and incorporates a case study of a country undergoing economic reforms. The second part examines macroeconomic influences on the agricultural sector, with consideration of expenditure revenue, monetary, balance of payments and exchange rate issues. The third part is concerned with trade, agricultural and food sector policies. Part four deals with policy analysis techniques. Finally, Part five covers issues in policy reform in the agricultural and food sectors including adjustment programmes, theory and evidence on the economic and social effects of adjustment and problems in the transition of the formerly centrally planned economies.
ASSESSMENT:
Final examination 100%

COURSE CODE: AGDP 6004
COURSE TITLE: BUSINESS MANAGEMENT FOR AGRICULTURAL ENTERPRISES
NUMBER OF CREDITS: 6
COURSE DESCRIPTION: This course is concerned with the rationale and methods of business management as used in agricultural enterprises, with the main emphasis on the principles and practice of financial management and planning. Part one of the course focuses on the process of business organisation and management, and Part two is concerned with the various types of financial accounting. Part three demonstrates methods of budget construction and explains the role of budgetary control, while Part four is concerned with procedures for optimising resource use within agricultural businesses, and the role of operations research.
ASSESSMENT:
Final examination 100%

COURSE CODE: AGPD 6005
COURSE TITLE: PROJECT PLANNING, MONITORING AND EVALUATION
NUMBER OF CREDITS: 6
COURSE DESCRIPTION: This course considers the planning and management of public investment in the agricultural sector. It teaches economic concepts for project identification, preparation and appraisal and the methodologies of logical framework, and financial and economic cost benefit analysis. Detailed financial analysis from the viewpoint of the farmer, project organisation and government is explained. Exercises are used at each stage to reinforce understanding of techniques. Social and environmental issues in planning are identified and approaches for their more effective integration into project appraisal reviewed. The course also provides guidelines for the design and management of project monitoring and evaluation, essential activities for effective project monitoring and implementation and the project cycle. It concludes by assessing the relation of agricultural projects to their wider macroeconomic and policy context.
ASSESSMENT:
Final examination 100%

COURSE CODE: AGPD 6006
COURSE TITLE: THE SOCIOLOGY OF AGRARIAN TRANSFORMATION AND RURAL DEVELOPMENT
NUMBER OF CREDITS: 6
COURSE DESCRIPTION: Is a new course about the sociology of development within agrarian and rural societies. The course is divided into six parts. The first and second parts introduce the basic sociological concepts and definitions and discuss various theoretical perspectives on development, particularly those that are more relevant to developing societies. Part three gives a historical overview of agriculture and rural development, followed by Part four, which identifies the historical and contemporary approaches, models and strategies for development for agrarian/rural communities. The next section describes the socio-cultural and economic profiles of rural people and communities. The course concludes with part six, which address policy issues important for future agriculture and/or rural development particularly the generation and transfer of appropriate technologies, nutrition and food security, credit, marketing and trade agreements
ASSESSMENT:
Final examination 100%

COURSE CODE: AGPD 6007
COURSE TITLE: FINANCE INVESTMENT AND CREDITS FOR AGRIBUSINESS AND RURAL DEVELOPMENT
NUMBER OF CREDITS: 6
COURSE DESCRIPTION: This new course was designed to meet the need for training by bankers and rural development personnel in the areas of business, finance, credit and investment. The course provides a general background to financial management and relevant institutions servicing the rural community. Sections on financial management of the farm business and financial planning discuss issues on land control, estate management, valuation of stocks, shares and debt financing. The latter sections develop the areal of credit management, commercial credit, asset valuation and inflation accounting issues. The course concludes with section on capital investment appraisals and planning, monitoring and evaluation of development projects.
ASSESSMENT:
Final examination 100%

COURSE CODE: AGPD 6500
COURSE TITLE: ECONOMICS OF WATER RESOURCES
NUMBER OF CREDITS: 6
COURSE DESCRIPTION: This course focuses on how economic concepts can be used to inform policy decisions regarding the use of surface and groundwater in developing economies. The first part of the course reviews recent and current trends in the water sector both globally and regionally, exploring in detail the reasons for its increasing scarcity. In Part two, a framework, within which a number of policy approaches are explained, is developed allowing the assessment of alternative policy responses to a given situation. The third part of the course considers the possibilities for improving irrigation system performance by examining the relative advantage of agency and farmer management. Finally, the political and social dimensions of water use at project, sectoral and international levels are discussed.
ASSESSMENT:
Final examination 100%

COURSE CODE: AGPD 6501
COURSE TITLE: AGRICULTURAL AND FOOD MARKETING IN DEVELOPING COUNTRIES
NUMBER OF CREDITS: 6
COURSE DESCRIPTION: This course explores the various activities involved in the marketing of agricultural and food products. Two main approaches are followed. The first concerns the analysis of markets from an economic perspective. After defining the subject matter and its relationship to economic development, a framework for the economic analysis of markets is developed, together with analytical methods for assessing market system performance. These are elaborated with reference to case studies of performance analysis and an exploration of policy issues. The second approach focuses on the adoption of a business orientation to marketing. The introduction to key concepts of marketing management such as marketing research and market strategies and planning, is followed by case studies which explore the practice of marketing management by different institutional types.
ASSESSMENT:
Final examination 100%

COURSE CODE: AGPD 6502
COURSE TITLE: LAND DEGRADATION AND SUSTAINABILITY
NUMBER OF CREDITS: 6
COURSE DESCRIPTION: This course sets out to explain the wide variety of ways in which the productive capacity of land is being reduced. It critically reviews the mechanical and biological means by which land degradation might be controlled and sometimes reversed. It suggests longer term changes in land use and management, by which agriculture and forestry may continue more or less indefinitely. The overall context in which this takes place is that of human societies and ideologies within which conservation and the sustainable use of land has to be achieved. The course is extensively illustrated with case study materials.
ASSESSMENT:
Final examination 100%

COURSE CODE: AGPD 6503
COURSE TITLE: GENDER ISSUES IN AGRARIAN AND ENVIRONMENTAL CHANGE
NUMBER OF CREDITS: 6
COURSE DESCRIPTION: This course demonstrates the importance of understanding the interrelationships between gender relations and environmental and agrarian change. It focuses on the ways in which the outcomes of development programmes are affected by gender relations and, in turn, the ways in which development programmes themselves affect and change the roles and responsibilities of men and women. The first module of the course provides an introduction by looking at the extent to which women's work is often ignored or undervalued in agrarian and environmental development. The second module focuses on issues of policy and practice, looking critically at the ways in which gender analysis has been incorporated into environmental and agrarian policy, and including practical frameworks for gender analysis. The third module looks at gender analysis and practice in specific sectors and the final section is concerned with research and needs analysis methods for gender issues.
ASSESSMENT:
Final examination 100%

COURSE CODE: AGPD 6504
COURSE TITLE: APPLIED ECONOMETRICS FOR AGRICULTURAL AND FOOD SECTOR
NUMBER OF CREDITS: 6
COURSE DESCRIPTION: This course is concerned with the application of econometric methods to the estimation and testing of the unknown parameters of economic relationships. Priority is given to both the statistical reasoning underlying the methodology and the practical considerations involved in using this methodology with a variety of models and real data. The focus of the course is on the classical linear regression model, and the content spans the principles of regression analysis and its statistical foundations; simple and multiple regression models; non-classical disturbances; dynamic modelling and aspects of model specification. A feature of the course is the practical exercises designed to reinforce each stage of the learning. For this purpose, the Microsoft software package is provided together with detailed, step by step guides to assist students in its use.
ASSESSMENT:
Final examination 100%

COURSE CODE: AGPD 6505
COURSE TITLE: CROP PRODUCTION FOR DEVELOPMENT
NUMBER OF CREDITS: 6
COURSE DESCRIPTION: Is a new course written to complement the revised course on Livestock Development. The first section describes the importance of specific tropical crops in terms of production, trade and production systems as well as the factors, which contributed to their development and the crop's development process. The second section discusses the economic, policy, social and technical factors which determine the potential for crop development and provide guidelines for the design of appropriate production systems. The final section addresses issues on the sustainability of cropping systems and consideration for consumer health.
ASSESSMENT:
Final examination 100%

COURSE CODE: AGPD 6506
COURSE TITLE: LIVESTOCK DEVELOPMENT FOR SMALL STATES
NUMBER OF CREDITS: 6
COURSE DESCRIPTION: The Course on Livestock Development has been completely rewritten to include issues specifically related to small states and the recent advances in livestock development. The specific needs of small states have been highlighted. The livestock industry in small states is explored including the role, functions and production systems of traditional livestock. A new section on the role and potential of non-traditional livestock has been included. The next section discusses the factors affecting livestock development including economic and financial issues and their relationship between trade (local and international) and the stakeholders in the industry. The course concludes with a module on the approaches to livestock development for small states beyond the year 2000, by linking the units with each of the step suggested for developing the strategies.
ASSESSMENT:
Final examination 100%

COURSE CODE: AGPD 6507
COURSE TITLE: RESEARCH PROJECT
NUMBER OF CREDITS: 6
COURSE DESCRIPTION: For the research project, students will be expected to illustrate their ability to apply research and problem-solving techniques to the analysis of a problem in their workplace or country of residence. This exercise should draw upon previous knowledge and experience gained in the courses completed in the MSc degree programme. In addition to local supervision, provision is made for limited travel of campus-based project supervisors to the location of both the project and the candidate for discussions related to the student's work.
ASSESSMENT:

Final examination	100%



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