UNDERGRADUATE

UWI
ST. AUGUSTINE CAMPUS

Food & Agriculture

REGULATIONS & SYLLABUSES

2020/2021

TABLE OF CONTENTS

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 issued in the Faculty Handbooks should be read in conjunction with the following University Regulations:

- 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 (with effect from August 2018) and any subsequent amendments thereof.
- 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 any subsequent amendments thereof.

Progress through a programme of study at the University is governed by Faculty Regulations and University Regulations. Should there be a conflict between Faculty Regulations and University Regulations, University Regulations shall prevail, where appropriate.

LEGAL NOTICE – PROGRAMME & 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 altogether 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 or governmental regulations or orders 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. Owing to the onset of the COVID-19 pandemic, teaching, delivery and assessment of the University's programmes and courses during Semester I of Academic Year 2020/2021 will be conducted primarily through virtual/online/electronic means. The University reserves the right to extend its virtual/online/electronic modes and methods of teaching, delivery and assessment into Semester II and "Summer School" of the 2020/2021 Academic year, if deemed necessary.

   Where permitted by national laws and regulations, the University may make appropriate arrangements to facilitate on-site teaching and/or conduct of practical components of specific programmes and courses, with such arrangements to follow strict adherence to all relevant COVID-19 Public Health Regulations and Guidelines and the University's Health and Safety protocols and guidelines.

DISCLAIMER – PRIZES & AWARDS

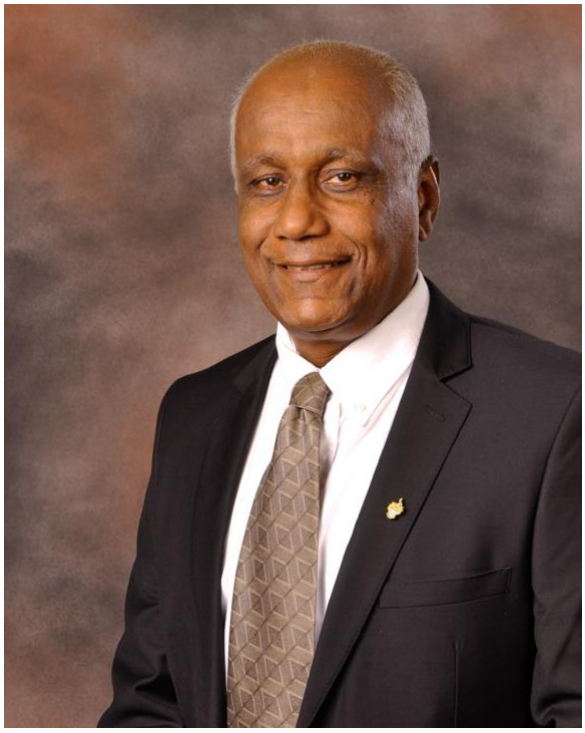
In the case where Faculty/Student Prizes or Awards may be listed, the Faculty does not bind itself to award any or all of the listed prizes/awards contained herein or its stated value and reserves the right to modify or altogether remove certain prizes/awards as described in either or both the electronic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

ACADEMIC CALENDAR 2020/2021

ACTIVITY	SEMESTER 1 AUGUST – DECEMBER 2020	SEMESTER 2 JANUARY – MAY 2021	SUMMER MAY – JULY 2021
Semester **BEGINS**	August 30, 2020	January 17, 2021	May 23, 2021
Registration **BEGINS**	August 24, 2020	January 11, 2021	May 17, 2021
Registration **ENDS**	September 18, 2020	February 05, 2021	June 12, 2021
Teaching **BEGINS**	September 07, 2020	January 18, 2021	May 24, 2021
Teaching **ENDS**	December 04, 2020	April 13, 2021	July 02, 2021
Late registration/late payment Fee of TT$200.00 APPLIES from	September 14, 2020	February 01, 2021	June 07, 2021
STUDENT PAYMENT PLAN (SPP)			
1st Installment (down payment)	Last working day August	Last working day January	Last working day May
2nd installment	Last working day September	Last working day February	Last working day June
3rd installment	Last working day October	Last working day March	
Last day for payment of fees before course registration is removed/Compulsory leave of absence is recorded.	October 30, 2020	March 31, 2021	June 30, 2021
Examinations **BEGIN**	December 07, 2020	April 26, 2021	July 19, 2021
Examinations **ENDS**	December 22, 2020	May 12, 2021	July 30, 2021
Semester **ENDS**	December 22, 2020	May 12, 2021	July 30, 2021
Application to Carry forward Coursework **ENDS** Application for Leave of Absence **ENDS** Application for Credit and Exemptions **ENDS**	September 18, 2020	February 05, 2021	June 11, 2021
Submission of Faculty Overrides **BEGINS**	August 24, 2020	January 11, 2021	May 17, 2021
Submission of Overrides **ENDS**	September 15, 2020	January 26, 2021	June 08, 2021
Deadline for processing of overrides in Banner by Faculty	September 18, 2020	January 29, 2021	June 12, 2021
UWI LIFE		**TBA**	
SEMESTER II - BREAK		**April 19 - 25, 2021**	
ELPT: Scheduled for the following dates	August 07, 2020 October 08, 2020	February 11, 2021	-
SPECIALLY-ADMITTED 2020 / 2021	**SEMESTER I**	**SEMESTER 2**	**ENTIRE ACADEMIC YEAR**
Application for Specially Admitted **OPENS**	November 09, 2019	November 09, 2019	November 09, 2019
Application for Specially Admitted **ENDS**	June 30, 2020	December 11, 2020	June 30, 2020
CEREMONIES			
Matriculation Ceremony	TBA		
Graduation Dates	TBA		
Inter-Faculty and Inter-Campus **TRANSFERS 2021 / 2022**	**OPENS**	**ENDS**	
All Faculties	November 09, 2020	June 30, 2021	
UNDERGRADUATE SCHOLARSHIPS & BURSARIES	**OPENS**	**ENDS**	
Scholarships and Bursaries [tenable in 2020/2021]	January 20, 2020 CONTINUING Students	May 29, 2020	
	September 1, 2020 First Year Students	September 30, 2020	

Revised August 2020. This calendar is subject to change by the appropriate authorities. This is an abridged version of the Academic Calendar. For the full and most up-to-date calendar, visit https://sta.uwi.edu/registration/academiccalendar.asp

MESSAGE FROM THE DEAN



I extend my warmest welcome to you! For all of us, lecturers, administrators and other members of the Faculty of Food and Agriculture (FFA), we are indeed thrilled to have you here.

In the coming weeks, as you get to know the campus and the people who work here, I hope you will take a moment to reflect on the astounding array of resources that have been marshalled to support your development as responsible and independent human beings. Use these resources fully and wisely. If you do, I am sure that your experience at the UWI will be even better than you anticipated.

The Faculty offers its programmes from three departments: Agricultural Economics and Extension, Geography and Food Production, with very strong inter-departmental cooperation. Programmes are packaged in a flexible manner to allow you the freedom to pursue programme combinations of your choice in order for you to realize your dream career. The curricula are regularly updated and revised to keep pace with the changing requirements for skill sets and competencies and ever-expanding knowledge and technological bases. National and Regional Food Security, Renewable Energy, Environment and Climate Change issues are some of the most pressing global challenges of this era and the FFA is actively addressing these issues.

The UWI and FFA's rules, regulations, procedures and processes are online. The booklet contains FFA's regulations governing each programme. If you need further elaboration and/or further information specific to a programme of interest, you may visit the office of the Head of the Department where the programme resides and/or contact the Deputy Dean, Teaching, Learning and Student Development who can be reached in the Faculty Dean's Office.

Your development will not be confined to academics. We have several clubs and student organizations – so no matter what your interests are, there's a place for you. And if there isn't, you can create one! Be bold. Be imaginative. You are destined to be our next leaders, whether it's by conquering climate change, or developing a new crop variety. We want you to become leaders who succeed by examining facts, who understand complexity and who work to bridge differences. You will come to understand how living in a community of peers with ideas, cultures and backgrounds quite different from your own can enrich and broaden your understanding of the world and help you define the place that you want to take in society.

I can guarantee you that your years here will fly by – and that the amount of change and growth you see in yourselves will be astonishing.

You – the students – are the most important part of a university. You represent future generations that are needed to tackle the difficult and complex challenges ahead; whether national or global. As with all things, you'll get out of this experience what you put into it. So, give it all you've got. We stand ready to support you as best as we can. Have a wonderful 2020 – 2021 academic year with us!

Wayne Ganpat (PhD) (Professor)
DEAN

OUR VISION

By 2025, the University will be globally recognised as a regionally integrated, innovative, internationally competitive university, deeply rooted in all aspects of Caribbean development and committed to serving the diverse people of the region and beyond.

MISSION STATEMENT of the Faculty of Food & Agriculture (FFA)

The Mission Statement reflects the primary purpose of the University, that is, the reason for its existence.
The enduring mission of the UWI is:
To advance agricultural, geographical, food and nutritional and family sciences education and create knowledge through excellence in teaching, research, innovation, public service, intellectual leadership and outreach in order to support the inclusive (social, economic, political, cultural, environmental) development of the Caribbean region and beyond.

FACULTY STRUCTURE

FACULTY OF FOOD AND AGRICULTURE	
OFFICE OF THE DEAN	
Department of **Agricultural Economics and Extension**	Department of **Food Production**
Department of **Geography**	**University Farms**
FFA **Business Development Unit**	Faculty **Publication and Communication Unit**

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GLOSSARY

TERM	DEFINITION
Co-requisite	A pair of courses which must be taken together in order to ensure the attainment of the complementary and/or independent competencies.
Course	A body of knowledge circumscribed by a syllabus to be imparted to students by sundry teaching methods and usually followed by an examination. A course may be either compulsory or elective.
Credit	A measure of the workload required of students. 1 Credit Hour is equivalent to 1 period of lecture per week OR 2 hours of laboratory session per week for a semester.
Discipline	A body of knowledge distinguishable from other such bodies on the basis of criteria, such as method of enquiry, axioms, area of application.
Elective	A course within a programme taken by choice of the student in accordance with rules governing the programme structure.
Exemptions	Exemptions are granted if a student can show successful completion of work at the same or similar level and scope as defined by the course learning outcomes.
Faculty courses	All courses except Foundation and Co-curricular courses
In-faculty courses	All courses originating in the Faculty of Food and Agriculture
Level	A state in a programme for which courses are designed (at UWI it is denoted by the first digit in a course code). For example, AGRI 2001 is a Level II course whereas AGRI 3001 is a Level III course.
Major	A subject area of undergraduate specialisation or focus normally comprising a total of specified number of credits (normally 30-33) including prescribed courses from Level II & III from a single discipline or theme. (see Departmental course listings)
Marginal failure	45% to 49% in the overall examination.
Minor	An area of undergraduate ancillary focus based on a specified number of credits (normally 15 or 16) of prescribed courses from Levels II & III either in a single discipline or theme.
Option	A prescribed combination of Levels I, II and III courses, within a single discipline or theme limited to the Faculty or across Faculties offerings, leading to a degree.
Out-of-faculty Courses	All courses originating in faculties other than the Faculty of Food and Agriculture.
Part	Portion of a programme defined by the regulations governing the programme.
Plagiarism	The unauthorized and/or unacknowledged use of other person's intellectual efforts and creations howsoever recorded, without proper and unequivocal attribution of such source(s), using the conventions for attributions or citing used in this University.
Pre-requisite	A course which must be passed before the course for which it is required may be pursued.
Programme	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/ certificate.
Preliminary Course	A Level 0 course used to satisfy entry requirements but does not contribute towards the requirements for the award of the degree.

Remedial Course A course that is offered in Summer School only for students who have failed this course during the semester.

Required to withdraw A student who is required to stay out of the University for a minimum period of 1 year.

Quality Points Quality points represent numerical values associated with the letter grades obtained in a course. In the UWI system the quality points range from 4.3 assigned to A^+ to 0 assigned to F3.

Semester GPA GPA is credit hour weighted average of quality points earned on courses taken in a semester. In the UWI system, courses graded on pass/fail basis are excluded from its calculation. (The terms Grade Point, GPA, Quality Hours, Honours GPA, Cumulative GPA and Quality Points are defined in the UWI Grade Point Average Regulations Booklet).

Special Option Each BSc. Special Option comprises of a prescribed set of departmental, inter-departmental FFA or out-of-Faculty courses

Warning A student whose GPA for a given semester is less than 1 shall be deemed to be performing unsatisfactorily and shall be placed on warning and a Dean's Hold will be on their record.

Cumulative GPA Grade point average obtained by a student over the semesters for which grades are available.

STUDENTS:

Part-Time Student A part-time student will normally be expected to register for a maximum of 12 credits of courses per semester. Such students normally attend classes scheduled for full-time students.

Full-Time Student A full-time student will normally be expected to register for a minimum of 13 credits of courses per semester.

Evening Student A student registered in an Evening University Programme will be required to attend classes on weekdays between the hours of 5:00pm - 10:00pm and on Saturdays between the hours of 8:00am- 8:00pm**.**

Specially Admitted Student A student admitted to pursue a limited number of courses which would not lead to any form of certification.

Study Abroad/Student Exchange
An exchange programme which allows students to spend one or two semesters at universities abroad in order to broaden their experience, understanding and perception of agriculture, human ecology or geography in a different environment where a wider range of courses are available, including independent study projects.

Subject An area of study traditionally assigned to the purview of a department.

Supplementary Oral An oral examination, offered on recommendation of Departments and Faculty according to regulations, to students who have registered a **MARGINAL FAILURE** in an advanced course.

GRADE CODE SHEET

The following designations when assigned SHALL NOT be used in the calculations of Grade Point Average:

AB	Absent from an examination for acceptable reasons other than medical problem. No penalty.
AM/XM	Medical submitted for absence from an examination. No penalty.
AMS	Absent Medical Supplemental
CR	Credit
DB	Debarred
DEF	Deferred
EC	Exemptions with Credit
EQ	Examination Query
EX	Exemption Only
FM	Fail/Medical Submitted
FMS	Failed Medical Supplemental
FMP	Failed Minus Penalty
I	Incomplete
IM	Incomplete Medical
IP	In Progress
LW	Late Withdrawal
NFC	Not for Credit
NP	Not Passed- when a student has failed a course taken on a pass/fail basis
NR	Not Reported
P	Pass
PC	Preliminary Credits
V	Audited
NV	Where a student has been permitted to audit a course but has done so unsatisfactorily
W	Withdrawal

The following designations when assigned SHALL be used in the calculations of Grade Point Average:

DIS	Disqualified
DO	Pass Oral
EI	Examination Irregularity
F	Fail
FA	When a student is absent from an examination without a valid reason
FAS	Failed Absent Supplemental
FC	Fail Coursework/Pass Examination
FE	Fail Examination/Pass Coursework
FO	Fail Oral
FP	Failed Practical
FT	Failed Theory
FWS	Fail/Supplemental Examination granted
SP	Specialized Degree

SECTION II - GENERAL INFORMATION

A. UNDERGRADUATE PROGRAMMES

The Faculty of Food and Agriculture (FFA) offers very flexible undergraduate programmes creating opportunities for students to pursue curricula that prepare them well for their career choices. The Faculty offers undergraduate programmes leading to the award of Certificates, Diplomas and BSc Degrees:

CERTIFICATES

- Certificate Programmes in Agriculture, Environmental Geography, and Human Ecology are currently being offered. These programmes are meant to prepare graduates for admission to certain degree level programmes in addition to entry level jobs in the related fields.

DIPLOMAS

- Undergraduate Diploma in Agriculture
- Institutional and Community Dietetics and Nutrition (post-baccalaureate/Internship)

BSc SPECIAL OPTIONS

The aim of special options is to provide candidates the choice of focusing on a single discipline or theme.

BSc IN SINGLE OR A COMBINATION OF TWO THE FOLLOWING MAJORS

The BSc is designed to provide the opportunity for candidates to pursue a broad based curriculum for their undergraduate degree training if they wish to do so.

B. TRANSFER STUDENTS

(a) Students on transfer between different BSc degree programmes or from other programmes of study within the University may, on the basis of passes already obtained, and on the recommendation of the Departments concerned, be exempted with credits from the relevant course(s) passed.

(b) A student accepted for entry to a BSc Degree programme with qualifications from another recognized tertiary level institution must complete a minimum of four semesters of full-time study in order to be awarded a degree from UWI.

C. STUDY ABROAD/EXCHANGE PROGRAMMES

The exchange programme allows students to spend normally one semester abroad at approved universities in order to broaden their experience, understanding and perception of agriculture, human ecology or geography in a different environment where a wider range of courses is available, including independent study projects.

* see Section XII for additional information.

D. MODE OF DELIVERY

Courses will be delivered in a hybrid mode for this Academic Year (AY). Some courses will combine classroom-based instruction and learning activities with self-directed and/or teacher-directed computer-based instruction and learning activities via myeLearning.

SECTION III - FFA REGULATIONS

SUB-SECTION I – INTRODUCTION

A. BSc PROGRAMME OFFERINGS DETAILS

1. The Faculty of Food and Agriculture (FFA) offers the BSc degree upon satisfactory completion of prescribed courses in the following areas:

2. FFA offers the following Bachelor's degrees (the terms Special, Major, Minor, Option, etc., are defined in the Glossary):

BSc DEGREE IS OFFERED IN THE FOLLOWING SPECIAL OPTIONS:

- Agribusiness Management
- Geography
- Human Nutrition and Dietetics

(a) **A BSc Degree with a:**

- single major in a FFA discipline/them
- double major in two disciplines/themes only, one of which may be from a Faculty other than FFA
- single major in the FFA discipline/theme plus one or two minors (from FFA or other Faculties)
- an aggregate degree (with any of the following options) as listed in Table 1.

TABLE 1: FACULTY OF FOOD AND AGRICULTURE: MAJORS AND MINORS

PROGRAMMES	MAJORS	MINORS
Agribusiness	• Agribusiness	
Agriculture	• Agricultural Technology • Tropical Landscaping	-
Entrepreneurship	• Entrepreneurship	Entrepreneur-ship[1]
Agricultural Extension	• Agricultural Extension*	Communications and Extension
Environment and Natural Resources	• Environmental & Natural Resource Management	Environmental & Natural Resource Management[2]
Geography	• Geography	-
Human Ecology	• Family and Consumer Sciences • Foods and Food Service Systems Management • Nutritional Sciences	Sports Nutrition
Note: For more detailed information on options / majors / minors, please refer to the relevant Departmental sections of this booklet.		
[1]Offered for non-Entrepreneurship majors only		
[2]Offered for non-ENRM majors only		
** Can only be offered if it meets minimum student registration quantity.*		

All students admitted to the Faculty of Food and Agriculture to read the programmes listed below are required to register for some relevant courses in the Faculty of Social Sciences. Students should familiarize themselves with the list of cross-faculty prerequisites and equivalences listed in SECTION VII.

- BSc Agribusiness
- BSc Agribusiness Management (SP)
- BSc Entrepreneurship
- Human Ecology programme
- BSc Human Nutrition and Dietetics (SP)

B. TYPE OF COURSES OFFERED AND THEIR WEIGHTING

3. The following type of courses which may consist of both theoretical and/or practical components are offered by the University:

   (a) **FFA FACULTY COURSES:**
   These are courses offered by FFA (In-Faculty Courses). Preliminary courses (Level 0) may be used to satisfy matriculation requirements or prerequisites for Level I, II or III courses.

   (b) **SERVICE COURSES**:
   These provide students with basic technical and analytical skills.

   (c) **OUT-OF-FACULTY COURSES**:
   These are courses offered by other Faculties which may contribute towards the requirements for the award of a degree. Approval must be granted by the Dean before a student can pursue an out-of-Faculty course if such course is not part of the candidate's degree programme.

   (d) **FOUNDATION COURSES:**

   i. In order to qualify for the award of a BSc degree in the FFA, all students are required to complete a minimum of nine (9) credits of Foundation Courses. These courses are designated as Level I courses and are designed to augment the general education of students and are offered University-wide.

   ii. All student admitted to FFA to read for undergraduate degree are **normally** required to take the following three Foundation Courses (3 credits each)
   - FOUN 1101 - Caribbean Civilisation
   - FOUN 1105 - Scientific and Technical writing
   - FOUN 1301 - Law, Governance, Economy and Society

   iii. Students pursuing the BSc Agriculture must take AGRI 1102 instead of FOUN 1105.

   iv. Effective 2014/15, the Foundation courses will be treated like regular courses where grades will be used instead of the traditional pass/fail system. As a result, the Foundation courses will contribute to the cumulative GPA and academic standing of each student.

   v. On entry into the Faculty, a student may be required to pass the English Language Proficiency Test (ELPT) before he/she can register for FOUN 1105. However, students with the following qualifications can register directly for FOUN 1105:
   - Grade I in CSEC English Language or
   - Grade 1 or 2 in CAPE Communication Studies (or Grade A or B in General Paper in the GCE A-Level Examination).

   vi. Students admitted to the new BSc Agriculture are not required to do FOUN 1105 since they are required to do AGRI 1102: Critical Thinking, Information Literacy and Communication as a subject matter oriented equivalent and item (v) applies.

4. Courses normally extend over one (1) semester, but in a few cases may extend over two (2) semesters.

5. The weight of a course is expressed in terms of credit hours, and the credit-weighting of a course is determined by the Faculty which administers the courses. In general, a course with one period of lecture per week for one semester has a weighting of one credit.

C. CO-CURRICULAR CREDITS

6. Courses involving independent supervised activities which would earn the student co-curricular credits may be pursued upon approval by the Campus Academic Board.

   i. Students are eligible to register for co-curricular credits after their first semester of studies.

   ii. Each student is entitled to no more than three (3) co-curricular credits counted towards his/her degree.

   iii. The programme of co-curricular activities must have the approval of the Faculty and Academic Boards before it is taken by the student.

   iv. The Deputy Dean with responsibility for Teaching, Learning and Student Development is the Faculty's Coordinator for the co-curricular programme. Please consult with the Coordinator if you are interested in

pursuing co-curricular activities.

v. Co-curricular credits will be awarded on the following basis:
- Students must be involved in the activity for at least one (1) semester.
- Explicit learning outcomes must be identified for each activity.
- There must be clearly defined mode(s) of assessment for each activity.

vi. The grading of co-curricular activities will be on a pass/fail basis and will not contribute to a student's GPA.

vii. The three Level I credits earned for involvement in co-curricular activities may be included as part of the overall general credit requirement for the award of the BSc Degree. However, such credits earned shall **not** be used in the computation of a student's Weighted Grade Point Average for determining the Class of Honours.

viii. For further details on co-curricular offerings, please consult Deputy Dean (Teaching, Learning and Student Development).

For further information and the list of Co-Curricular courses, see SECTION V - FREQUENTLY ASKED QUESTIONS (FAQs).

D. CRITERIA FOR ELIGIBILITY / GUIDELINES FOR THE OPERATIONS OF DEAN'S HONOURS LIST ACROSS FACULTIES

PREAMBLE STATEMENT

Dean's Honour Rolls or Dean's Lists have been established in a number of faculties across the St. Augustine campus; each with faculty-specific guidelines and criteria for student's eligibility Academic Board mandated the Deputy Principals to work with Deputy Deans Student matters or related areas to meet to develop common procedures recognizing that it may be necessary to have some minor differences. It was agreed that where this occurred a clear explanation / justification should be included.

Another principle that guided the discussions was that undergraduate students in all Faculties should have an equal opportunity to be recognized for academic performance / excellence.

OBJECTIVES OF A DEAN'S HONOUR LIST

- To recognize academic excellence
- To motivate students to continuously strive for academic performance

CRITERIA

- Each faculty shall have a uniformly named Dean's Honours List which would recognize the academic excellence / performance of an undergraduate student.
- Undergraduate students across faculties shall be assessed each semester for their academic excellence / performance and eligibility on the Dean's Honours List.
- The qualifying Grade Point Average (GPA) shall be 3.6, for eligibility for the Dean's Honours List across faculties.
- The minimum credit (Full Time students) for eligibility on the Dean's Honours List shall be 15 credits per semester.
- The minimum credit (Part Time students) for eligibility on the Dean's Honours List shall be 12 credits per semester.
- Students with Failed Medicals (FM) would not be eligible/qualify for recognition on the Dean's Honours List.
- Students with repeat courses should be considered for recognition on the Dean's Honours List.
- Students with pending Disciplinary Action/Hearing may be considered for recognition on the Dean's Honours List, but would be removed from the list if they are found culpable.
- Registered students with disabilities must meet the qualifying GPA of 3.6. They would however be eligible on completion of 12 credits in the semester.

SUB-SECTION II – UWI/FACULTY REGULATIONS

All students of the University are subject to the University Regulations approved by the Senate of the UWI. Where there is conflict between the regulations of any Faculty and the University Regulations, the University Regulations shall apply.

E QUALIFICATIONS FOR ADMISSION INTO THE FACULTY

1. In order to be admitted to the undergraduate degree programmes, candidates must satisfy the University requirements for Matriculation (see the University Regulations for Undergraduate Students) AND have passed the CSEC General Proficiency Level examination at Grades I, II or, since 1998, Grade III (or equivalent qualifications) in Mathematics, English Language and three additional subjects.

2. Candidates must also:
   (a) have obtained passes in a minimum of two -Unit subjects at CAPE (or GCE A-Level or equivalent), **or**
   (b) have obtained an Associate Degree or equivalent certification (or equivalent qualification) in a relevant programme from a tertiary level institution recognised by UWI, **or**
   (c) have any other appropriate qualifications acceptable to the FFA.

3. In order to be admitted to the Diploma in Institutional and Community Nutrition and Dietetics, candidates must have successfully completed:
   (a) A Bachelor's Degree (no more than 5 years prior to application) with majors in Clinical (Human) Nutrition, Foodservice Systems Management, and Community Nutrition from an accredited Tertiary Level Institution.
   (b) Applicants who do not qualify for entry as specified at 14 (a) above may be required to pursue qualifying courses at the University, to a minimum of 18 credits.
   (c) Selection from suitably qualified applicants will be based on interviews.

4. **IN ADDITION TO THE ABOVE GENERAL QUALIFICATIONS FOR ADMISSION, CANDIDATES MUST SATISFY THE SPECIFIC SUBJECT REQUIREMENTS FOR ENTRY INTO THE VARIOUS FFA PROGRAMMES THEY DESIRE TO PURSUE.**
   These are listed in **TABLE 2** below:

TABLE 2: CAPE (GCE A-LEVEL OR EQUIVALENT) QUALIFICATION FOR ENTRY INTO VARIOUS FFA PROGRAMMES

PROGRAMME	*CAPE SUBJECT(S) (GCE A-LEVEL OR EQUIVALENT) REQUIREMENT*
BSc with majors in:	
Agribusiness	• 2 CAPE subjects (Units I & II) or 'A' Level equivalent, OR • The Undergraduate Diploma in Agriculture, OR • The Certificate in Agriculture, OR • Certificate in Human Ecology OR • Certificate in Environmental Geography OR • An approved Associate Degree with a minimum GPA of 2.5
Agricultural Technology	• 2 CAPE subjects (Units I & II) or 'A' Level equivalent, and a pass in any science subject at CSEC level, OR • Certificate in Environmental Geography, OR • An approved Diploma, Associate Degree or Certificate in Agriculture with a minimum GPA of 2.5.
Agricultural Extension	• 2 CAPE subjects (Units I & II) or 'A' equivalent). Preference will be given to those who have attained a pass in one of the following subjects: Agricultural Science, Communication Studies, Environmental Science, Food and Nutrition, Geography, OR • Holders of a Diploma or Associate degree in agriculture or related areas with a minimum GPA of 2.5 from a tertiary level institution recognized by the UWI, OR • Any other appropriate qualifications acceptable to the FFA.

Entrepreneurship	• 2 CAPE subjects (Units I & II) or 'A' Level equivalent, OR • Undergraduate Diploma in Agriculture, OR • Certificate in Agriculture, OR • Certificate in Human Ecology, OR • Certificate in Environmental Geography, OR • An approved Associate Degree with a minimum GPA of 2.5, OR • Any other equivalent qualification.
Environmental & Natural Resource Management	• 2 CAPE Science subjects (Units I & II) or 'A' Level equivalent and a pass in Biology/Human & Social Biology/Integrated Science/Agricultural Science at CSEC level, OR • 2 CAPE subjects, one (1) of which must be Environmental Science or Geography or Biology, OR • Certificate in Environmental Geography, OR • Certificate in Agriculture, OR • An approved Associate Degree with a minimum GPA of 2.5
Family and Consumer Sciences	• 2 CAPE subjects (Units I & II) or 'A' Level equivalent, OR • Certificate in Human Ecology, OR • An approved Associate Degree with a minimum GPA of 2.5.
Foods and Foodservice Systems Management	• 2 CAPE subjects (Units I & II) or 'A' Level equivalent, OR • Certificate in Human Ecology, OR • An approved Associate Degree with a minimum GPA of 2.5
Geography	• 2 CAPE Science subjects (Units I & II) or 'A' Level equivalent and a pass in Geography at CSEC (CXC) or GCE O-Level or an approved equivalent, OR • 2 CAPE subjects (Units I & II) or 'A' Level equivalent, one (1) of which must be Geography or Environmental Science normally with a minimum Grade of IV or D, OR • Certificate in Environmental Geography, OR • Certificate in Agriculture, OR • An approved Associate Degree with a minimum GPA of 2.5
Nutritional Sciences	• 2 CAPE subjects, and must have passes in CSEC Chemistry and at least one of the following: Biology, Human & Social Biology and Integrated Science • Certificate in Human Ecology, OR • An approved Associate Degree with a minimum GPA of 2.5.
Tropical Landscaping	• 2 CAPE subjects (Units I & II) or 'A' Level equivalent, and a pass in any science subject at the CSEC Level. Preference will be given to students with a CSEC Level pass in Visual Communication, OR • An Associate Degree/Diploma in Landscape or Ornamental Horticulture from institutions recognized by The UWI, OR • Undergraduate Diploma in Agriculture (UWI), OR • Undergraduate Certificate in Agriculture, OR • Any other suitable combination of training and experience approved by the Faculty
BSc Degrees	
BSc Agriculture	• 2 CAPE subjects (Units I & II) or 'A' Level equivalent, and a pass in any science subject at CSEC level, OR • The Undergraduate Diploma in Agriculture, OR • The Certificate in Agriculture, OR • An approved Diploma or Associate Degree with a minimum GPA of 2.5

BSc Agribusiness Management	• 2 CAPE subjects (Units I & II) or 'A' Level equivalent, OR • The Undergraduate Diploma in Agriculture, OR • The Certificate in Agriculture, OR • Certificate in Human Ecology OR • Certificate in Environmental Geography OR • An approved Associate Degree with a minimum GPA of 2.5
BSc Human Ecology	• 2 CAPE subjects (Units I & II) or 'A' Level equivalent, OR • Certificate in Human Ecology, OR • An approved Associate Degree with a minimum GPA of 2.5
BSc Human Nutrition and Dietetics	• 2 CAPE subjects (Units I & II) or 'A' Level equivalent, and have passes in CSEC Chemistry and at least one of the following: Biology, Human & Social Biology and Integrated Science, OR • Certificate in Human Ecology, OR • An approved Associate Degree with a minimum GPA of 2.5
For a list of approved science CAPE/GCE A-Level subjects, see **SECTION VI**.	

F. EXEMPTIONS / CREDITS

5. Provided that requirements to Statute 47 are fulfilled, students admitted to the FFA, may be exempted **with or without credits** from Level I and/or Level II courses if they:
   - are holders of degrees from approved universities; **or**
   - have partially fulfilled the requirements of such degrees; **or**
   - are holders of Associate Degrees or Diplomas from approved tertiary level institutions; or
   - have transferred from different BSc degree programmes or from other programmes of study within the University

   Application for **exemptions** must be made upon entry through the Registry (Admissions).

6. Where **exemptions without credit** are granted, students will be required to pursue alternative courses of equivalent credits as approved by the Head of Department. The following is a list of exemptions and/or credits currently offered by the Faculty:

   (a) BSC AGRICULTURE, OR AGRICULTURAL TECHNOLOGY MAJOR

   i. Holders of the ECIAF Diploma in Agriculture, or the CASE Associate Degree in Agriculture or the Sir Arthur Lewis Community College (SALCC) - Associate Degree Graduates in Agriculture admitted into the Faculty will be **exempted with credit** from AGRI 1100 and AGEX 1000/1003 irrespective of their GPA where relevant.

   ii. In addition, all ECIAF/CASE graduates admitted into the Faculty with a GPA equal to or greater than 2.75 will be granted **exemption with credit** from the following courses:
   - AGBU 1005
   - AGBU 1006
   - AGSL 1001
   - AGRI 1003
   - AGLS 1001
   - AGRI 1016 and
   - AGEX 2001.

   In such cases students will be allowed to register for level II/III courses in their first year of admission.

   iii. In addition, all SALCC graduates admitted into the Faculty with a GPA equal to or greater than 2.75 will be granted **exemption with credit** from the following courses:
   - AGLS 1001
   - AGBU 1006
   - AGSL 1001
   - AGRI 1016 and
   - AGRI 1010

   iv. *Exemption with Credits* from all Year 1 courses listed hereunder for the graduates of the Undergraduate Diploma in Agriculture (UDA) admitted into the BSc Agriculture.

BSc Agriculture: Core Courses
Semester 1

- AGBU 1005 Introduction to Microeconomics 3
- AGEX 1003 Development of Caribbean Agriculture 3
- AGLS 1001 Anatomy and Physiology of Animals 3
- AGRI 1012 Microbiology 3
- AGSL 1001 Soils and the Environment 3

Semester 2

- AGBU 1006 Macroeconomic Fundamentals for Caribbean Agriculture 3
- AGRI 1003 Mathematics for Scientists 3
- AGRI 1011 Introduction to General Genetics 3
- AGRI 1013 Introduction to Biochemistry 3
- AGRI 1016 Plant Anatomy and Physiology 3
- AGRI 1102 Critical Thinking, Information, Literacy and Communication 3

Summer

- AGRI 1100 Practical Techniques and Tools in Agriculture 4

PLEASE CONSULT WITH THE DEPARTMENT OF FOOD PRODUCTION FOR ADVICE BEFORE REGISTERING.

v. Students with CAPE (GCE A-Level) Mathematics or equivalent will be **exempted with credit** from AGRI 1003.

(b) HUMAN ECOLOGY AND HUMAN NUTRITION AND DIETETICS PROGRAMMES

i. Students with **Grades 1 and 2** for **CAPE Chemistry (Units 1 and 2)** or **Grades A and B** for **GCE A-Level Chemistry**; or **N1 Chemistry (CHEM 0100 and CHEM 0200)** or equivalent at UWI will be granted exemption only for:
- AGRI 0103-Agricultural Chemistry

ii. Students with **Grades 1 and 2** for **CAPE (Units 1 and 2)** or **Grades A and B for GCE A-Level** will be granted exemptions with credit in the following subject areas:
- CAPE Pure/Applied Mathematics: AGRI 1003-Mathematics for Scientists
- CAPE Food and Nutrition: HUEC 1003-Introduction to Nutrition
- CAPE Accounting: ACCT 1002-Introduction to Financial Accounting

iii. Associate degree holders from **Trinidad and Tobago Hospitality and Tourism Institute** (**TTHTI)** with a **GPA of 3.00** and a minimum **Grade of B** in the subjects used to apply for exemptions with credit from the following courses:
- HUEC 2003: FSSM-Organization, Management and Operation
- HUEC 2004: FSSM-Equipment, Layout and Design
- HUEC 3002: FSSM-Quantity Foods
- HUEC 3020: Development of Caribbean Cuisine

iv. Associate degree holders from the **TTHTI** with a **GPA of 3.00** and a minimum **Grade of B** in the subjects used to apply for exemptions with credit from the following courses:
- HUEC 3023: Practicum (Foods and Foodservice)

G. REGISTRATION

7. (a) A student pursuing a degree in the Faculty may register as a full-time student **or** as a part-time student). A student may apply to change his/her status during the tenure of the degree.

(b) A student who is in full-time employment may only pursue a degree as a part-time student

(c) A full-time student is normally expected to register for **a minimum of 15 credits** of Faculty courses per semester.

(d) A part-time student is normally expected to register for **a maximum of 12 credits** of courses per semester offered under the day programme. Part-time students will **not** be allowed to attend Evening University classes.

8. Students must register for courses that they wish to pursue by the dates prescribed by the Campus Registrar.

9. Changes to the registration (add and drop courses) will only be permitted within the prescribed periods in Semesters I and II. (Please refer to the Campus website and notice boards for actual dates).

10.(a) Registration for any course constitutes registration for the associated examination. A student will therefore be deemed to have failed the course if he/she does not attend the examination without having previously been allowed to withdraw from the course or without having tendered evidence of illness at the time of the examination certified by a medical practitioner recognised by The University. In the latter case, the **MEDICAL REPORT MUST REACH THE HEALTH SERVICE UNIT (HSU) no later than SEVEN (7) DAYS after the date of the examination concerned.** Medical Certificate / Report forms are available online at **http://sta.uwi.edu/onlineForMsasp**

(b) In cases where the medical submitted is for a missed coursework examination, and is approved by the Campus HSU, the candidate shall be granted a make-up examination at a date prescribed by the Head of the relevant department.

(c) **In cases where the medical submitted for a missed final examination is approved by the Campus HSU, the designation of AM (Absent Medical) will apply**. The designation AM carries no penalty.

11. (a) A student who has passed a course will not be permitted to re-register for that course.

H. GENERAL REQUIREMENTS FOR THE AWARD OF THE DEGREE

12. In order to be eligible for the award of the BSc degree in FFA, candidates must have:
   i. been in satisfactory attendance for a period equivalent to at least six (6) semesters of full-time study from entry at Level I
   ii. obtained passes in Levels I, II and III and Foundation Courses amounting to the number of credits shown in **TABLE 3**
   iii. attained a minimum cumulative Grade Point Average (CGPA) of 2.00 effective 2014/15

PLEASE NOTE CAREFULLY THAT THE CREDIT REQUIREMENT FOR THE AWARD OF THE BSC DEGREE VARIES DEPENDING UPON THE PROGRAMME BEING PURSUED (TABLE 3).

TABLE 3: MINIMUM CREDIT REQUIREMENTS

DEGREE	LEVEL I CREDITS	LEVEL II - III CREDITS	FOUNDATION	TOTAL
BSc with majors /minors	24	60	9	93*
BSc Agriculture	37	71	6	114
BSc Geography (Special)	24	60	9	93
BSc Agribusiness Management (Special)	33	69	9	111
BSc Human Ecology	30	63	9	102
BSc Human Nutrition and Dietetics (Special)	36	64	9	109
* The number of credits required varies depending on the selected combination				

13. Students will not be granted credits for the same course offered under different majors/minors. In such cases students will be required to pursue alternate courses which must be approved by the Dean.

14. Exemptions from specific parts of the degree programme may be obtained under the provision of sub-Section III, F (List of exemptions)

I. PROGRESS THROUGH THE PROGRAMME

15. (a) Full-time students admitted to Year 1, are normally expected to register for 15 Level I Faculty credits in addition to two (2) foundation courses equivalent to a maximum of twenty-one (21) credits, per semester.

(b) Part-time students are expected to register for courses equivalent to a minimum of 6 credits per semester.

(c) In order to satisfy the minimum requirement for entry to the advanced part of the programme (Level II and III), a student must normally record passes in Level I courses equivalent to a minimum of twenty-four (24) credits of Faculty courses.

(d) A student who has obtained passes in Level I Faculty courses equivalent to eighteen (18) credits in the first two (2) semesters of full-time study may, on the approval of the Dean, be allowed to register for a **limited number of**

Level II courses in addition to those courses required to complete Level I requirements.

(e) Students who are registered for the BSc Major in Geography, are eligible for transfer to the BSc Geography programme at the end of level I, provided that they have achieved an average cumulative GPA of at least 2.8 in their first year geography courses.

16. The maximum number of credits (including those from foundation courses) for which a student may normally register in any semester is as follows:
    (a) In the case of students who have **NOT** satisfied the requirements for completion of the Level I requirements
        i. twenty-one (21) credits subject to a maximum of eighteen (18) credits from Faculty courses, if the student is registered full-time;
        ii. twelve (12) credits if the student is registered as a part-time student;

    (b) In the case of candidates who have fully satisfied the requirements for completion of the Introductory Part of the programme (i.e. students fully in the Advanced Part of the programme):
        i. twenty-one (21) credits from Faculty courses;
        ii. twelve (12) credits if the student is registered part-time;

    (c) **Students are required to complete all LEVEL 1 course requirements within four semesters of entry into the programme of study.**

    (d) Full-time students who require **not more than twenty-four (24) credits** in order to graduate, have satisfied all Foundation course requirements, and are exempted from laboratory coursework in at least one course, may be allowed to register for twenty-four (24) credits of Faculty courses with written permission from the Dean.

J. DECLARATION OF MAJORS AND MINORS

17. (a) Students are required to register for a major/option upon entry into the Faculty. However, students may request a change in major/option as they progress along their studies. Students desirous of pursuing majors in a Faculty other than FFA must apply for and obtain official approval from that Faculty before they can be admitted into such majors.

    (b) **Students are required to make a final declaration of their proposed major(s)/minor(s)/options by the end of the registration period of the semester in which they are likely to graduate.**

    (c) **Students who have met the requirements for the degree for which they have registered may not register for further courses in pursuit of that degree.**

K. STUDY ABROAD/EXCHANGE PROGRAMMES

18. UWI students, while at exchange universities, will continue to be full-time students of The University of the West Indies. Such students will pay UWI tuition and pursue matching and/or approved courses for credit. Credits earned abroad will be transferred to UWI and applied to regular Faculty degree requirements in accordance with Faculty Regulations **51-53.**

19. (a) FFA students who wish to participate in an exchange programme at an approved institution and desire to have the credits obtained used toward a UWI degree, are required to obtain written approval in advance from the Dean prior to registering for such courses. **Failure to do so may preclude the acceptance of the credits earned at the exchange institution.**

    (b) Students must normally have a minimum Cumulative GPA of 2.5 and have spent at least two semesters of full-time study at UWI to qualify for the Exchange Programme.

    (c) To ensure the transfer of credits, the content of the courses to enrol in the host institution must be vetted and approved in advance by the relevant Department(s) in FFA as being equivalent to the UWI courses and signed off by the Dean. Course outlines and syllabuses must be provided by the student in order to facilitate the evaluation process.

    (d) ONLY GRADES EARNED AT HOST INSTITUTION AND NOT THE MARKS EARNED SHALL BE TRANSFERRED TO STUDENT'S UWI ACADEMIC RECORDS.

    For further information, see SECTION XII - STUDENT EXCHANGE & STUDY ABROAD.

L. EXAMINATIONS

20. In order to pass a course, a candidate must have satisfied the examiners in the associated examinations. Students who fail to attend at least 75% of classes associated with a course may be debarred from writing the final examinations associated with that course.

21. The examination associated with each course shall be conducted mainly by means of a written paper and/or practical exercise, normally taken at the end of the semester in which the candidate has registered for the course concerned. However, oral examination as well as performance in coursework in the form of essays, in-course tests, research papers, projects, or continuous assessment of theoretical and/or practical work may contribute towards the final grade awarded in a course. (Consult individual course outlines and the departments for the specific modes of assessment.)

22. When practical papers and/or practical coursework contribute towards an examination, candidates must satisfy the examiners in both the theoretical and practical aspects of the course. On the basis of performance in the practical part of the course,
candidates may, on the recommendation of the Department concerned, be exempted from the practical part of the final examination.

23.(a) A student may be granted oral examinations in failed Level II/III courses provided that the student has completed all level I requirements, passed a minimum of 30 levels II/III credits, and has a marginal failing mark of 45 to 49 percent in the course.
(b) Students passing such oral examinations will be awarded the minimum pass mark of 50% (Grade C, Quality Point 2.0) and will not have any right of appeal or review of the outcome.
(c) Students offered oral examinations may choose to decline the offer.
(d) Students must be given at least 2 weeks' notice before the date of the oral examination.

24. A candidate who fails the examination associated with a course may be given permission to repeat the course and the examination on a subsequent occasion.

25. In the event that such a candidate has satisfied the examiners in the practical coursework component of the failed course, the candidate may, on the recommendation of the relevant Department, be exempted from the laboratory coursework with the transfer of course work mark.

26. Remedial courses in FFA offered as part of the Summer School Programme are considered repeat courses.

27. The Academic Board on the recommendation of the Faculty Board concerned may debar a candidate from writing the examination associated with a course, based on attendance of less than 75% at lectures/laboratory classes/tutorials. The designation recorded for such a candidate in that course will be DB (debarred).

M. PLAGIARISM DECLARATION

28. A declaration must be made In accordance with the University Regulations on Plagiarism (First Degrees, Diplomas and Certificates) and shall be attached to all work submitted by a student to be assessed as part of, or the entire requirement of the course, other than work submitted in an invigilated examination. By signing this declaration, a student declares that the work submitted is original and that it does not contain any plagiarised material. (SECTION XIII - Regulations on Plagiarism)

N. TIME LIMITS FOR COMPLETION AND ENFORCED WITHDRAWALS

29. (a) A semester grade point average (GPA), based on grades earned on all approved courses for which the student is registered in a semester, will be used as the basis for the determination of his/her academic standing.
(b) A student whose GPA in any semester is less than 2.00 will be placed on warning for the following semester.
(c) A student who is on two consecutive warnings will normally be required to withdraw from the Faculty.
(d) A Dean's hold will be placed on academic record of a student on warning. Such a student will have to seek academic advising through the Office of the Dean before the Dean's hold can be removed. This must be done within the prescribed registration period at the start of the relevant Semester. **Where desirable, a reduced academic load may be recommended and academic action suspended.**

30. For the purposes of Regulation 42 below, any semester in which a student is registered part-time, will be counted as half of a semester of full-time study.

31. (a) Full-time students will normally be required to complete the requirements for the degree in a minimum of six (6) or a maximum of ten (10) semesters of full-time study.

(b) Students who do not complete the programme within the maximum period stated in Regulation 42 (a) above will normally be required to withdraw from the Faculty at the end of the academic year in which the maximum time limit is reached.

32. In the event that a student has exhausted the maximum period stated in 42(a) above, but still requires more time for the completion of the degree programme:
    (a) passes in courses totalling no more than eight (8) credits, **and/or**:
    (b) passes in Foundation courses only;

    Approval would be sought from the Board for Undergraduate Studies for an extension of the period of study by one (1) or two (2) consecutive semesters.

33. For the purposes of Regulation 42(a) above, any semester for which a student has obtained leave of absence from the Faculty shall not be counted.

34. A student from another faculty who is required to withdraw may be allowed to register in the FFA, if, having carefully assessed the circumstances surrounding the withdrawal, it is felt that this is in the best interest of the student's educational goals and that the student satisfies the Faculty's entry requirements.

35. A student who was required to withdraw for reasons of failure to progress may be re-admitted to the Faculty on the following conditions:
    (a) A minimum of **TWO** consecutive semesters has elapsed since the date of withdrawal.
    (b) The Faculty is satisfied that the contributing circumstances for the withdrawal have altered substantially.
    (c) Through the Academic Forgiveness Policy, and at the Dean's discretion, courses may be used as transfer credits
    (d) The maximum number of transfer credits is 30, which would be Level I in accordance with statute 47
    (e) Courses pursued in the UWI Summer School during the period of withdrawal shall be included in all relevant grade point average calculations if the student re-enters the Faculty.
    (f) A student may write to the Dean asking to have the RTW status rescinded

36. (a) A student who was required to withdraw from the Faculty **must reapply for re-entry** by the date prescribed by the Campus Registrar. **THIS MUST BE DONE PRIOR TO THE DEADLINE FOR APPLICATION AS FOLLOWS:**
    (b) A student who is required to withdraw at the end of Semester I of an academic year must reapply by **15th December of the following academic year** for readmission in Semester II of that academic year.
    (c) A student who is required to withdraw at the end of Semester II or summer session of an academic year may reapply **by 30th January of the following academic year** for readmission in Semester I of the next academic year.
    (d) A student will not be admitted before a year has elapsed.
    (e) A student who was re-admitted and then required to withdraw for a second time, will not normally be considered for re-admission again until a minimum period of five years has elapsed.

O. LEAVE OF ABSENCE AND VOLUNTARY WITHDRAWAL

37. (a) A student who wishes to be absent from the Faculty for a semester or more must apply **ONLINE** for Leave of Absence.
    (b) Leave of Absence will not be granted for more than two (2) consecutive semesters in the first instance. However, students may apply for an extension of leave.
    (c) Leave of Absence will not be granted for more than two (2) consecutive years.
    (d) Applications for Leave of Absence should normally be submitted no later than the end of the prescribed change in registration period in the relevant semester.

38. A student who does not register for any course during a semester without having obtained Leave of Absence will be deemed to have voluntarily withdrawn from the Faculty and will have to re-apply for entry into the Faculty if she/he so desires.

39. A student who voluntarily withdraws from the University and then applies for re-admission within five (5) years shall be granted exemption and credit for all courses previously passed unless the Department concerned declares that the material covered in a course has become outdated. All grades previously obtained except those for courses declared outdated shall be used in the determination of the GPA of such a student.

P. GPA AND CLASS OF DEGREE AWARDED

40. (a) All students in the Faculty, irrespective of their date of entry into the Faculty, are subjected to the NEW GPA regulations.
    (b) A cumulative grade point average based on all courses completed and for which quality points have been

assigned (excluding preliminary courses, those taken on a pass/fail basis, audited courses and courses designated I or IP), will be calculated and recorded on the student's transcript.

(c) Honour's Grade Point Average based on grades obtained on relevant **Levels II and III courses,** including all courses in the declared major(s)/minor(s)/option whether passed or failed, will be used for determination of the class of the degree. (See Regulations 52 and 53 for the relationship between marks, Grade Point Average and Class of Honours.)

(d) First Class Honours, Second Class Honours (Upper and Lower Division), or a Pass degree will be awarded on the basis of the Weighted Grade Point Average (GPA) of all Level II/III courses taken (passed and failed).

Q. GRADING SCHEME FOR ALL STUDENTS

Effective 2014/15 academic year, all undergraduate students in the UWI system will be graded under a new scheme. The details of this scheme are given below in item 52 and grade description is provided for your attention in SECTION IV. Please note that in order to record a pass on any subject students must attain a minimum mark of 50% which translates to a quality point of 2.0 or a grade of C.

41. The Grading Scheme used in the Faculty of Food & Agriculture is as follows:

MARK	GRADE	QUALITY POINTS
90-100	A+	4.3
80-89	A	4.0
75-79	A-	3.7
70-74	B+	3.3
65-69	B	3.0
60-64	B-	2.7
55-59	C+	2.3
50-54	C	2.0
40-49	F1	1.7
30-39	F2	1.3
0-29	F3	0.0

R. CLASS OF HONOURS

42. A student's class of degree will be based on GPA, which is the Weighted Grade Point Average of all advanced courses (GPA) as follows:

HONOURS	GPA
First	3.60 – 4.3
Upper Second	3.0 – 3.59
Lower Second	2.5 – 2.99
Pass	2.0 – 2.49

S. AEGROTAT DEGREE

43. (a) A candidate who, by virtue of illness, was prevented from attending examinations or part of the examinations associated with one or more Level II/III courses in the year of anticipated graduation may apply to the Board for Undergraduate Studies through the University Registrar for an Aegrotat pass in the course. Such an application will only be granted if all the following conditions are satisfied:
    i. The appropriate Head of Department reports that, on the basis of the candidate's performance during the period preceding the examinations, the candidate was expected to pass the examinations concerned and has satisfactorily completed any associated coursework.
    ii. The application reaches the University Registrar not later than thirty (30) days after the date of the last paper in the examination concerned.
    iii. The application is accompanied by a medical certificate attesting to the illness and issued by a medical practitioner recognised for this purpose by the University.

(b) No grade will be awarded in respect of an Aegrotat pass, and a candidate, having been awarded an Aegrotat pass, will not be allowed to re-enter the examination for the course concerned on a subsequent occasion. An Aegrotat pass may not be used to satisfy a prerequisite for other Level II/III courses.

(c) A candidate, having satisfactorily completed the degree programme, who includes Aegrotat passes in courses counted for the degree programme, will be eligible for the award of an Aegrotat degree, provided that both of the following conditions are satisfied:
   i. the courses in which the Aegrotat passes have been granted (and which need to be counted towards the award of the degree) are equivalent to no more than twenty-four (24) credits.
   ii. no more than sixteen (16) credits mentioned in c (i) above arise from courses making up the candidate's major.

(d) The Aegrotat degree will be awarded without Honours.

SUB-SECTION III – ACADEMIC FORGIVENESS POLICY

(a) Academic Forgiveness is normally applied to students who withdraw either voluntarily or because the University required them to withdraw.

(b) The Guiding Principle is that the integrity of the programme the student is expected to complete must be preserved.

(c) In the case of (a) above, that is Required to Withdraw (RTW) or Voluntary withdrawal, such students must remain out of the UWI system for a minimum of ONE year, unless they are changing Faculties.

(d) When students who have been granted academic forgiveness are re-admitted to UWI, the Dean of the Faculty will determine which courses, if any, may be used as transfer credits. The maximum number of transfer credits is 30 credits which would normally be Level 1 in accordance with Statute 47.

SECTION IV – GRADE DEFINITION AND DESCRIPTIONS

GRADE	% RANGE	GRADE POINT	GRADE DEFINITION
A+	**90 -100**	**4.3**	**Exceptional**
GRADE DESCRIPTOR: 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	**80 – 89**	**4.0**	**Outstanding**
GRADE DESCRIPTOR: 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 conceptualization which is original, innovative and/or insightful. Applies outstanding critical thinking skills			
A-	**75 - 79**	**3.7**	**Excellent**
GRADE DESCRIPTOR: 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 organizational, rhetorical and presentational skills.			
B+	**70 - 74**	**3.3**	**Very Good**
GRADE DESCRIPTOR: 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	**65 - 69**	**3.0**	**Good**
GRADE DESCRIPTOR: Demonstrates good knowledge, Rhetorical and organizational 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-	**60 - 64**	**2.7**	**Satisfactory**
GRADE DESCRIPTOR: Displays satisfactory evidence of the application of theoretical and technical knowledge to achieve the desired learning outcomes. Demonstrates sound organisational and rhetorical skills.			
C+	**55 - 59**	**2.3**	**Fair**
GRADE DESCRIPTOR: 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	**50 - 54**	**2.0**	**Acceptable**
GRADE DESCRIPTOR: 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.			
F1	**–40 -49**	**1.7**	**Unsatisfactory**
GRADE DESCRIPTOR: 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, organizational and rhetorical skills.			
F2	**–30 - 39**	**1.3**	**Weak**
GRADE DESCRIPTOR: Weak overall performance with very limited knowledge and understanding of the subject. Little evidence of theoretical and reflective insights. Weak organizational and rhetorical skills.			
F3	**0 - 29**	**0**	**Poor**
GRADE DESCRIPTOR: 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 organizational and rhetorical skills.			

SECTION V - FREQUENTLY ASKED QUESTIONS (FAQs)

FOR FACULTY OF FOOD AND AGRICULTURE STUDENTS

General FAQS for All Undergraduate Students

- **What should you do to obtain special permission to pursue additional courses beyond your maximum as a full time or part time student?**
  During the online registration period students can submit a request online to exceed the maximum credit limit. If approval is granted, the courses are added to the student's registration.

- **If a student fails a course and repeats it how does this affect their GPA?**
  Failing a course serves to depress one's GPA. You should therefore do all in your powers to avoid failing a course. If the course is repeated and passed, the grade obtained is also used in the calculation of one's GPA.

- **Are students required to attend all their lectures and tutorials within a semester?**
  Students who attend less than 75% of lectures or tutorials may be debarred from writing the final examination. Please check the course outline for the courses you are taking to ascertain if this debarment rule will apply.

- **What happens if you get sick before an exam (e.g., midterm & final exams)?**
  Have a medical report completed by a doctor and submit it to the Campus' Health Service Unit. If the medical is accepted by the Health Services Unit, then you will not be penalized. The grade AM will be assigned to the courses affected.

- **What can you do if you got sick during an exam and are unable to finish it?**
  The Invigilator will take any student complaining of feeling unwell during an examination to the Campus Health Service Unit for assessment. If the case is genuine, you will not be penalized in terms of your GPA. The grade FM will be assigned to the courses affected

- **How does a student request a course override (from Faculty/Department)?**
  Overrides must be submitted online. It is the responsibility of the student to check the Banner system to see if their override request has been approved / denied. Once approved, the student must then register for the said course(s). Please note that the Faculty personnel cannot register a student for a course, this must be done by the student him/herself.

- **How can students who get a late admission offer access academic advising?**
  By visiting the Departmental Office under which their programme resides.

- **What do you do if you have a question/issue of a financial nature?**
  Please visit the Student Accounts section at the Bursary where the matter will be sorted out.

- **Can a first-year student register for level 2 and level 3 courses as electives?**
  Students must seek permission from their Head of Department to do this, and such request will only be granted if the relevant pre-requisites are satisfied.

- **Can students pursue cross faculty majors?**
  Yes, but a formal request in writing must be made to the Assistant Registrar, Student Affairs Admissions.

- **If students pursue enough credits in any discipline will they automatically be awarded a Minor in that discipline?**
  No, this will not be automatic. The requisite forms must be competed and submitted to the Dean's Office.

- **When is a Minor declared?**
  Minors must be declared by the end of the registration period of the student's final semester. To declare a minor the student must complete the required form and submit it to the Dean's Office or send a request via e mail to the Assistant Registrar - Recruitment & Enrolment, Student Affairs (Admissions), Ms Simone Roberts at simone.roberts@sta.uwi.edu. If this is not done, and if the student does not satisfy the course/credit requirements for the requested Minor, the Minor will not be awarded. For the purposes of this regulation, the end of registration means the "Add/Drop" period.

- **Can a student pursue more than one Minor concurrently?**
  Yes. A Minor in the Faculty of Food and Agriculture comprises 15-16 credits. A student pursuing a Major can use the 10 elective courses at level II/III to pursue up to two Minors if so desired.

- **Will a student who is registered for a Major but who completes the credit requirements for a Special be awarded the Special degree?**
  Not automatically. For this to happen, a request must be submitted to change from a Major to a Special. This request must be submitted in writing to the Assistant Registrar, Student Affairs Admissions, usually at the end of the second semester of the second year.

- **What is the process to be followed to pursue and declare a Double Major?**
  Student must write to the Assistant Registrar - Recruitment & Enrolment, Student Affairs (Admissions) seeking approval to pursue a Double Major. This request must be submitted prior to the start of the final year of study.

- **How can a student change from one Department/Major after beginning a degree programme?**
  To change an option (major), a student must write to the Assistant Registrar, Student Affairs Admissions seeking approval and this must be done during the second semester of his/her first year of study.

- **If a student has a GPA below 2.0 after completing all their degree courses will he/she be awarded a degree?**
  No. In order to qualify for the award of a degree a student must:
  a. have completed a minimum of ninety (93) credits or the required total as stated in Table 3
  b. have attained a minimum GPA of 2.0 from Level II and III courses.

- **What is a Dean's hold?**
  A Dean's hold is placed on a student's record when his/her GPA is below 2.0 in a semester. At this stage the student is placed on a Warning for the next semester.

- **What does a student do if he/she is placed on a warning?**
  A student is placed on Warning when their GPA is below 2.0. To remove the Dean's hold the student must visit the Dean's Office to be advised and then the hold is removed to permit registration.

- **What is RTW status?**
  A student is placed on RTW status after two consecutive semesters of GPA below 2.0. A student on RTW status must stay out of the University system for one academic year and then apply for re-entry to the University (the application period is normally November to January for Full-time students and January to March for Evening University students).

- **When a student returns to Campus after he/she was required to withdraw will their current GPA be counted?**
  If the re-entry student registers for a new programme then the GPA record will start anew. If, on the other hand, the re-entry student continues in the programme he/she was pursuing prior to the RTW then the academic record continues.

- **What are students' options if they are required to withdraw?**
  They can seek to meet with the Dean and to outline a plan to improve their academic standing. A decision will then be made as to whether the RTW can be deferred for a semester.

- **How does the GPA affect GATE coverage for tuition?**
  A student with an OVERALL GPA of less than 2.0 will not be eligible for GATE. If the student brings the GPA up to 2.0 after Semester I, they can seek to get GATE approval for Semester II.

- **Are there circumstances in which a pre-requisite can be waived?**
  Only in compelling circumstances and only the Dean can approve such a request.

- **How does a student apply for an exemption based on courses completed at another institution of higher learning?**
  A student must complete the requisite Credit and Exemptions application form and attach the relevant course outlines from the institution where credits were attained. This request must be submitted to the Assistant Registrar, Student Affairs Admissions.

- **What is the difference between a consultation and a remarking of an examination script?**
  A consultation is a review of the script by the Examiner/Lecturer with the candidate. Consultations are only permitted to students who have failed the course. In the case of a remarking, the script is remarked by a new examiner. Marks can be changed (either up or down) and the new mark awarded becomes the final mark.

- **What steps must be taken to request a consultation or a remarking of an examination script?**
  1. A student who is dissatisfied with the results of his/her examination should report his/her dissatisfaction in writing to the Campus Registrar. Such a report must be made within two weeks of publication of results, and in the case of the Supplemental/Summer School or resit examinations within five days of the publication of results.
  2. The Campus Registrar shall forward the student's request to the Dean of the Faculty concerned.
  3. Only students who have failed a course may request consultation to go through his/her script with the Examiner; (utilizing an approved electronic teleconferencing system if necessary)
  4. Students may request to have their scripts remarked. A student who wishes to have his/her script remarked must pay a fee of Bds$125.00 or J$2000.00 or TT$375.00, or US$62.50 (according to campus) to have his/her script re-marked by a new Examiner.
  5. Where re-marking of a script 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.

- **If students pursue a foreign language that is not required for their degree at the Centre for Language and Learning (CLL) can they get credit for it to count toward their degree credits?**
  Yes, but only to satisfy elective course requirements.

- **Will Foundation courses affect a student's GPA?**
  From the 2014/2015 academic year students will be awarded grades for their Foundation courses and these will be included in the calculation of the cumulative GPA in addition to the semester GPA, which determines academic standing (Warning, RTW and Good Standing), and subsequently GATE status.

- **How many co-curricular courses/credits are students permitted to register for during their degree programmes?**
  A student can pursue a maximum of 3 co-curricular credits.

- **Do co-curricular courses/credits count towards degree requirements?**
  Co-curricular courses credits can be used to meet Level I credit requirements.

- **What co-curricular courses are offered?**
  The following co-curricular courses are available*:

LEVEL 1

Course Code	Course Title	Credits
COCR 1001	Minding SPEC: Exploring Sports, Physical Education and Health & Wellness	3
COCR 1012	Workplace Protocol for Students	3
COCR 1013	Financial Literacy and Training	3
COCR 1030	Technology Literacy	3
COCR 1033	Mind the Gap: Towards Psychological Health & Wellness	1
COCR 1034	Public Speaking and Voice Training: Towards a More Confident You	3
COCR 1036	Ethics and Integrity: Building Moral Competencies	3
COCR 1045	Foreign Language Theatre in Performance	2
COCR 1039	First Aid, CPR, AED	2
COCR 1047	Defensive Driving (Simulation)	1
COCR 1050	The Basics of Steelpan	
Microsoft Office		
COCR 1040	Microsoft Access 2016	2
COCR 1041	Microsoft Excel 2016	2
COCR 1042	Microsoft PowerPoint 2016	2
COCR 1043	Microsoft Word 2016	2

***NOTE**: All co-curricular course codes begin with COCR. Visit http://sta.uwi.edu/cocurricular/ for course descriptions, availability and registration instructions. New courses are to be introduced so keep checking the website for updates during the academic year.

- **How can you determine if you are on the right track in satisfying your degree requirements?**
  Complete the Degree Audit form at the Dean's Office and see an advisor.

- **Where can students access their time-table for each semester and for final examinations?**
  Semester timetables are available on the UWI website. Final examinations timetables are available in students' "mysta" accounts.

- **Where can students obtain their Faculty handbook?**
  Handbooks are available online at **http://sta.uwi.edu/faculty-booklet-archive**

- **Where can students access their time-table for each semester and for final examinations?**
  Semester timetables are available online at **http://www2.sta.uwi.edu/timetable/index1.html** . To access your examination schedule follow the instructions online at **https://sta.uwi.edu/examinations/schedule.asp** .

SECTION VI - REGULATIONS GOVERNING THE FFA SUMMER PROGRAMMES

The FFA generally offers remedial courses for students who are repeating laboratory-based and/or non-laboratory-based courses during the summer. The FFA may also offer a limited number of full courses that are non-laboratory-based in the summer for the first time. The maximum number of credits for which a student may register in summer is normally nine (9). In case of students repeating 6 credit courses at level I, the maximum number of credits is 12 (two courses).

1. *ELIGIBILITY FOR ADMISSION TO THE SUMMER SCHOOL PROGRAMMES*

The following categories of students are eligible for admission to the Summer School Programmes:

a. Registered students of the University who have to repeat any of the course(s) offered.

b. Registered students of the University who have not taken the course(s) previously but fall into one of the following categories:-
   - Students of the University who have not yet completed the requirements for the degree, diploma or certificate programme for which they are registered.
   - Registered UWI students from other UWI campuses.

c. Students of the University who have been granted (a) leave of absence for Semester 1 and/ or 2 preceding the Summer School Programmes, or (b) permission to write "Examinations Only".

d. Other persons, not students of the University, who are eligible to matriculate at **EITHER** the Normal **OR** Lower Level or as a mature student.

2. *APPLICATIONS*

Please check the campus website for this information.

3. *ATTENDANCE*

Minimum attendance of 75% of lectures/tutorials is required.

4. *COURSE SELECTION AND REGISTRATION*

Persons desirous of pursuing courses in the Faculty's summer programme are required to check the website at https://sta.uwi.edu/admissions/undergrad/summer_programme.asp or consult the Faculty notice boards and timetables for a list of courses being offered in the Summer School programmes before registering.

5. *LATE REGISTRATION*

a. Students may be permitted to register up to the end of the 2nd week of the start of the Summer School session on payment of an additional late registration fee of TT$150.

b. In cases where examination results for Semester II are declared after May 31, students may be permitted to register up to the end of the 2nd week from May 31.

c. Summer School students may apply for a change of registration by no later than the end of the 2nd week of the start of the Summer School session.

6. *EXAMINATIONS & COURSE LOADS*

a. Examinations for courses taught in the Summer School shall be conducted in accordance with the University Examination Regulations.

b. Summer School students shall write the University Examinations appropriate to the course(s) for which they are registered.

c. Students shall not normally be permitted to register for more than **THREE** one-semester courses (usually 9 credits) in any given Summer School session. Students are advised to check the timetable before registering.

d. Finalising students may apply, through the Faculty Dean to the Assistant Registrar Student Affairs (Admissions), to do a fourth course.

e. A student is deemed as finalising if that student has only 3 or 4 courses left to complete the degree/certificate/diploma requirement.

f. Students who are not in their final year of study may apply for permission to do a fourth course which he/she had failed at a previous sitting i.e. Semester I or Semester II no later than the 1st week of Summer School.

g. Students may request permission to carry forward coursework marks for courses pursued in Semester I and/or II to the summer programme.

h. All requests must be submitted, through the Faculty Dean, to the Assistant Registrar, Student Affairs (Admissions) before the student is allowed to register.

NOTE: REGISTRATION FOR A COURSE OFFERED IN THE SUMMER SCHOOL IMPLIES REGISTRATION FOR THE EXAMINATION OF THAT COURSE.

7. AWARD OF CREDIT/EXEMPTION

a. Credits for courses successfully completed in the Summer School shall be granted to registered students of the University including those on approved leave of absence.

b. Persons wishing to pursue a course(s) to be considered as 'Not for Credit" (NFC) must seek approval prior to registering for the course. All such requests must be made, in writing, or on the required form, to the Dean of the Faculty. Students will not subsequently have such credit altered.

c. Summer School students who have not been offered a place at the University have no automatic right of acceptance into any Faculty of the University.

d. Persons who are accepted into the University may be granted credit/exemption for courses successfully completed in the Summer School provided that five (5) years have not elapsed since the completion of the relevant course(s).

e. Students who do not satisfy normal matriculation may not use the credits gained in the Summer School for both matriculation and degree purposes.

8. APPLICATION FOR WITHDRAWAL

a. Students may withdraw from a course by notifying the Assistant Registrar (Admissions) in writing and copying the respective Faculty's Deans or Summer School coordinator. The student should clearly state the reasons for the withdrawal and complete the required application form for refund where applicable.

b. Applications for withdrawal from a course must reach the Assistant Registrar (Admissions) no later than two (2) weeks after teaching has begun. Students, who wish to withdraw from a course after the deadline date, must apply to Academic Board, through their respective Faculty Office.

9. REFUND POLICY

Students will be granted a refund of tuition fees for the relevant semester based on the time frame in which applications for LOA (Leave of Absence) or Withdrawal are made in writing to the Faculty. The Campus Refund Policy, including the Refund Schedule is available at https://sta.uwi.edu/fees/refund-policy

10. PAYMENT OF FEES

a. Part payment of fees is **NOT** allowed.
b. Fees must be paid at any branch of Republic Bank Ltd. using the bank deposit slip provided.
c. Registration in the summer session will carry a non-refundable registration fee.
d. Courses not dropped by the deadline date will be counted and the student will be billed accordingly.
e. Late registration fee/late payment penalty includes the registration fee **plus** the late registration fee/late payment penalty.

SECTION VII - PRIZES

A number of prizes are offered on an annual basis to students in the Faculty based on outstanding academic performance. The following is a list of such prizes. Note that this list is subject to alteration.

FACULTY PRIZES

These prizes are awarded to all First Class Honour students within the Faculty by the Office of the Dean.

DEPARTMENTAL PRIZES

DEPARTMENT OF AGRICULTURAL ECONOMICS & EXTENSION

THE HEAD OF DEPARTMENT PRIZE
Awarded for the best performance in Agribusiness Management: Year I

THE HEAD OF DEPARTMENT PRIZE
Awarded for the best performance in Human Ecology:
Year I

THE HEAD OF DEPARTMENT PRIZE
Awarded for the best performance in Human Nutrition and Dietetics: Year I

THE HEAD OF DEPARTMENT PRIZE
Awarded for the best performance in Agribusiness Management: Year II

THE HEAD OF DEPARTMENT PRIZE
Awarded for the best performance in Human Ecology:
Year II

THE HEAD OF DEPARTMENT PRIZE
Awarded for the best performance in Human Nutrition and Dietetics: Year II

THE HEADOF DEPARTMENT PRIZE
Awarded for the best performance in Entrepreneurship

THE JOE PIRES MEMORIAL PRIZE
(formerly THE CARIBBEAN CHEMICALS & AGENCIES LTD)
Awarded for the best performance in Agricultural Extension: Years II & III

THE DR SUNNEY D. ALEXIS & COLLETTE LEWIS-JAMES MEMORIAL PRIZE
Awarded for the best performance in BSc Human Nutrition and Dietetics: Year III

THE HUMAN NUTRITION & DIETETICS PRIZE
Awarded for the best final year project demonstrating excellence in Human Nutrition & Dietetics: Year III

THE INTER-AMERICAN INSTITUTE FOR COOPERATION ON AGRICULTURE (IICA) AWARD PRIZE
Awarded for the best final year project demonstrating excellence in Agribusiness Management: Year III

THE MARKETING & DISTRIBUTION PRIZE
Awarded for the best performance in Marketing: Year III

THE NUTRITIONAL SCIENCES PRIZE
Awarded for the best performance in the Major in Nutritional Sciences

THE AGRIBUSINESS MAJOR PRIZE
Awarded for best performance for the Major in Agribusiness over Years II and III

THE ALUMNI ASSOCIATION PRIZE
Awarded for the best performance in BSc Human Ecology: Year III

THE ENTREPRENEURSHIP MAJOR PRIZE
Awarded for the best performance for the Major in Entrepreneurship over Years II and III

THE WAYNE GANPAT PRIZE
Awarded for the best final year project demonstrating excellence in Agricultural

DEPARTMENT OF FOOD PRODUCTION

THE HEAD OF DEPARTMENT PRIZE
Awarded for the best performance in the BSc Agriculture: Year I

THE HEAD OF DEPARTMENT PRIZE
Awarded for the best performance in the BSc Agriculture: Year II

THE PROFESSOR RICHARD A.I. BRATHWAITE PRIZE:
Awarded for the best performance in the BSc Agriculture: Year III

THE HEAD OF DEPARTMENT PRIZE
Awarded for the best performance in Agricultural Technology Major: Year I

THE HEAD OF DEPARTMENT PRIZE
Awarded for the best performance in Agricultural Technology Major: Year II

THE HEAD OF DEPARTMENT PRIZE
Awarded for the best performance in Agricultural Technology Major: Year III

THE HEAD OF DEPARTMENT PRIZE
Awarded for the best performance in Tropical Landscaping Major: Year I

THE HEAD OF DEPARTMENT PRIZE
Awarded for the best performance in Tropical Landscaping Major: Year II

THE HEAD OF DEPARTMENT PRIZE
Awarded for the best performance in Tropical Landscaping Major: Year III

THE FREDERICK HARDY PRIZE
Awarded to the Part III student who obtains the highest marks in courses taken in Soil Science at the Parts II and III examinations including the Project.

THE INTER-AMERICAN INSTITUTE FOR COOPERATION ON AGRICULTURE (IICA) PRIZE
Awarded for the best final year project demonstrating excellence in Commodity Utilization: Year III

THE PRINCIPAL'S PRIZE
Awarded for the best performance in BSc Agriculture over Years I - III

THE S. NORMAN GIRWAR AWARD FOR EXCELLENCE
An award in honour of the late Mr S. Norman Girwar. Awarded to the academically excellent student for the best final year undergraduate project in the Department of Food Production.

THE W.E. FREEMAN PRIZE
Awarded to the best undergraduate final year project in Cocoa and is a joint Faculty of Food and Agriculture/Faculty of Science and Technology prize.

THE THOMPSON, BADRIE-MAHARAJ & ASSOCIATES ATTORNEYS AT LAW PRIZE
Awarded to the best final year undergraduate project either in microbiology or food safety in the Faculty of Food and Agriculture.

THE GARDEN CLUB OF TRINIDAD AND TOBAGO PRIZE
Awarded to the best practical paper on a Horticulture related topic

TECU CREDIT UNION PRIZE
Awarded for the best performance in Tropical Landscaping Major: Year I

THE PROFESSOR LAWRENCE A. WILSON PRIZE
Awarded for the best undergraduate final year project in post-production technology

THE PROFESSOR GARY WAYNE GARCIA LIVESTOCK PRIZE
Awarded for the best graduating student in Livestock Science

THE AGRICULTURAL DEVELOPMENT BANK PRIZE
Awarded for the best Livestock Project

SPECIAL PRIZES
THE CURRIE MEMORIAL PRIZE
Awarded to the student who excelled in extracurricular activities subject to satisfactory academic performance.

T.P. LECKY AWARD - *Challenge Trophy donated by the Caribbean Agricultural Research and Development Institute (CARDI).*
Awarded for the best performance in all degrees in the Faculty of Food and Agriculture over years I to III

DEPARTMENT OF GEOGRAPHY

THE HEAD OF DEPARTMENT PRIZE
Awarded for the best performance in Geography: Year I

THE HEAD OF DEPARTMENT PRIZE
Awarded for the best performance in Geography: Year II

CIC INSURANCE BROKERS LTD. PRIZE
Awarded for the best final year Geography Project

THE EXIM BANK PRIZE
Awarded to the best graduating student In Geography

THE HEAD OF DEPARTMENT PRIZE
Awarded for the best performance in Geography: Year III

SECTION VIII - APPROVED SCIENCE CAPE/GCE A LEVEL SUBJECTS

- Agricultural Science
- Food and Nutrition
- Biology
- Botany
- Chemistry
- Computer Science
- Environmental Science
- Geography
- Geology
- Information Technology
- Applied Mathematics
- Further Mathematics
- Pure Mathematics
- Mathematics
- Physics
- Zoology

SECTION VII – PREREQUISITE LISTING FOR CROSS FACULTY COURSES

BANNER CODE	COURSE TITLE	FSS PREREQUISITES	FFA BSc AGRIBUSINESS MANAGEMENT PREREQUISITES	FFA MAJOR IN AGRIBUSINESS
ACCT 1002	Introduction to Financial Accounting	NONE	NONE	This course is Not offered to these students
ACCT 1003	Introduction to Cost and Managerial Accounting	NONE	NONE	This course is Not offered to these students
ACCT 2017	Management Accounting	ACCT 1002 and ACCT 1003	ACCT 1002 and ACCT 1003	This course is Not offered to these students
ECON 2000	Intermediate Micro-economics I	ECON 1001, ECON 1002 and ECON 1003	AGBU 1005 OR ECON 1001 AND AGRI 1003 AND AGBU 1006 OR ECON 1002	AGBU 1005 OR ECON 1001 AND AGRI 1003 OR ECON 1003 and AGBU 1006 OR ECON 1002
MGMT 2003	Principles of Marketing	ACCT 1002 and ECON 1001	ACCT 1002 and ECON 1001 or AGBU 1005	ACCT 1002 and ECON 1001 or AGBU 1005
MGMT 2006	Management Information Systems I	NONE	NONE	This course is Not offered to these students
MGMT 2008	Organizational Behaviour	SOCI 1002 or MGMT 1001	MGMT 1001 or SOCI 1002 or AGEX 1000	This course is Not offered to these students
MGMT 2010	Introduction to Sport Management	NONE	NONE	This course is Not offered to these students
MGMT 2021	Business Law	NONE	NONE	This course is Not offered to these students
MGMT 2022	The Law and Sports	MGMT 2010 and normally open to students pursuing the Sports Management Minor	This course is Not offered to these students	This course is Not offered to these students
MGMT 2023	Financial Management I	ACCT 1002 and ECON 1003	ACCT 1002 and ECON 1003 OR AGRI 1003	ACCT 1002 and ECON 1003 OR AGRI 1003
MGMT 3017	Human Resource Management	MGMT 2008	MGMT 2008	This course is Not offered to these students
MGMT 3030	Small Business Management	MGMT 2008, MGMT 2003 and MGMT 2023	MGMT 2008 and MGMT 2003 and MGMT 2023	This course is Not offered to these students
PSYC 1004	Introduction to Social Psychology	NONE	NONE	This course is Not offered to these students
PSYC 2011	Selected Theories in Social Psychology	PSYC 1003 OR PSYC 1004	This course is Not offered to these students	This course is Not offered to these students
PSYC 2012	Developmental Psychology	PSYC 1003 OR PSYC 1004	This course is Not offered to these students	This course is Not offered to these students
SOCI 3005	Sociology of Health and Illness	SOCI 1002 or SOCI 1000 and SOCI 2000 or SOCI 2001	AGEX 1000 and SOCI 2000 or SOCI 2001	This course is Not offered to these students

BANNER CODE	TITLE	FFA B.SC. HUMAN NUTRITION & DIETETICS PREREQUISITES	FFA MAJOR IN FOODS & FOOD SERVICE MANAGEMENT PREREQUISITES	FFA MINOR IN ENTREPRENEURSHIP PREREQUISITES	FFA MINOR IN SPORTS NUTRITION PREREQUISITES
ACCT 1002	Introduction to Financial Accounting	NONE	NONE	This course is Not offered to these students	This course is Not offered to these students
ACCT 1003	Introduction to Cost and Managerial Accounting	NONE	This course is Not offered to these students	This course is Not offered to these students	This course is Not offered to these students
ACCT 2017	Management Accounting	This course is Not offered to these students	This course is Not offered to these students	This course is Not offered to these students	This course is Not offered to these students
ECON 2000	Intermediate Micro-economics I	This course is Not offered to these students	This course is Not offered to these students	This course is Not offered to these students	This course is Not offered to these students
MGMT 2003	Principles of Marketing	ACCT 1002 and ECON 1001 or AGBU 1005	ACCT 1002 and ECON 1001 or AGBU 1005	This course is Not offered to these students	This course is Not offered to these students
MGMT 2006	Management Information Systems I	This course is Not offered to these students	This course is Not offered to these students	This course is Not offered to these students	This course is Not offered to these students
MGMT 2008	Organizational Behaviour	MGMT 1001 or SOCI 1002 OR AGEX 1000 or HUEC 1003	MGMT 1001 or SOCI 1002 or AGEX 1000 or HUEC 1003	This course is Not offered to these students	This course is Not offered to these students
MGMT 2010	Introduction to Sport Management	This course is Not offered to these students	This course is Not offered to these students	This course is Not offered to these students	NONE
MGMT 2021	Business Law	This course is Not offered to these students	This course is Not offered to these students	NONE	This course is Not offered to these students
MGMT 2022	The Law and Sports	This course is Not offered to these students	This course is Not offered to these students	This course is Not offered to these students	MGMT 2010
MGMT 2023	Financial Management I	This course is Not offered to these students	This course is Not offered to these students	This course is Not offered to these students	This course is Not offered to these students
MGMT 3017	Human Resource Management	This course is Not offered to these students	This course is Not offered to these students	This course is Not offered to these students	This course is Not offered to these students
MGMT 3030	Small Business Management	This course is Not offered to these students	This course is Not offered to these students	This course is Not offered to these students	This course is Not offered to these students
PSYC 1004	Introduction to Social Psychology	NONE	This course is Not offered to these students	This course is Not offered to these students	This course is Not offered to these students
PSYC 2011	Selected Theories in Social Psychology	PSYC 1003 OR PSYC 1004	This course is Not offered to these students	This course is Not offered to these students	This course is Not offered to these students
PSYC 2012	Developmental Psychology	PSYC 1003 OR PSYC 1004	This course is Not offered to these students	This course is Not offered to these students	This course is Not offered to these students
SOCI 3005	Sociology of Health and Illness	AGEX 1000 and SOCI 2000 or SOCI 2001	This course is Not offered to these students	This course is Not offered to these students	This course is Not offered to these students

SECTION IX - APPLY FOR SCHOLARSHIPS AND BURSARIES AT UWI ST. AUGUSTINE

There are more than 350 scholarships and bursaries available to both new and continuing students of the St. Augustine Campus each year. Some ***scholarships*** are renewable based on performance and range in value from TT$5,000 to TT$ 30,000 per year. A ***bursary*** is held for one academic year and may range in value from TT$5,000 to TT $15,000.

Who Can Apply?
Applications to UWI St. Augustine Campus Scholarships & Bursaries are open to all Full-time Undergraduate Degree students ONLY. Each award is based on different criteria which is determined by the donor in collaboration with the UWI. Eligibility criteria may include Academic Merit/Performance, Co/Extra-Curricular activities, and/or Financial Need. Some awards are available to regional students, while others are available to Trinidad & Tobago nationals. Some awards are also based on membership in associations, institutions and residential location.

We encourage all eligible students, particularly those in tight or already difficult financial circumstances, to visit **www.sta.uwi.edu/scholarships** and download the latest Scholarships and Bursaries booklet, to see if you qualify for any of the opportunities listed.

When to Apply
Continuing students must apply between January – May each year. New students must apply after completing the Registration process in the month of September. Look out for ads in the press or via online platforms for exact deadline dates. Awards are typically disbursed to returning students in October and in November for new students.

For further information, contact:
Financial Advisory Services, Division of Student Services and Development
E: **UGbursaries@sta.uwi.edu**
T: (868)-662-2002 ext. 84185 / 82360 / 2100

SECTION X – THE CAMPUS LIBRARIES

THE UNIVERSITY OF THE WEST INDIES
ST. AUGUSTINE CAMPUS

The Campus Libraries support the teaching, learning and research activities of The University of the West Indies (UWI), St. Augustine Campus (STA) community. These libraries include:

- The Alma Jordan Library
- The Medical Sciences Library
- The Norman Girvan Library
- The Republic Bank Library and Information Resource Centre
- The School of Education Library
- The Patience-Theunissen Memorial Library, and
- The Seismic Research Centre Library.

Resources for Students
Each Library's website https://libraries.sta.uwi.edu/ is the gateway to discovering the Library's comprehensive print and electronic collections. Indeed, via the Library's website, students can access, from on and off campus, hundreds of scholarly databases, with the most specialised and up-to-date information spanning several subject areas relevant to the Faculties of Engineering, Food and Agriculture, Humanities and Education, Law, Medical Sciences, Science and Technology, Social Sciences, the Institute of International Relations and The Arthur Lok Jack Global School of Business. Our wide-ranging collection is available in the following formats:

- electronic - 261 databases, 71,921 e-journals and 62,149 e-books
- print - over 500,000 monographs and 15,000 journal titles, and
- multimedia resources.

Moreover, a sizeable body of Caribbean research may be accessed from maps, newspapers, theses and over 130 special collections in the West Indiana and Special Collections Division. The Institutional Repository (UWISpace) contains amongst other content, abstracts of UWI theses and dissertations, as well as publications by the University Community. A recent initiative aimed at supporting the scholarly output at The UWI resulted in the development of the UWIScholar platform https://uwischolar.sta.uwi.edu , a research information management system designed to aggregate UWI's research information, build reports, manage researcher profiles and enable research networking and expertise discovery.

Other Library Services:

- Research Support via Research Consultation, Reference Assistance, Interlibrary Loan/Document Delivery and Dissertation/Thesis Checking. Students can arrange for consultation sessions that focus on improving search strategies and citation skills.
- Orientation Tours and Information Literacy Sessions which introduce students to the Libraries' facilities, resources and services.
- Support Services and Facilities such as audio-visual, computing services, photocopying and printing facilities, as well as areas for quiet study and seminars.

Please refer to the Library's website or contact your Faculty Liaison Librarian listed below for further information.

Ms Joy Smith
Faculty Liaison Librarian (Food and Agriculture & Science and Technology)
Science and Agriculture Division, Floor 2
The Alma Jordan Library
Tel.: 662 2002, ext. 83596, 83359
Fax: 662-9238
E-mail: joy.smith@sta.uwi.edu
Alma Jordan Library: http://libraries.sta.uwi.edu/ajl

SECTION XI - STUDENT LIFE AND DEVELOPMENT DEPARTMENT (SLDD)

The Department is the first and most important stop for high quality academic support for the diverse populations of students throughout The University including full-time, part– time and evening and mature students, international and regional students, student athletes and students with special needs (disabilities and medical conditions).

The Department now provides the following services:

- Disability Support
- Academic Support
- International and Regional Student Support
- Postgraduate and Mature Student Support

a. Support Services for STUDENTS WITH SPECIAL NEEDS (Temporary and Permanent)

- Provision of aids and devices such as laptops, USB drives, tape recorders and special software
- Special accommodation for examinations –mid-term and final
- Classroom accommodations
- Liaison with faculties and departments, Deans, HODs, Lecturers
- Special arrangements for accessible parking
- Support Group

Students with special needs should make contact before or during registration. Every effort will be made to facilitate your on-campus requirements in terms of mobility, accommodation, coursework, examinations, and other areas. No student of The UWI will be discriminated against on the basis of having special needs. Sharing your needs before registration will enable us to serve you better as a member of the Campus Community.

b. Academic Support Services for ALL STUDENTS

- Educational Assessment – LADS (dyslexia) – LASSI (Study Skills)
- Time Management
- Examination Strategies
- Workload Management
- Study Skills
- Peer Tutoring
- Peer-Pairing

c. How do I register at SLDD?

- Visit or call the SLDD to make an appointment to meet the Manager/relevant staff.
- Complete the required registration form
- Students with disabilities and medical conditions must submit a medical report with condition and recommendations for accommodations from a qualified medical professional
- An assessment of the student's needs will be conducted
- The required assistance will be provided

All Students experiencing academic challenges should communicate with **Dr Jacqueline Huggins**, Manager, Student Life and Development Department (SLDD), Heart Ease Building, Heart Ease Car Park, Wooding Drive, St. Augustine Campus
Tel: 662-2002 Ext. 83866, 83921, 83923, 84254. OR 645-7526
Hours: 8:30 am- 4:30 pm, Monday to Friday
Email: **sldd@sta.uwi.edu**

Registration forms are available at the office or from the website at **https://sta.uwi.edu/dssd/student-life-and-development-department**

SECTION XII - STUDENT EXCHANGE & STUDY ABROAD

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 exchanges are available to undergraduate and postgraduate students which are:

Exchange Students – from one semester to one-year duration.
Study tours through the "UWI Discover's" programme – for one to two weeks.
Visiting Students – for postgraduate students doing research on invitation by overseas institution.

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: **http://sta.uwi.edu/internationaloffice/** or visit our Facebook Page for the latest news on mobility opportunities at: **https://www.facebook.com/UWIInternationalOffice/**, or contact:

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

Aleksei Henry (Inbound Mobility Coordinator)
International Office
The University of the West Indies, St. Augustine Campus
Trinidad & Tobago, West Indies
Email: **incoming.mobility@sta.uwi.edu**
Phone: +1(868) 662-2002 ext. 84206/ Direct: +1(868) 224-3708

Afiya Francis (Study Tours Coordinator)
Study Tours & International Recruitment
International Office
The University of the West Indies, St. Augustine Campus
Trinidad & Tobago, West Indies
Email: **discover@sta.uwi.edu**
Phone: +1(868) 662-2002 ext. 84280/ Direct: +1(868) 224-3707

Evelyn Ferreira (Manager, International Office)
Email: **evelyn.ferreira@sta.uwi.edu** or **internationaloffice@sta.uwi.edu**
Phone: +1(868) 662-2002 ext. 84151/ Direct: +1(868) 224-3708

SECTION XIII - UNIVERSITY REGULATIONS ON PLAGIARISM

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.

Definition of plagiarism

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, for example:

a. The unacknowledged use is required for conformity with presentation standards;
b. The task set or undertaken is one of translation of the work of another into a different language or format;
c. The task set or undertaken requires producing a result by teamwork for joint credit regardless of the level of individual contribution;
d. The task set or undertaken requires extensive adaptation of models within a time period of such brevity as to exclude extensive attribution;
e. 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 It is not a justification under Regulations 2 and 3 for the unacknowledged use of the words, ideas and creations of another that the user enjoys the right of use of those words, ideas and creations as a matter of intellectual property.

Other definitions

5 In these Regulations,
"Chairman" means the Chairman of the relevant Campus Committee on Examinations;
Examination Regulations" means the Examination and other forms of Assessment Regulations for First Degrees Associate Degrees Diplomas and Certificates of the University;
"set of facts" means a fact or combination of facts.

Evidence of plagiarism

6 In order to constitute evidence of plagiarism under these Regulations, there shall be identified as a minimum the passage or passages in the student's work which 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 taken.

Student Statement on Plagiarism

7 When a student submits for examination work under Regulation 1, the student shall sign a statement, in such form as the Campus Registrar may prescribe, that as far as possible the work submitted is free of plagiarism including unattributed quotation or paraphrase of the work of another except where justified under Regulation 3.

8 Quotation or paraphrase is attributed for the purpose of Regulation 7 if the writer has indicated using conventions appropriate to the discipline that the work is not the writer's own.

9 The University is not prohibited from proceeding with a charge of plagiarism where there is no statement as prescribed under Regulation 7.

Electronic vetting for plagiarism

10 The results of any electronic vetting although capable, where the requirements of Regulation 7 are satisfied, of constituting evidence under these Regulations, are not thereby conclusive of any question as to whether or not plagiarism exists.

Level 1 plagiarism

11 In work submitted for examination where the Examiner is satisfied that Level 1 plagiarism has been committed, he/she shall penalise the student by reducing the mark which would have otherwise been awarded taking into account any relevant Faculty regulations.

Level 2 plagiarism

12 Where an examiner has evidence of Level 2 plagiarism in the material being examined, that examiner shall report it to the Head of Department or the Dean and may at any time provide the Registrar with a copy of that report. In cases where the examiner and the Dean are one and the same, the report shall be referred to the Head of the Department and also to the Campus Registrar.

13 Where any other person who in the course of duty sees material being examined which he or she believes is evidence of Level 2 plagiarism that other person may report it to the Head of Department or the Dean and may at any time report it to the Campus Registrar who shall take such action as may be appropriate.

14 Where a Dean or Head of Department receives a report either under Regulation 12 or 13, the Dean or Head of Department, as the case may be, shall

a. where in concurrence with the report's identification of evidence of Level 2 plagiarism, report the matter to the Campus Registrar; or
b. where not concurring in the identification of evidence of plagiarism, reply to the examiner declining to proceed further on the report; or
c. where concluding that there is evidence of Level 1 plagiarism, reply to the examiner indicating that conclusion and the Examiner shall proceed as under Regulation 11.

15 Where a report is made to the Campus Registrar under Regulation 14a or 16, the Campus Registrar shall lay a charge and refer the matter to the Campus Committee on Examinations.

16 Where the Campus Registrar receives a report alleging Level 2 plagiarism from the Examiner or any other person except the Dean or Head of Department, the Campus Registrar shall refer the matter to a senior academic to determine whether there is sufficient evidence to ground a charge of plagiarism and where such evidence is found, the Campus Registrar shall proceed as under Regulation 15.

17 Where the matter has been referred to the Campus Committee on Examinations pursuant to Regulation 15, the proceedings under these Regulations prevail, over any other disciplinary proceedings within the University initiated against the student based on the same facts and, without prejudice to Regulation 21, any other such disciplinary proceedings shall be stayed, subject to being reopened.

18 If the Campus Committee on Examinations 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 Level 2 plagiarism.

19 Where the Campus Committee is of the view that the appropriate penalty for an offence of Level 2 plagiarism is for the student to be:

(i) awarded a fail mark;
(ii) excluded from some or all further examinations of the University for such period as it may determine;
(iii) be dismissed from the University,

it shall make such recommendation to the Academic Board.

Clearance on a charge of Level 2 plagiarism

20 A determination of the Campus Committee on Examinations that Level 2 plagiarism has not been found will be reported to the Campus Registrar who shall refer it to the Examiner and notify the student. Where the Committee has not identified Level 2 but has identified Level 1, it shall be reported to the Campus Registrar who shall refer it to the examiner.

Level 2 plagiarism: Appeal to the Senate

21 A student may appeal to the Senate from any decision against him or her on a charge of plagiarism made by Academic Board.

Delegation by Dean or Head of Department

22 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.

Conflict of interest disqualification

23 Any person who has at any time been an examiner of work or been involved in procedures for laying charges in relation to which an issue of plagiarism is being considered under these Regulations shall withdraw from performing any functions under these Regulations other than those of supervisor and examiner.

PLAGIARISM DECLARATION

THE UNIVERSITY OF THE WEST INDIES

The Office of the Board for Undergraduate Studies

INDIVIDUAL PLAGIARISM DECLARATION

STUDENT ID:

COURSE TITLE:

COURSE CODE:

TITLE OF ASSIGNMENT:

This declaration is being made in accordance with the **University Regulations on Plagiarism (First Degrees, Diplomas and Certificates**) and must be attached to all work, submitted by a student to be assessed in partial or complete fulfilment of the course requirement(s), other than work submitted in an invigilated examination.

STATEMENT

1. I have read the Plagiarism Regulations as set out in the Faculty or Open Campus Student Handbook and on University websites related to the submission of coursework for assessment.

2. I declare that I understand that plagiarism is a serious academic offence for which the University may impose severe penalties.

3. I declare that the submitted work indicated above is my own work, except where duly acknowledged and referenced and does not contain any plagiarized material.

4. I also declare that this work has not been previously submitted for credit either in its entirety or in part within the UWI or elsewhere. Where work was previously submitted, permission has been granted by my Supervisor/Lecturer/Instructor as reflected by the attached Accountability Statement.

5. I understand that I may be required to submit the work in electronic form and accept that the University may subject the work to a computer-based similarity detention service.

NAME _____

SIGNATURE _____

DATE _____

GROUP PLAGIARISM DECLARATION

COURSE TITLE:

COURSE CODE:

TITLE OF ASSIGNMENT:

When submitting a group assignment for assessment each member of the group will be required to sign the following declaration of ownership which will appear on the coursework submission sheet.

We the undersigned declare that:

1. We have read the Plagiarism Regulations as set out in the Faculty or Open Campus Student Handbook and on University websites related to the submission of coursework for assessment.

2. We declare that I understand that plagiarism is a serious academic offence for which the University may impose severe penalties.

3. The submitted work indicated above is our own work, except where duly acknowledged and referenced.

4. This work has not been previously submitted for credit either in its entirety or in part within the UWI or elsewhere. Where work was previously submitted, permission has been granted by our Supervisor/Lecturer/Instructor as reflected by the attached Accountability Statement.

5. We understand that we may be required to submit the work in electronic form and accept that the University may check the originality of the work using a computer-based similarity detention service.

NAME _____

SIGNATURE _____

NAME _____

SIGNATURE _____

NAME _____

SIGNATURE _____

DATE _____

ADDITIONAL ACCOUNTABILITY STATEMENT WHERE WORK HAS BEEN PREVIOUSLY SUBMITTED

1. I/We have set out in an attached statement the details regarding the circumstances under which this paper or parts thereof has been previously submitted.

2. I/We have received written permission from my Supervisor/Lecturer/Instructor regarding the submission of this paper and I have attached a copy of that written permission to this statement.

3. I/We hereby declare that the submission of this paper is in keeping with the permission granted.

NAME _____

SIGNATURE _____

DATE _____

SECTION XIV – DEGREE PROGRAMME OUTLINES

DEPARTMENT OF AGRICULTURAL ECONOMICS AND EXTENSION

BSC SPECIAL, MAJORS & MINORS OFFERED BY THE DEPARTMENT:

A The Agribusiness Programme

1. The BSc Agribusiness Management (sp)

2. BSc
   a) Major in Agribusiness
   b) Major in Entrepreneurship
   c) Minor in Entrepreneurship

B. The Human Ecology Programme

1. BSc Human Nutrition and Dietetics (sp)

2. BSc.
   a) Major in Family and Consumer Sciences
   b) Major in Nutritional Sciences
   c) Major in Foods and Foodservice System Management
   d) Minor in Sports Nutrition

3. Diploma in Institutional and Community Dietetics and Nutrition

4 Certificate in Human Ecology (See SECTION XVI – CERTIFICATES & DIPLOMAS

C. The Extension and Communication Programme

1. BSc
   a) Major in Agricultural Extension*
   b) Minor in Communication and Extension

*Can only be offered if it meets minimum student registration quantity

A. THE AGRIBUSINESS PROGRAMME

BSc Agribusiness Management (sp)

The BSc Agribusiness Management degree comprises 88 credits of core courses plus 6 credits of electives from the approved list, 4 credits of practical skills, 4 credits of internship and 9 credits of Foundation courses (FOUN 1101, FOUN 1105, FOUN 1301. (Total 111 credits).

COURSE LISTING

SECTION A (CORE COURSES)

LEVEL I
SEMESTER 1

Course Code	Course Title	Credits
ACCT 1002	Introduction to Financial Accounting	3
AGEX 1003	Development Of Caribbean Agriculture	3
AGBU 1005	Introduction to Microeconomics	3
AGRI 1003	Mathematics for Scientists	3
Total Credits		**12**

LEVEL I
SEMESTER 2

Course Code	Course Title	Credits
ACCT 1003	Introduction to Cost & Management Accounting	3
AGBU 1002	Introduction to Agro-environmental Management	4
AGBU 1006	Macroeconomic Fundamentals for Caribbean Agriculture	3
AGRI 1010	Introduction to Crop and Livestock Production	4
COMP 1011	Introduction to Information Technology	3
Total Credits		**17**

LEVEL I
SEMESTER 3

Course Code	Course Title	Credits
AGRI 1100	Practical Techniques and Tools in Agriculture	4

LEVEL II
SEMESTER 1

Course Code	Course Title	Credits
ACCT 2017	Management Accounting	3
AGBU 2000	Agriculture in the Economy	4
AGBU 2002	Management & Economics of Agricultural Production & Marketing	4
MGMT 2021	Business Law	3
Total Credits		**14**

LEVEL II
SEMESTER 2

Course Code	Course Title	Credits
AGBU 2003	Applied Statistics	3
MGMT 2023	Financial Management I	3
MGMT 2006	Management of Information Systems I	3
MGMT 2008	Organisational Behaviour	3
MKTG 2001	Principles of Marketing	3
Total Credits		**15**

LEVEL III
SEMESTER 1

Course Code	Course Title	Credits
AGBU 3001	Marketing and Price Analysis	4
AGBU 3006	Agricultural Project Appraisal & Implementation	4
AGBU 3012	Research Project*	4
MGMT 3017	Human Resource Management	3
Total Credits		**15**

LEVEL III
SEMESTER 2

Course Code	Course Title	Credits
AGBU 3000	Farm Business Management	4
AGBU 3002	International Marketing of Agricultural Products	4
AGBU 3005	Introduction to Quantitative Methods in Economics	3
AGBU 3007	New Venture Creation and Management	4
AGBU 3012	Research Project*	4
Total Credits		**15/19**

LEVEL III
SEMESTER 3

Course Code	Course Title	Credits
AGBU 3008	Internship *(to be taken in Year II)*	4

NOTE: AGBU 3012 will be offered in Semesters I and II. Students will be examined at the end of the semester in which they are registered.

SECTION B (ELECTIVES) (AT LEAST SIX (6) CREDITS FROM THE FOLLOWING COURSES)
LEVEL II & III
SEMESTER 1

Course Code	Course Title	Credits
AGBU 3010	Environmental Economics**	4
AGCP 3004	Introduction to Floriculture	3
AGEX 3004	Communication Skills for Professionals	3
AGLS 3000	Poultry Production	3
ECON 2000	Intermediate Microeconomics I	3
MGMT 3030	Small Business Management	3
MGMT 3011	Management Information Systems II Analysis and Design	3

**** This course will not be offered in 2020/2021.**

LEVEL II & III
SEMESTER 2

Course Code	Course Title	Credits
AGBU 3003	Introduction to Ecotourism: Product Design & Management	4
AGBU 3004	Agricultural Finance & Farm Credit	3
AGBU 3009	International Trade Policy and Regulations	3
AGEX 3000	Technology Transfer in Agriculture	3
AGLS 3000	Poultry Production	3
HUEC 2009	Family Resource Management	3
HUEC 3007	Law and the Family	3
MGMT 2007	Introduction to E-commerce	3
MGMT 3032	Entrepreneurial Studies	3

NOTE (A):
Students who intend to pursue an **MSc in Agricultural Economics/Agribusiness** are advised that the Elective Course, ECON 2000, Intermediate Microeconomics I, would be an asset.

BSc Major in Agribusiness

The major comprises 32-34 credits of advanced courses (Levels II & III), distributed according to the following areas of specialisation:

Agribusiness Courses –	20 Credits
Quantitative Courses –	3 Credits
Communication Courses –	3 Credits
Electives –	6 - 8 Credits

Additionally, a total of 23 credits of Level I prerequisites are required as indicated below.

The Major in Agribusiness comprises:

- All Courses in Section A (Core Courses) and
- At least six (6) credits from courses listed in Section B (Electives).

Students must also ensure that they satisfy prerequisite requirements as listed below.

COURSE LISTING

PREREQUISITES

LEVEL I

SEMESTER 1

Course Code	Course Title	Credits
AGBU 1005	Introduction to Microeconomics	3
AGRI 1003	Mathematics for Scientists	3
AGEX 1003	Development of Caribbean Agriculture	3
Total Credits		**9**

LEVEL I

SEMESTER 2

Course Code	Course Title	Credits
AGBU 1006	Macroeconomic Fundamentals for Caribbean Agriculture	3
AGRI 1010	Introduction to Crop and Livestock Production	4
COMP 1011	Introduction to Information Technology	3
Total Credits		**10**

LEVEL I

SEMESTER 3

Course Code	Course Title	Credits
AGRI 1100	Practical Techniques and Tools in Agriculture	4

SECTION A (CORE COURSES)

LEVEL II/III

SEMESTER 1

Course Code	Course Title	Credits
AGBU 2002	Management & Economics of Agriculture Production & Marketing	4
AGBU 3001	Marketing and Price Analysis	4
AGEX 3004	Communication Skills for Professionals	3
Total Credits		**11**

LEVEL II/III

SEMESTER 2

Course Code	Course Title	Credits
AGBU 2003	Applied Statistics	3
AGBU 3000	Farm Business Management	4
AGBU 3002	International Marketing of Agricultural Products	4
AGBU 3007	New Venture Creation and Management	4
Total Credits		**15**

SECTION B (ELECTIVES) (SELECT AT LEAST SIX (6) CREDITS)
LEVEL II & III
SEMESTER 1

Course Code	Course Title	Credits
AGBU 2000	Agriculture in the Economy	4
AGBU 3006	Agricultural Project Appraisal and Implementation	4
AGBU 3012	Project*	4
MGMT 2023	Financial Management I**	3

LEVEL II & III
SEMESTER 2

Course Code	Course Title	Credits
AGBU 3003	Introduction to Ecotourism: Product Design & Management	4
AGBU 3005	Introduction to Quantitative Methods in Economics	3
AGBU 3009	International Trade Policy and Regulations	3
MKTG 2001	Principles of Marketing**	3
AGBU3012	Project*	4
HUEC 2009	Family Resource Management	3
HUEC 3007	Law and the Family	3

* **NOTE: AGBU 3012 will be offered in Semesters I and II. Students will be examined at the end of the semester in which they are registered.**
**If not pursuing the Major in Management Studies

BSc Major in Entrepreneurship

The major in Entrepreneurship is composed of 15 compulsory Year 1 credits and 30 Year 2 and 3 credits comprised of 24 core course credits and 6 elective credits. Students choosing this major should not enrol for the existing minor in Entrepreneurship. Students enrolled in this major can pursue a single major, a double major or combine it with one or two minors.

COURSE LISTING

PREREQUISITES
LEVEL I
SEMESTER 1

Course Code	Course Title	Credits
ACCT 1002	Introduction to Financial Accounting	3
AGRI 1003	Mathematics for Scientists	3
AGBU 1005	Introduction to Microeconomics	3
Total Credits		**9**

LEVEL I
SEMESTER 2

Course Code	Course Title	Credits
AGBU 1006	Macroeconomic Fundamentals for Caribbean Agriculture	3
ENTR 1001	Introduction to Entrepreneurship, Creativity and Problem Solving	3
Total Credits		**6**

SECTION A (Core Courses)
LEVEL II
SEMESTER 1

Course Code	Course Title	Credits
ENTR 2000	ICT Applications for Business	3
ENTR 2003	Entrepreneurial Law	3
Total Credits		**6**

LEVEL II
SEMESTER 2

Course Code	Course Title	Credits
ENTR 2001	Introduction to Innovation and Decision Making	3
ENTR 2002	Entrepreneurial Business Planning	3
Total Credits		**6**

LEVEL III
SEMESTER 1

Course Code	Course Title	Credits
ENTR 3000	Export Market Case Studies and Practice	3
ENTR 3001	Entrepreneurial Marketing	3
Total Credits		**6**

LEVEL III
SEMESTER 2

Course Code	Course Title	Credits
ENTR 3003	Entrepreneurial Finance	3
ENTR 3002	Case Studies in Entrepreneurship	3
Total Credits		**6**

(Electives) (select at least six (6) credits from Section B below.

SECTION B (Electives)
SEMESTER 1

Course Code	Course Title	Credits
AGBU 3006	Agricultural Project Appraisal and Implementation	4
HUEC 3004	Food Product Development	3
MGMT 2021	Business Law	3
MGMT 2007	Introduction to E-Commerce	3
AGBU 3012	Project (in Entrepreneurship)**	4

SEMESTER 2

Course Code	Course Title	Credits
AGBU 3003	Introduction to Ecotourism: Production Design and Management	4
AGBU 3009	International Trade Policy & Regulations	3
MGMT 3032	Entrepreneurial Studies	3
HUEC 3010	Housing and the Environment	3
HUEC 3020	Development of Caribbean Cuisine	3
AGBU 3012	Project (in Entrepreneurship)**	4

BSc Minor in Entrepreneurship

The Minor in Entrepreneurship comprises a minimum of 15 credits of Advanced Courses (Levels II and III) and 6 credits of prerequisites. Students are required to complete both courses in Section A (Core Courses) and the remaining credits from the list of courses in Section B (Electives).

COURSE LISTING

PREREQUISITES

AGBU 1005	Introduction to Microeconomics
AND	
AGBU 1006	Macroeconomic Fundamentals for Caribbean Agriculture

SECTION A (Core Courses)*

Course Code	Course Title	Credits
AGBU 3001	Marketing and Price Analysis	4
AGBU 3007	New Venture Creation and Management	4
Total Credits		**8**

SECTION B (Electives)
(At least seven (7) credits from the following)

SEMESTER 1

Course Code	Course Title	Credits
AGBU 3006	Agricultural Project Appraisal and Implementation	4
HUEC 3004	Food Product Development	3
MGMT 2021	Business Law	3
MGMT 2007	Introduction to E-Commerce	3
AGBU 3012	Project (in Entrepreneurship)**	4
ENTR 2000	ICT Applications for Business	3
ENTR 2003	Entrepreneurial Law	3
ENTR 3000	Export Market Case Studies and Practice	3
ENTR 3001	Entrepreneurial Marketing	3

SEMESTER 2

Course Code	Course Title	Credits
AGBU 3003	Introduction to Ecotourism: Production Design and Management	4
AGBU 3009	International Trade Policy & Regulations	3
MGMT 3032	Entrepreneurial Studies	3
HUEC 3010	Housing and the Environment	3
HUEC 3020	Development of Caribbean Cuisine	3
AGBU 3012	Project (in Entrepreneurship)**	4
ENTR 2001	Introduction to Innovation and Decision Making	3
ENTR 2002	Entrepreneurial Business Planning	3
ENTR 3003	Entrepreneurial Finance	3
ENTR 3002	Case Studies in Entrepreneurship	3

***NOTE:** Students pursuing the **Major in Agribusiness**, together with a **minor in Entrepreneurship**, are required to select the 15 credits required from Section B since the courses in Section A are common with the Agribusiness Major.

*****NOTE: AGBU 3012 will be offered in Semesters I and II. Students will be examined at the end of the semester in which they are registered.***

B. THE HUMAN ECOLOGY PROGRAMME

BSc Major in Family and Consumer Sciences

The Major in Family and Consumer Sciences comprises 36 credits of advanced courses (Levels II and III) as well as 18 credits of prerequisites courses in Level I. These are outlined below:

COURSE LISTING

PREREQUISITES

LEVEL I

SEMESTER 1

Course Code	Course Title	Credits
AGBU 1005	Introduction to Microeconomics	3
HUEC 1003	Introduction to Nutrition	3
HUEC 1007	Introduction to Textiles	3
Total Credits		**9**

LEVEL I

SEMESTER 2

Course Code	Course Title	Credits
HUEC 1005	Introduction to Biostatistics	3
HUEC 1006	Basic Apparel Construction	3
PSYC 1004	Introduction to Social Psychology	3
Total Credits		**9**

ADVANCED CORE COURSES

LEVEL II

SEMESTER 1

Course Code	Course Title	Credits
HUEC 2004	Foodservice Systems Management (Equipment, Layout & Design)	3
HUEC 2008	Psychological Aspects of Apparel	3
PSYC 2012	Developmental Psychology	3
Total Credits		**9**

LEVEL II

SEMESTER 2

Course Code	Course Title	Credits
HUEC 2009	Family Resource Management	3

LEVEL III

SEMESTER 1

Course Code	Course Title	Credits
HUEC 3000	Flat Pattern Development	3
HUEC 3019	Computer-Aided Design for the Fashion Industry	3
HUEC 3018	Fashion Industry and Business	3
Total Credits		**9**

LEVEL III

SEMESTER 2

Course Code	Course Title	Credits
HUEC 3007	Law and the Family	3
HUEC 3010	Housing and the Environment	3
HUEC 3011	Advanced Textiles	3
HUEC 3017	Computer Aided Pattern Development	3
Total Credits		**12**

LEVEL III
SEMESTER 4

Course Code	Course Title	Credits
HUEC 3021	Practicum (Consumer Sciences)	3

BSc Major in Nutritional Sciences

The Major in Nutritional Sciences comprises 31 credits of advanced courses (Levels II and III) and 18 credits of prerequisites courses in Level I. These are presented below:

COURSE LISTING

PREREQUISITES
LEVEL I
SEMESTER 1

Course Code	Course Title	Credits
AGRI 1012	Microbiology	3
AGRI 0103	Agricultural Chemistry	3
HUEC 1003	Introduction to Nutrition	3
Total Credits		**9**

LEVEL I
SEMESTER 2

Course Code	Course Title	Credits
AGRI 1013	Introduction to Biochemistry	3
HUEC 1004	Introduction to Foods & Meal Management	3
HUEC 1005	Introduction to Biostatistics	3
Total Credits		**9**

ADVANCED COURSES
LEVEL II
SEMESTER 1

Course Code	Course Title	Credits
HUEC 2000	Biochemistry	3
HUEC 2001	Basic Human Anatomy & Physiology	3
HUEC 2014	Nutrition and Metabolism	3
Total Credits		**9**

LEVEL II
SEMESTER 2

Course Code	Course Title	Credits
HUEC 2002	Nutrition through the Life Cycle	3
HUEC 2011	Physiology in Health and Disease	3
Total Credits		**6**

LEVEL III
SEMESTER 1

Course Code	Course Title	Credits
HUEC 3001	Community Nutrition	3
HUEC 3014	Nutrition in Sports & Fitness	3
Total Credits		**6**

LEVEL III
SEMESTER 2

Course Code	Course Title	Credits
HUEC 3015	Nutrition and Health in Sports Performance	3
HUEC 3016	Nutrition in Health and Disease	4
Total Credits		**7**

LEVEL III
SEMESTER 4

Course Code	Course Title	Credits
HUEC 3022	Practicum (Nutritional Sciences)	3

BSc Major in Foods & Food Service Systems Management

The Major in Foods and Food Service Systems Management comprises 31 credits of advanced courses (Levels II and III) and 21 credits of prerequisites courses in Level I. These are as follows:

COURSE LISTING

PREREQUISITES
LEVEL I
SEMESTER 1

Course Code	Course Title	Credits
ACCT 1002	Introduction to Financial Accounting	3
AGBU 1005	Introduction to Microeconomics	3
AGRI 1012	Microbiology	3
AGRI 0103	Agricultural Chemistry	3
HUEC 1003	Introduction to Nutrition	3
Total Credits		**15**

SEMESTER 2

Course Code	Course Title	Credits
HUEC 1001	Food Science	3
HUEC 1004	Introduction to Foods and Meal Management	3
Total Credits		**6**

ADVANCED COURSES
LEVEL II
SEMESTER 1

Course Code	Course Title	Credits
HUEC 2004	Food Service Systems Management (Equipment, Layout & Design)	3
HUEC 2015	Food Quality and Safety	3
Total Credits		**6**

LEVEL II
SEMESTER 2

Course Code	Course Title	Credits
HUEC 2003	Food Service Systems Management (Organisation & Management)	3
MKTG 2001	Principles of Marketing	3
Total Credits		**6**

LEVEL III
SEMESTER 1

Course Code	Course Title	Credits
HUEC 3004	Food Product Development	3
MGMT 2008	Organisational Behaviour	3
Total Credits		**6**

LEVEL III
SEMESTER 2

Course Code	Course Title	Credits
AGBU 3007	New Venture Creation and Management	4
HUEC 3002	Food Service Systems Management (Quantity Foods)	3
HUEC 3020	Development of Caribbean Cuisine	3
Total Credits		**10**

LEVEL III
SEMESTER 4

Course Code	Course Title	Credits
HUEC 3023	Practicum (Foods & Food Service)	3

BSc Minor in Sports Nutrition

The Minor in Sports Nutrition comprises of at least 15 credits of advanced courses (Levels II and III) and 6 credits of prerequisites/co-requisites. Students are required to complete all courses in Section A (below) and to take at least 3 credits from the list of courses in Section B.

COURSE LISTING

SECTION A: CORE COURSES*

Course Code	Course Title	Credits
HUEC 2012	Nutrition Assessment for Sports	3
HUEC 3014	Nutrition in Sports and Fitness	3
HUEC 3016	Nutrition in Health and Disease	4
HUEC 3015	Nutrition and Health in Sports Performance	3
Total Credits		**13**

***NOTE:** Students pursuing the **Major in Nutritional Sciences**, together with a **Minor in Sports Nutrition**, are required to select the replacement courses for HUEC 3014, 3015 AND 3016 FROM Section B, below since these courses are common courses in the Major in Nutritional Sciences. **Please consult with the Head of Department before registering for this minor.**

SECTION B: ELECTIVES
(At least 3 credits must be selected from the following courses)

Course Code	Course Title	Credits
AGBU 3007	New Venture Creation and Management	4
AGEX 3004	Communication Skills for Professionals	3
HUEC 3007	Law and the Family	3
MGMT 2007	Introduction to E-Commerce	3
MGMT 2009	Sociology of Sports	3
MGMT 2010	Introduction to Sports Management	3
MGMT 2022	The Law and Sports	3
MGMT 3027	Sports Marketing and Public Relations	3
PSYC 2012	Developmental Psychology	3
SOCI 3005	Sociology of Health and Illness	3
HUEC 3012	Project *(Year Long)*	4
HUEC 2013	Principles of Dietetics	3
HUEC 2015	Food Quality and Safety	3

BSc Human Nutrition and Dietetics (sp)

The requirements for the BSc Human Nutrition and Dietetics are 94 credits of core courses plus 6 credits of electives from the approved list, as well as 9 credits of Foundation courses (FOUN 1101, FOUN 1105, FOUN 1301. Total credits 109.

COURSE LISTING

CORE COURSES

LEVEL I

SEMESTER I

Course Code	Course Title	Credits
ACCT 1002	Introduction to Financial Accounting	3
AGBU 1005	Introduction to Microeconomics	3
AGRI 1003	Mathematics for Scientists	3
AGRI 1012	Microbiology	3
AGRI 0103	Agricultural Chemistry	3
HUEC 1003	Introduction to Nutrition	3
Total Credits		**18**

LEVEL I

SEMESTER 2

Course Code	Course Title	Credits
ACCT 1003	Introduction to Cost & Managerial Accounting	3
AGRI 1013	Introduction to Biochemistry	3
HUEC 1001	Food Science	3
HUEC 1004	Introduction to Foods & Meal Management	3
HUEC 1005	Introduction to Biostatistics	3
PSYC 1004	Introduction to Social Psychology	3
Total Credits		**18**

LEVEL II

SEMESTER 1

Course Code	Course Title	Credits
AGEX 3004	Communication Skills for Professionals	3
HUEC 2000	Biochemistry	3
HUEC 2001	Basic Human Anatomy & Physiology	3
HUEC 2004	Foodservice Systems Management (Equipment, Layout & Design)	3
HUEC 2014	Nutrition and Metabolism	3
MGMT 2008	Organisational Behaviour	3
Total Credits		**18**

LEVEL II

SEMESTER 2

Course Code	Course Title	Credits
HUEC 2002	Nutrition Throughout the Life Cycle	3
HUEC 2003	Foodservice Systems Management (Organisation and Management)	3
HUEC 2011	Physiology in Health and Disease	3
HUEC 2013	Principles of Dietetics	3
MKTG 2001	Principles of Marketing	3
Total Credits		**15**

LEVEL III

SEMESTER 1

Course Code	Course Title	Credits
HUEC 3001	Community Nutrition	3
HUEC 3004	Food Product Development	3
HUEC 3005	Medical Nutrition Therapy I	3
HUEC 3012	Research Project*	4
HUEC 3014	Nutrition in Sports and Fitness	3
Total Credits		**16**

LEVEL III
SEMESTER 2

Course Code	Course Title	Credits
HUEC 3002	Foodservice Systems Management (Quantity Foods)	3
HUEC 3006	Medical Nutrition Therapy II	3
HUEC 3020	Development of Caribbean Cuisine	3
HUEC 3012	Research Project*	
Total Credits		**9**

**NOTE: HUEC 3012 will be offered in Semesters I and II. Students will be examined at the end of the semester in which they are registered.*

ELECTIVES
A minimum of 6 Credits is required from the following:
SEMESTER 1

Course Code	Course Title	Credits
AGBU 3001	Marketing & Price Analysis	4
AGBU 3006	Agricultural Project Appraisal and Implementation	4
HUEC 2012	Nutritional Assessment for Sports	3
AGCP 2007	Post-Harvest Technology	3
MGMT 2007	Introduction to E-Commerce	3
PSYC 2012	Developmental Physiology	3
PSYC 2011	Selected Theories in Social Psychology	3

SEMESTER 2

Course Code	Course Title	Credits
AGBU 3003	Introduction to Eco-Tourism Product Design and Management	4
AGBU 3005	Introduction to Quantitative Methods in Economics	3
AGBU 3007	New Venture Creation and Management	4
HUEC 3007	Law and the Family	3
HUEC 3015	Nutrition and Health in Sports Performance	3
SOCI 3005	Sociology of Health and Illness	3
HUEC 2009	Family Resource Management	3

NOTE: Individuals wishing to practice as a Dietician / Nutritionist must complete a one-year (calendar) Diploma in Institutional and Community Dietetics and Nutrition, following the successful completion of this degree.

CORE COURSES
LEVEL I
SEMESTER I

Course Code	Course Title	Credits
ACCT 1002	Introduction to Financial Accounting	3
AGBU 1005	Introduction to Microeconomics	3
AGRI 1003	Mathematics for Scientists	3
AGRI 1012	Microbiology	3
AGRI 0103	Agricultural Chemistry	3
HUEC 1003	Introduction to Nutrition	3
Total Credits		**18**

LEVEL I
SEMESTER 2

Course Code	Course Title	Credits
ACCT 1003	Introduction to Cost & Managerial Accounting	3
AGRI 1013	Introduction to Biochemistry	3
HUEC 1001	Food Science	3
HUEC 1004	Introduction to Foods & Meal Management	3
HUEC 1005	Introduction to Biostatistics	3
PSYC 1004	Introduction to Social Psychology	3
Total Credits		**18**

LEVEL II
SEMESTER 1

Course Code	Course Title	Credits
AGEX 3004	Communication Skills for Professionals	3
HUEC 2000	Biochemistry	3
HUEC 2001	Basic Human Anatomy & Physiology	3
HUEC 2004	Foodservice Systems Management (Equipment, Layout & Design)	3
HUEC 2014	Nutrition and Metabolism	3
MGMT 2008	Organisational Behaviour	3
Total Credits		**18**

LEVEL II
SEMESTER 2

Course Code	Course Title	Credits
HUEC 2002	Nutrition Throughout the Life Cycle	3
HUEC 2003	Foodservice Systems Management (Organisation and Management)	3
HUEC 2011	Physiology in Health and Disease	3
HUEC 2013	Principles of Dietetics	3
MKTG 2001	Principles of Marketing	3
Total Credits		**15**

LEVEL III
SEMESTER 1

Course Code	Course Title	Credits
HUEC 3001	Community Nutrition	3
HUEC 3004	Food Product Development	3
HUEC 3005	Medical Nutrition Therapy I	3
HUEC 3012	Research Project*	4
HUEC 3014	Nutrition in Sports and Fitness	3
Total Credits		**16**

LEVEL III
SEMESTER 2

Course Code	Course Title	Credits
HUEC 3002	Foodservice Systems Management (Quantity Foods)	3
HUEC 3006	Medical Nutrition Therapy II	3
HUEC 3020	Development of Caribbean Cuisine	3
HUEC 3012	Research Project*	
Total Credits		**9**

**NOTE: HUEC 3012 will be offered in Semesters I and II. Students will be examined at the end of the semester in which they are registered.*

ELECTIVES
A minimum of 6 Credits is required from the following:
SEMESTER 1

Course Code	Course Title	Credits
AGBU 3001	Marketing & Price Analysis	4
AGBU 3006	Agricultural Project Appraisal and Implementation	4
HUEC 2012	Nutritional Assessment for Sports	3
AGCP 2007	Post-Harvest Technology	3
MGMT 2007	Introduction to E-Commerce	3
PSYC 2012	Developmental Physiology	3
PSYC 2011	Selected Theories in Social Psychology	3

SEMESTER 2

Course Code	Course Title	Credits
AGBU 3003	Introduction to Eco-Tourism Product Design and Management	4
AGBU 3005	Introduction to Quantitative Methods in Economics	3
AGBU 3007	New Venture Creation and Management	4

HUEC 3007	Law and the Family	3
HUEC 3015	Nutrition and Health in Sports Performance	3
SOCI 3005	Sociology of Health and Illness	3
HUEC 2009	Family Resource Management	3

NOTE: Individuals wishing to practice as a Dietician / Nutritionist must complete a one-year (calendar) Diploma in Institutional and Community Dietetics and Nutrition, following the successful completion of this degree.

Diploma in Institutional and Community Dietetics and Nutrition

In order to be admitted candidates must have successfully completed a Bachelor's Degree (no more than 5 years prior to application) with major credits in Clinical (Human) Nutrition, Foodservice Systems Management, and Community Nutrition, from a University or College acceptable to The University of the West Indies, St Augustine.

Applicants who do not qualify for entry as specified may be required to pursue supplementary Core and Professional courses at the University, to a minimum of eighteen (18) credits.

Selection from suitably qualified applicants will be based on interviews.

COURSE LISTING

SEMESTER 1

Course Code	Course Title	Credits
HUEC 5000	Advanced Foodservice Systems Management	4
HUEC 5020	Advanced Clinical Nutrition	4
HUEC 5040	Advanced Community Nutrition	4

SEMESTER 2

Course Code	Course Title	Credits
HUEC 5010	Foodservice Systems Management Practicum	8
HUEC 5030	Clinical Nutrition Practicum	8

SEMESTER 3

Course Code	Course Title	Credits
HUEC 5050	Community Nutrition Practicum	8

NOTE (a):

1. One credit hour is equivalent to one (1) lecture hour or five (5) practicum hours per week for the duration of a semester.
2. For the practicum courses HUEC 5010, HUEC 5030, HUEC 5050, in-course assignments will contribute 100% to the total marks for the course.

NOTE (b): Enforced Withdrawal and Resits

1. Candidates who fail four (4) or more courses will be required to withdraw from the programme.
2. Candidates who fail no more than two (2) courses may be allowed to register for those courses as a final attempt.

NOTE I: Requirements for Graduation

1. The Diploma in Institutional and Community Dietetics and Nutrition will be awarded on successful completion of all courses.
2. The Diploma will be awarded with distinction to candidates with a GPA of 3.60 and above.

C. EXTENSION PROGRAMME

BSc Major in Agricultural Extension*

This major is designed to provide competencies to students who wish to pursue a career in extension. The requirements for the Major in Agricultural Extension are 47credit hours (16 credits from Level 1 and 31 credits from Levels 2 & 3)
*Can only be offered if it meets minimum student registration quantity.

COURSE LISTING

LEVEL I
SEMESTER 1

Course Code	Course Title	Credits
AGEX 1003	Development of Caribbean Agriculture	3
AGEX 1001	Introduction to Teaching and Learning in Extension	3
Total Credits		**6**

LEVEL I
SEMESTER 2

Course Code	Course Title	Credits
AGBU 1009	Sustainability and Agro-Ecological Systems	3
AGEX 1002	Introduction to the Fundamental Theories in Extension	3
Total Credits		**6**

LEVEL I
SEMESTER 3

Course Code	Course Title	Credits
AGRI 1100	Practical Techniques and Tools in Agriculture	4

LEVEL II
SEMESTER 1

Course Code	Course Title	Credits
AGEX 2005	The Fundamentals of Extension Programming	3
AGEX 2003	Investigative Tools and Techniques for Extension	3
Total Credits		**6**

LEVEL II
SEMESTER 2

Course Code	Course Title	Credits
AGEX2002	Methodologies in Teaching Agriculture Programmes	3
AGEX 2004	Communication for Food System Innovation and Social Change	3
Total Credits		**6**

LEVEL III
SEMESTER 1

Course Code	Course Title	Credits
AGEX 3005	Modern Communication Technologies in Extension	3
AGEX 3003	Gender Issues in Agriculture	3
AGEX 3004	Communication Skills for Professionals	3
Total Credits		**9**

LEVEL III
SEMESTER 2

Course Code	Course Title	Credits
AGEX 3000	Technology Transfer	3
AGEX 3001	Island Food Systems	3
Total Credits		6

PLUS ONE (1) of the following electives:

LEVEL II
SEMESTER 3

Course Code	Course Title	Credits
AGEX 2009	Extension Internship	4

OR
LEVEL III
SEMESTER 1

Course Code	Course Title	Credits
AGEX 3012	Research Project	4

BSc Minor in Communication and Extension

The Minor in Communication and Extension comprises a minimum of 15 credits of Levels II and III courses selected from the list below. The prerequisites for this minor are AGEX 1002, AGRI 1003, AGEX1000 or AGEX 1003.

COURSE LISTING

SEMESTER 1

Course Code	Course Title	Credits
AGEX 2003	Investigative Tools and Techniques for Extension	3
AGEX 2005	The Fundamentals of Extension Programming**	3
AGEX 3003	Gender Issues in Agriculture	3
AGEX 3012	Research Project*	4

SEMESTER 2

Course Code	Course Title	Credits
AGEX 2004	Communication for Food System Innovation and Social Change	3
AGEX 3000	Technology Transfer in Agriculture	3
AGEX 3001	Island Food Systems	3
AGEX 3012	Research Project*	4

NOTE:

* ***AGEX 3012 will be offered in Semesters I and II. Students will be examined at the end of the semester in which they are registered.***

DEPARTMENT OF FOOD PRODUCTION

Programmes offered by the Department:

1. **BSc Agriculture**
2. **BSc**
   a) **Major in Agricultural Technology**
   b) **Major in Tropical Landscaping**
3. **Undergraduate Diploma in Agriculture**
4. **Certificate in Agriculture**

The Department of Food Production (DFP) offers a three-year BSc Agriculture degree and majors in Agricultural Technology and Tropical Landscaping. The aim of these undergraduate programmes is to offer training of the highest standard in various disciplines of agriculture, agricultural technology and tropical landscaping, with a focus on the acquisition of sound knowledge, relevant competencies and appropriate skills to participating students.

BSc Agriculture

COURSE LISTING

Core Courses

LEVEL I

SEMESTER 1

Course Code	Course Title	Credits
AGBU 1005	Introduction to Microeconomics	3
AGEX 1003	Development of Caribbean Agriculture	3
AGLS 1001	Anatomy and Physiology of Animals	3
AGRI 1012	Microbiology	3
AGSL 1001	Soils and the Environment	3
Total Credits		**15**

LEVEL I

SEMESTER 2

Course Code	Course Title	Credits
AGBU 1006	Macroeconomic Fundamentals for Caribbean Agriculture	3
AGRI 1003	Mathematics for Scientists	3
AGRI 1011	Introduction to General Genetics	3
AGRI 1013	Introduction to Biochemistry	3
AGRI 1016	Plant Anatomy and Physiology	3
AGRI 1102	Critical Thinking, Information, Literacy and Communication	3
Total Credits		**18**

LEVEL I

SUMMER

Course Code	Course Title	Credits
AGRI 1100	Practical Techniques and Tools in Agriculture	4

LEVEL II

SEMESTER 1

Course Code	Course Title	Credits
AGCP 2000	Biosystems Engineering Principles	3
AGCP 2101	Principles of Sustainable Crop Production – Science and Practice	3
AGLS 2101	Principles of Livestock Science and Production	3
AGRI 2003	Fundamentals of Applied Statistics	3
AGRI 2100	Current Issues in Agriculture	2
AGSL 2101	Principles of Soil Science	3
Total Credits		**17**

LEVEL II
SEMESTER 2

Course Code	Course Title	Credits
AGCP 2007	Postharvest Technology	3
AGLS 2001	Animal Health and Management	3
AGLS 2102	Fundamentals of Animal Nutrition	3
AGRI 2001	Tropical Crop Protection	3
AGSL 2000	Soil Fertility and Fertilizer Technology	3
AGSL 2001	Soil and Water Management	3
Total Credits		**18**

LEVEL II
SUMMER

Course Code	Course Title	Credits
AGRI 2300	Internship	6

LEVEL III
SEMESTER 1

Course Code	Course Title	Credits
AGCP 3014	Principles of Commodity Utilisation	3
AGRI 3012	Agricultural Biotechnology	3
AGRI 3124	Research Project	3
	Option course*	3
	Option course*	3
Total Credits		**15**

LEVEL III
SEMESTER 2

Course Code	Course Title	Credits
AGCP 3012	Tropical Food Crops	3
AGEX 3000	Technology Transfer in Agriculture	3
	Option course*	3
	Option course*	3
	Option course*	3
Total Credits		**15**

*** See list of options below. Availability based on registration figures.**

OPTIONS
By introducing areas of focus students are afforded the opportunity to pursue courses in an area of interest. This will also enable them to seek employment in the focus area if they choose to do so or prepares them to pursue graduate research programmes. In the short-term, students are provided with three options in the Department of Food Production (Soil Science and Environment, Crop Science and Production and Livestock Science and Production). To fulfil the requirement for an option, students must accumulate at least 15 credits of courses as prescribed in the relevant sections. **It is not compulsory for students to choose any specific option as they can choose to pursue courses from the 3 options to accumulate the 15 credits.**

2. SOIL SCIENCE AND ENVIRONMENT OPTION
The selection of courses for this option must include AGSL 3001 and AGSL 3005.

SEMESTER 1

Course Code	Course Title	Credits
AGSL 3005	West Indian Soils	3
AGSL 3010	Geophysical and Environmental Soil Sensing	4
ENRM 2000	Soil and Land Evaluation	3

SEMESTER 2

Course Code	Course Title	Credits
AGSL 3001	Irrigation and Drainage Technology	3
AGSL 3101	Agricultural and Environmental Soil Physics	3

AGSL 3102	Science of Composting and Compost Use	3
ENRM 3001	Sustainable Watershed Management	3

3. CROP SCIENCE AND PRODUCTION OPTION

The selection of courses for this option must include AGCP 3011 and AGCP 3200. In addition, the selection must include at least one course from AGCP 3102, AGCP 3103 and AGCP 3104 and one from AGCP 3107 and AGCP 3108.

SEMESTER 1

Course Code	Course Title	Credits
AGCP 3011	Major Caribbean Export Crops	3
AGCP 3103	Commercial Floriculture	3
AGCP 3104	Plant Propagation and Nursery Management	3
HORT 2002	Tropical Landscaping Plant Identification	3

SEMESTER 2

Course Code	Course Title	Credits
AGCP 3101	Sustainable Vegetable Production	3
AGCP 3102	Sustainable Fruit Crop Production	3
AGCP 3105	Ecophysiology of Tropical Field and Horticultural Crops	3
AGCP 3106	Organic Agriculture	3
AGCP 3107	Pest Diagnostics	3
AGCP 3108	Advanced Tropical Crop Protection	3
AGCP 3200	Crop Breeding	3

4. LIVESTOCK SCIENCE AND PRODUCTION

The selection of courses for this option must include AGLS 3008 and AGLS 3200. Only one of AGLS 3000 and AGLS 3004 should be included in this option.

SEMESTER 1

Course Code	Course Title	Credits
AGLS 2004	Livestock Products Technology	3
AGLS 3000	Poultry Production	3
AGLS 3003	Ruminant Production Systems	3
AGLS 3008	Applied Animal Physiology	3
AGLS 3103	Tropical Forage Production and Utilization	3

SEMESTER 2

Course Code	Course Title	Credits
AGLS 3004	Non-Ruminant Production Systems	3
AGLS 3102	Applied Animal Nutrition	3
AGLS 3200	Animal Breeding	3
ENRM 2003	Wildlife Resources and Management	3

FOUNDATION COURSES

For the **BSc Agriculture**, students are required to enrol for **two foundation courses** (FOUN 1101 and FOUN 1301).

BSc Major in Agricultural Technology

To major in Agricultural Technology students are required to do 32 credits of level II and III courses in addition to compulsory level 1 courses. To obtain a BSc General, students must also do another major, one or two minors or the required number of elective courses in addition to their pre-requisites.

COURSE LISTING

LEVEL I
SEMESTER 1

Course Code	Course Title	Credits
AGLS 1001	Anatomy and Physiology of Animals	3
AGRI 1012	Microbiology	3
AGSL 1001	Soils and the Environment	3
Total Credits		**9**

LEVEL I
SEMESTER 2

Course Code	Course Title	Credits
AGRI 1013	Introduction to Biochemistry	3
AGRI 1016	Plant Anatomy and Physiology	3
Total Credits		**6**

LEVEL I
SUMMER

Course Code	Course Title	Credits
AGRI 1100	Practical Techniques and Tools in Agriculture	4

LEVEL II
SEMESTER 1

Course Code	Course Title	Credits
AGCP 2101	Principles of Sustainable Crop Production – Science and Practice	3
AGLS 2101	Principles of Livestock Science and Production	3
AGRI 2100	Current Issues in Agriculture	2
Total Credits		**8**

LEVEL II
SEMESTER 2

Course Code	Course Title	Credits
AGCP 2007	Post-harvest Technology	3
AGLS 2102	Fundamentals of Animal Nutrition	3
AGSL 2000	Soil Fertility and Fertilizer Technology	3
Total Credits		**9**

LEVEL II/III
SEMESTER 1

Course Code	Course Title	Credits
AGLS 3003	Ruminant Production Systems	3
	Elective Course	3
Total Credits		**6**

LEVEL II/III
SEMESTER 2

Course Code	Course Title	Credits
AGCP 3012	Tropical Food Crops	3
AGSL 3001	Irrigation and Drainage Technology	3
	Elective course	3
Total Credits		**9**

**NOTE: Students who are pursuing the double major in Agricultural Technology and Environment and Natural Resources are to choose only ENRM 1004 Ecology and Microbiology and not AGRI 1012 Microbiology.*

BSc Major in Agricultural Technology

ELECTIVES
The following are general electives offered by the Department of Food Production. These courses are offered subject to a minimum enrolment and the necessary pre-requisites.

SEMESTER 1

Course Code	Course Title	Credits
AGCP 3103	Commercial Floriculture	3
AGCP 3104	Plant Propagation and Nursery Management	3
AGLS 2004	Livestock Products Technology	3
AGLS 3000*	Poultry Production	3
AGSL 3010	Geophysical and Environmental Soil Sensing	4
ENRM 2000	Soil and Land Evaluation	3
HORT 2002	Tropical Landscape Plant Identification	3

SEMESTER 2

Course Code	Course Title	Credits
AGCP 3101	Sustainable Vegetable Production	3
AGLS 3004*	Non-Ruminant Production Systems	3
AGSL 3102	Science of Composting and Compost Use	3
ENRM 3001	Sustainable Watershed Management	3

* Only one of AGLS 3000 and AGLS 3004 must be selected

BSc General – Major in Tropical Landscaping

A major in Tropical Landscaping would require successful completion of 15 credits of Level 1 Pre-requisites and a total of 32 credits at the advanced level.

COURSE LISTING

LEVEL I
PRE-REQUISITE COURSES
SEMESTER 1

Course Code	Course Title	Credits
AGSL 1001	Soils and the Environment	3
VART 1404	ICT and Design Foundations	3

LEVEL I
SEMESTER 2

Course Code	Course Title	Credits
AGRI 1016	Plant Anatomy and Physiology	3
VART 1406	Colour and Materials	3

LEVEL I
SUMMER

Course Code	Course Title	Credits
LDSP 1000	Practical Skills	3
Total Credits		**15**

CORE COURSES
LEVEL II
SEMESTER 1

Course Code	Course Title	Credits
HORT 2001	People–Plant Relationships	3
HORT 2002	Tropical Landscape Plant Identification	3
VART 2401	Landscape Design I	3

LEVEL II
SEMESTER 2

Course Code	Course Title	Credits
VART 2402	Landscape Design II	3
Total Credits		**12**

LEVEL II
SUMMER

Course Code	Course Title	Credits
LDSP 2000	Landscaping Internship	4

LEVEL III
SEMESTER 1

Course Code	Course Title	Credits
HORT 3001	Amenity and Sports Turfgrass Management	3
LDSP 3001	Landscaping Project	4
LDSP 3002	Hardscape Construction and Maintenance	3

LEVEL III
SEMESTER 2

Course Code	Course Title	Credits
HORT 3002	Landscape Horticulture	3
Total Credits		**13**

Any 3 credits of Electives from the following (N.B. Students must have the necessary pre-requisites):
SEMESTER 1

Course Code	Course Title	Credits
AGCP 3103	Commercial Floriculture	3
AGCP 3104	Plant Propagation and Nursery Management	3
AGSL 2000	Soil Fertility and Fertilizer Technology	3

SEMESTER 2

Course Code	Course Title	Credits
AGBU 3007	New Venture Creation	3
AGRI 2001	Tropical Crop Protection	3
AGSL 2001	Soil and Water Management	3

DEPARTMENT OF GEOGRAPHY

Programmes offered by the department:

- **BSc Geography (special)**

Majors:

- **Geography**
- **Environmental and Natural Resource Management**

Minors:

- **Environmental and Natural Resource Management**

Certificate:

- **Entry-Level Certificate in Environmental Geography**

BSc Major in Geography

A major in Geography would require successful completion of 12 credits of LEVEL 1 PREREQUISITES and a total of 30 credits at the advanced level consisting of 18 credits of core courses and any 12 credits of elective courses. Elective courses are subject to necessary prerequisite and can be taken from Level II/III.

COURSE LISTING

The structure of the programme is follows:

PREREQUISITE COURSES
LEVEL I
SEMESTER 1

Course Code	Course Title	Credits
GEOG 1131	Human Geography 1: Population, Migration and Settlement	3
GEOG 1231	Earth Environments 1: Geomorphology and Soils	3

SEMESTER 2

Course Code	Course Title	Credits
GEOG 1132	Human Geography 2: World Economy, Agriculture and Food	3
GEOG 1232	Earth Environments 2: Climate and Biosphere	3

CORE COURSES
LEVEL II
SEMESTER 1

Course Code	Course Title	Credits
GEOG 2010	Geographical Information Systems	3
GEOG 2011	Geomorphology	3

LEVEL II
SEMESTER 2

Course Code	Course Title	Credits
GEOG 2013#	Geography Research Methods	3
GEOG 2016	Introduction to Urban Geography	3

LEVEL III
SEMESTER 1

Course Code	Course Title	Credits
GEOG 3111	Natural Hazards	3

LEVEL III
SEMESTER 2

Course Code	Course Title	Credits
GEOG 3116	Geographies of the Caribbean	3

AND any twelve (12) credits of ELECTIVES from the following:
SEMESTER 1

Course Code	Course Title	Credits
GEOG 2014	Geographies of Food	3
GEOG 2019	Physical Hydrology	3
GEOG 3114	Geographies of Migration and Settlement	3
GEOG 3305*	Planning, Development and Sustainability	3
GEOG 3107*	Meteorology and Climatology	3
GEOG 3118	Quaternary Environments	3
AGSL 3010	Geophysical and Environmental Soil Sensing	4

SEMESTER 2

Course Code	Course Title	Credits
GEOG 2015*	Discourses of Development and Globalisation	3
GEOG 2017	Political Geography	3
GEOG 3113^	Remote Sensing and GIS	3
GEOG 3115	Geographies of Equality and Social Justice	3
GEOG 3117*	Environmental Modelling with GIS	3

SEMESTER 3 (SUMMER)

Course Code	Course Title	Credits
GEOG 2018*	Geography Residential Field School (Tobago)	3
GEOG 3120*	Geography Residential Field School (International)	3

YEAR LONG

Course Code	Course Title	Credits
GEOG 3110	Research Project	6

*** NOT OFFERED IN 2020/2021**
 # ELECTIVE FOR STUDENTS REGISTERED PRIOR TO 2018/2019 ACADEMIC YEAR ONLY
^ CORE COURSE ONLY FOR STUDENTS REGISTERED PRIOR TO 2018/2019 ACADEMIC YEAR

BSc Geography (Special)

Students registered for the BSc (General), Major in Geography, will be eligible for transfer to the BSc Geography programme after successful completion of Level 1 geography courses provided that they have achieved an average GPA of at least 2.8. A BSc Geography would require successful completion of 12 credits of LEVEL I PREREQUISITES, plus an additional 12 LEVEL I credits and 9 credits of foundation courses. At LEVEL II/III, students must obtain 42 credits of Geography courses (of which, 27 are core), plus an additional 18 credits of approved non-Geography courses.

COURSE LISTING

The structure of the programme is follows:

PREREQUISITE COURSES

LEVEL I

SEMESTER 1

Course Code	Course Title	Credits
GEOG 1131	Human Geography 1: Population, Migration and Settlement	3
GEOG 1231	Earth Environments 1: Geomorphology and Soils	3

LEVEL I

SEMESTER 2

Course Code	Course Title	Credits
GEOG 1132	Human Geography 2: World Economy, Agriculture and Food	3
GEOG 1232	Earth Environments 2: Climate and Biosphere	3

PLUS AN ADDITIONAL 12 CREDITS OF APPROVED COURSES AT LEVEL I

CORE COURSES

LEVEL II

SEMESTER 1

Course Code	Course Title	Credits
GEOG 2010	Geographical Information Systems	3
GEOG 2011	Geomorphology	3

LEVEL II

SEMESTER 2

Course Code	Course Title	Credits
GEOG 2013	Geography Research Methods	3
GEOG 2016	Introduction to Urban Geography	3

LEVEL III

SEMESTER 1

Course Code	Course Title	Credits
GEOG 3111	Natural Hazards	3

LEVEL III

SEMESTER 2

Course Code	Course Title	Credits
GEOG 3113	Remote Sensing and GIS	3
GEOG 3116	Geographies of the Caribbean	3

YEAR LONG

Course Code	Course Title	Credits
GEOG 3110	Research Project	6

AND any fifteen (15) credits of ELECTIVES from the following:

SEMESTER 1

Course Code	Course Title	Credits
GEOG 2014	Geographies of Food	3
GEOG 2019	Physical Hydrology	3
GEOG 3114	Geographies of Migration and Settlement	3
GEOG 3305*	Planning, Development and Sustainability	3

GEOG 3107*	Meteorology and Climatology	3
GEOG 3118	Quaternary Environments	3
AGSL 3010	Geophysical and Environmental Soil Sensing	4

SEMESTER 2

Course Code	Course Title	Credits
GEOG 2015*	Discourses of Development and Globalisation	3
GEOG 2017	Political Geography	3
GEOG 3115	Geographies of Equality and Social Justice	3
GEOG 3117*	Environmental Modelling with GIS	3

SEMESTER 3 (SUMMER)

Course Code	Course Title	Credits
GEOG 2018*	Geography Residential Field School (Tobago)	3
GEOG 3120*	Geography Residential Field School (International)	3

PLUS AN ADDITIONAL 18 CREDITS OF APPROVED NON-GEOGRAPHY COURSES

***NOT OFFERED IN 2020/2021**

Major in Environmental & Natural Resource Management

This interdisciplinary programme is offered across the FFA and students enrolled in the Major are encouraged to consider complementary Majors within the FFA (e.g. with Geography or Agribusiness). A revised curriculum of the major was introduced in the 2014/15 academic year. A Major in ENRM would require successful completion of 12 credits of LEVEL 1 PREREQUISITES and a total of 30 credits at the advanced level consisting of 24 credits of core courses and any 6 credits of elective courses. Elective courses are subject to necessary prerequisite and can be taken from Level II/III.

COURSE LISTING

PREREQUISITE COURSES

LEVEL I

SEMESTER 1

Course Code	Course Title	Credits
ENRM 1001	Introduction to Environmental and Natural Resource Management	3
AGSL 1001	Soils and the Environment	3

LEVEL I

SEMESTER 2

Course Code	Course Title	Credits
ENRM 1002	Introduction to Natural Resource Economics	3
ENRM 1004	Ecology and Microbiology	3

CORE COURSES

LEVEL II

SEMESTER 1

Course Code	Course Title	Credits
ENRM 2000	Soil and Land Evaluation	3
ENRM 2001	Forest Resource Management	3

LEVEL II

SEMESTER 2

Course Code	Course Title	Credits
ENRM 2002	Energy Resources and Sustainability	3
ENRM 2003	Wildlife Resources and Management	3
ENRM 2004	Environmental Microbiology and Ecological Health	3

LEVEL III
SEMESTER 1

Course Code	Course Title	Credits
ENRM 3000	Natural Resource Economics and Assessment	3

LEVEL III
SEMESTER 2

Course Code	Course Title	Credits
ENRM 3001	Sustainable Watershed Management	3
ENRM 3002	Anthropogenic Climate Change Management	3

AND any six (6) credits of ELECTIVES from the following:
SEMESTER 1

Course Code	Course Title	Credits
AGBU 2000	Agriculture in the Economy	4
AGBU 2003	Applied Statistics	3
AGEX 3001	Island Food Systems	3
AGEX 3004	Communication Skills for Professionals	3
AGRI 2003	Fundamentals of Applied Statistics	3
AGRI 2100	Current Issues in Agriculture	2
AGSL 2101	Principles of Soil Science	3
AGSL 3010	Geophysical and Environmental Soil Sensing	4
GEOG 2011	Geomorphology	3
GEOG 2010	Geographical Information Systems	3
GEOG 3111	Natural Hazards	3
GEOG 3305	Planning, Development and Sustainability	3
HORT 2001	People/ Plant Relationships	3

SEMESTER 2

Course Code	Course Title	Credits
AGBU 3003	Introduction to Ecotourism: Product Design and Management	4
AGBU 3009	International Trade Policy and Regulations	3
GEOG 2019	Physical Hydrology	3
GEOG 3113	Remote Sensing and GIS	3
ENRM 3003*	Environmental and Natural Resource Law	3
GEOG 3117*	Environmental Modelling with GIS	3
HUEC 3010	Housing and the Environment	3
HUEC 2009	Family Resource Management	3

SEMESTER 3

Course Code	Course Title	Credits
GEOG 2018*	Geography Residential Field School (Tobago)	3
GEOG 3120*	Geography Residential Field School (International)	3

***NOT OFFERED IN 2020/2021**

 # NOTE: Students who do not already take one of these courses as part of another Major or Minor programme must select at least one of these course, **or another approved quantitative course**. Students cannot select both AGBU 2003 and ARGI 2003 as electives.

NOTE 1: where a course is **core** in another Major programme, students doing that Major cannot count that course as an elective for the ENRM programme.

NOTE 2: where a course is an **elective** in another Major programme and is also an elective for the ENRM Major, it may be counted under either programme, but not both.

NOTE 3: students may be permitted to complete an alternative course as an elective, with the approval of the Head, Department of Geography.

Minor in Environmental & Natural Resource Management

A Minor in ENRM requires successful completion of 12 credits of LEVEL 1 PREREQUISITES and a total of 15 credits at the advanced level consisting of 9 credits of core courses and any 6 credits of elective courses. Elective courses are subject to necessary prerequisite and can be taken from Level II/III.

COURSE LISTING

PREREQUISITE COURSES

LEVEL I

SEMESTER 1

Course Code	Course Title	Credits
ENRM 1001	Introduction to Environmental and Natural Resource Management	3
AGSL 1001	Soils and the Environment	3

LEVEL I

SEMESTER 2

Course Code	Course Title	Credits
ENRM 1002	Introduction to Natural Resource Economics	3
ENRM 1004	Ecology and Microbiology	3

CORE COURSES

LEVEL II

SEMESTER 1

Course Code	Course Title	Credits
ENRM 2000	Soil and Land Evaluation	3

LEVEL III

SEMESTER 1

Course Code	Course Title	Credits
ENRM 3000	Natural Resource Economics and Assessment	3

LEVEL III

SEMESTER 2

Course Code	Course Title	Credits
ENRM 3001	Sustainable Watershed Management	3

AND any six (6) credits of ELECTIVES from the following:

SEMESTER 1

Course Code	Course Title	Credits
ENRM 2001	Forest Resource Management	3

SEMESTER 2

Course Code	Course Title	Credits
ENRM 2002	Energy Resources and Sustainability	3
ENRM 2003	Wild Life Management	3
ENRM 2004	Environmental Microbiology and Ecological Health	3
ENRM 3002	Anthropogenic Climate Change Management	3
ENRM 3003*	Environmental and Natural Resource Law	3

***NOT OFFERED IN 2020/2021**

SECTION XV - COURSE DESCRIPTIONS

ALPHABETICAL LISTING BY COURSE CODES

ACCT - ACCOUNTING

LEVEL: I
SEMESTERS: 1 OR 2
COURSE CODE: ACCT 1002
COURSE TITLE: INTRODUCTION TO FINANCIAL ACCOUNTING
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
DEPARTMENT RESPONSIBLE: MANAGEMENT STUDIES
COURSE DESCRIPTION: An introductory course designed for students of accounting and those in other areas of study. It aims at producing a practical and a theoretical understanding of the principles and concepts involved in the preparation of financial statements. Students are exposed to conceptual analytical approach with the aim of improving their critical thinking and communicative skills.
ASSESSMENT:

Coursework	25%
Final Examination	75%

LEVEL: I
SEMESTERS: 1OR 2
COURSE CODE: ACCT 1003
COURSE TITLE: INTRODUCTION TO COST & MANAGERIAL ACCOUNTING
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
DEPARTMENT RESPONSIBLE: MANAGEMENT STUDIES
COURSE DESCRIPTION: This is an introductory course for students of accounting as well as other areas of study. It aims to acquaint them with the uses of accounting information and techniques useful to the manager in planning, decision-making and controlling organisational activities.
ASSESSMENT:

Coursework	25%
Examination	75%

LEVEL: II
SEMESTER: 1
COURSE CODE: ACCT 2017
COURSE TITLE: MANAGEMENT ACCOUNTING
NUMBER OF CREDITS: 3
PREREQUISITES: ACCT 1002 AND
ACCT 1003 DEPARTMENT RESPONSIBLE: MANAGEMENT STUDIES
COURSE DESCRIPTION: The course explains how managerial accounting information is used by managers in manufacturing, retail, service and not-for-profit organisations to anticipate the future and monitor the activities of the business.
ASSESSMENT:

Coursework	25%
Final Examination	75%

AGBU – AGRI BUSINESS

LEVEL: I
SEMESTER: 2
COURSE CODE: AGBU 1002
COURSE TITLE: INTRODUCTION TO AGRO-ENVIRONMENTAL MANAGEMENT
NUMBER OF CREDITS: 4
PREREQUISITES: NONE
COURSE DESCRIPTION: The role and importance of the environment for social development and as a life support system. The nexus between agriculture and the environment. Agro-ecosystems structure and dynamics. Economics of environmental resources: market failure and environmental degradation, externalities and public goods; optimal resource use/extraction and approaches for management of renewable resources.

Concept of the watershed as a management unit: hydrology, soils, natural forest, biodiversity and land use. The impact of agricultural practices on the environment viewed from an ecosystem perspective: deforestation, soil erosion/degradation, flooding, irrigation, loss of biodiversity and climate change. Case studies of impacts related to various agricultural systems: crop and livestock, subsistence and plantation farming, hillside and erodible soils, pesticide and chemical application, irrigated agriculture.
Integration of the concepts and issues discussed in designing sustainable agro-environmental systems for the tropics; focus on small island states. Case studies.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: I
SEMESTER: 2
COURSE CODE: AGBU 1009
COURSE TITLE: SUSTAINABILITY AND AGO-ECOLOGICAL SYSTEMS
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
COURSE DESCRIPTION: This course provides a basis for the continued interdisciplinary studies that students are expected to be a part of in today's world. The course will combine the disciplines of economics, agriculture, policy analysis and environmental management into one coherent and holistic package based on a sustainability framework to show how these disciples can be used together to solve pressing problems in achieving sustainable development pathways. AGBU 1003 – Sustainability and Agro-Ecological Systems is a revision of AGBU 1002 – Introduction to Agro-Environmental Management. This course content is designed to provide students with the fundamental philosophies in sustainability and sustainable development as a framework to understand the interaction between agriculture and environment. It looks at the impacts of agriculture on the environment for both crop and livestock production, and also potential tools that can be used in managing environmental problems
ASSESSMENT:

Coursework	60%
Final Examination	40%

LEVEL: I
SEMESTER: 1
COURSE CODE: AGBU 1005
COURSE TITLE: INTRODUCTION TO MICROECONOMICS
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
COURSE DESCRIPTION: Nature and Scope of Economics: General overview: Functions performed by economic systems; Resources/Factors of Production and Characteristics.
Demand and Supply: Concepts; definitions and introduction to factors affecting demand and supply; elasticities. Market Price and Quantity determination; interpretation and applications.
Theories of Consumer Behaviour: Marginal utility and indifference theories, Theory of Production, Supply and Cost: Production functions forms; profit maximisation behaviour and rationality in production. Market Structures and Forms: Market types and characteristics; profit maximisation behaviour in perfect competition and monopoly.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: I
SEMESTER: 2
COURSE CODE: AGBU 1006
COURSE TITLE: MACROECONOMIC FUNDAMENTALS FOR CARIBBEAN AGRICULTURE
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
COURSE DESCRIPTION: This course will build on the microeconomic foundation of the behaviour of the consumer and the firm to the establishment of demand and supply for the entire country which includes that of government and the rest of the world. Students would then learn how to measure the progress of the economy, and determine the national income and gross domestic product. Next, the role of monetary and fiscal policy on inflation, unemployment, deficits and economic growth will be studied. And finally the Caribbean economy and agricultural sector will be integrated into the international setting, examining the concepts of free trade and the role of exchange rate. The role of international trade and agriculture as it relates to the economy are clearly articulated.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: II
SEMESTER: 1
COURSE CODE: AGBU 2000
COURSE TITLE: AGRICULTURE IN THE ECONOMY
NUMBER OF CREDITS: 4
PREREQUISITES: AGBU 1005 and AGBU 1006 OR
ECON 1001 and ECON 1002
COURSE DESCRIPTION: The structure of Caribbean economies. Simple income determination. Balance of payments. Economic growth models. Theories of economic development. The role of the agricultural sector in the development process. Agricultural policy formulation. Selected policy issues.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: II
SEMESTER: 1
COURSE CODE: AGBU 2002
COURSE TITLE: MANAGEMENT AND ECONOMICS OF AGRICULTURAL PRODUCTION AND MARKETING
NUMBER OF CREDITS: 4
PREREQUISITES: AGBU 1005 and AGBU 1006 OR
ECON 1001 and ECON 1002
COURSE DESCRIPTION: Basic theory of agricultural production with particular respect to technology and economic and technical efficiency in resource use. The basic theory of the consumer. The nature and scope of marketing. The functions of marketing intermediaries. The minimisation of agricultural markets in the Caribbean. Basic concepts in the management of farms and agri-business farms managerial functions. Forms of business minimisation. Accounting and record keeping systems personnel management.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: II
SEMESTER: 2
COURSE CODE: AGBU 2003
COURSE TITLE: APPLIED STATISTICS
NUMBER OF CREDITS: 3
PREREQUISITES: AGRI 1003
COURSE DESCRIPTION: This is an introductory course in Statistics with the aim of having students appreciate the role of Statistics in Agribusiness, Agricultural Economics and related fields as a fundamental tool of scientific investigation. The course introduces students to basic concepts and definitions in statistics, including descriptive statistics, probability distribution theory and the Normal Statistical Distribution. The method for the conduct of Statistical Inference is presented, including inference relating to a single population, differences between population means and the analysis of variance. The course concludes with a study of regression analysis.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: III
SEMESTER: 2
COURSE CODE: AGBU 3000
COURSE TITLE: FARM BUSINESS MANAGEMENT
NUMBER OF CREDITS: 4
PREREQUISITES: AGBU 1005, AGBU 1006, AGBU 2000 OR AGBU 2002
COURSE DESCRIPTION: Management Styles and Strategies. Decision Making in Agri-business. The Agri-business System. Competitive Analysis and Strategic Planning with particular reference to Agro-industry. Cooperatives and other organisational forms business control and analysis. Management of factors of production.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: III
SEMESTER: 1
COURSE CODE: AGBU 3001
COURSE TITLE: MARKETING AND PRICE ANALYSIS
NUMBER OF CREDITS: 4
PREREQUISITES: AGBU 1005 and AGBU 1006 OR
ECON 1001 and ECON 1002
COURSE DESCRIPTION: The management of agricultural marketing. International trade in agricultural commodities. Regional trading arrangements. Methods of price analysis including forecasting.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: III
SEMESTER: 2
COURSE CODE: AGBU 3002
COURSE TITLE: INTERNATIONAL MARKETING
OF AGRICULTURAL PRODUCTS
NUMBER OF CREDITS: 4
PREREQUISITES: AGBU 1005 and AGBU 1006 OR
ECON 1001 and ECON 1002
COURSE DESCRIPTION: International Marketing:
Institutions and Regulatory Framework; International Marketing Environment: International Market Entry Strategies, Exporting and Importing.

This course provides an understanding of the important concepts and issues involved in international marketing of agricultural products. Emphasis is given to the challenges Caribbean agri-businesses will face in the contemporary international business arena and the development/ examination of options for successfully penetrating targeted international markets.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: III
SEMESTER: 2
COURSE CODE: AGBU 3003
COURSE TITLE: INTRODUCTION TO ECOTOURISM:
PRODUCT DESIGN & MANAGEMENT
NUMBER OF CREDITS: 4
PREREQUISITES: NONE
COURSE DESCRIPTION: This course examines the way in which ecotourism could be designed and developed as a viable business opportunity, and as a contributor to sustainable development in the Caribbean. By the end of the course you should be able to define the concept within a framework of social and economic development. This goal will be achieved by taking you through the various components of eco-tourism, highlighting in particular, the business potential of the concept.
In this course, you will be supplied with tools to make practical decisions related to an ecotourism venture. No matter what your background maybe, you will find the concepts and perspectives contained in this course empower you to use ecotourism for more positive development. The material is developed with the specific needs of tropical small island states in mind.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: III
SEMESTER: 2
COURSE CODE: AGBU 3004
NOT OFFERED IN 2020/2021
COURSE TITLE: AGRICULTURAL FINANCE & FARM CREDIT
NUMBER OF CREDITS: 3
PREREQUISITES: AGBU 1005 AND AGBU 1006
COURSE DESCRIPTION: Capital requirements of Caribbean agriculture. Financial management of farm-firms. Financial markets and their operations. Investment principles in relation to application for processing of farm credit. Evaluation of agricultural credit programmes.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: III
SEMESTER: 2
COURSE CODE: AGBU 3005
COURSE TITLE: INTRODUCTION TO QUANTITATIVE METHODS IN ECONOMICS
NUMBER OF CREDITS: 3
PREREQUISITES: AGBU 1005, AGBU 1006 AND
AGRI 1003
COURSE DESCRIPTION: Review of functional relationships, basic calculus and matrix algebra. Methods in economic research. Regression models, basic linear programming concepts. Decision-making in profit minimisation and cost minimisation problems computer applications.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: III
SEMESTER: 1
COURSE CODE: AGBU 3006
COURSE TITLE: AGRICULTURAL PROJECT APPRAISAL
& IMPLEMENTATION
NUMBER OF CREDITS: 4
PREREQUISITES: AGBU 1005 and AGBU 1006 OR ECON 1001 and ECON 1002
COURSE DESCRIPTION: The nature of project appraisal and its role in planning. Financial analysis techniques, benefit cost analysis. Project implementation techniques. Application to cases.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: III
SEMESTER: 2
COURSE CODE: AGBU 3007
COURSE TITLE: NEW VENTURE CREATION AND MANAGEMENT
NUMBER OF CREDITS: 4
PREREQUISITES: AGBU 1005 OR AGBU 1006 OR ECON 1001 OR ECON 1002
COURSE DESCRIPTION: The hands-on tools and techniques for launching and managing a sustainable small business. Frameworks and guidelines that can be used to formulate strategies relevant in the contemporary business environment. Emphasis will be placed on real world application of business theory through the building of an effective business plan, case study analysis and interaction with entrepreneurs.
ASSESSMENT:

Coursework	40%
Examination	60%

LEVEL: III
SEMESTER: 4
COURSE CODE: AGBU 3008
COURSE TITLE: INTERNSHIP
NUMBER OF CREDITS: 4
PREREQUISITES: AGRI 1100
COURSE DESCRIPTION: Eight-week attachment to an agri-business firm to gain practical experience and training in an agri-business environment.
ASSESSMENT:
Coursework 100%
(Based on Workplace Supervisor's Report)

LEVEL: III
SEMESTER: 2
COURSE CODE: AGBU 3009
COURSE TITLE: INTERNATIONAL TRADE POLICY AND REGULATIONS
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
COURSE DESCRIPTION: This course covers agricultural and food policies from domestic and international trade perspectives. Course examines the role of international trade in agricultural development; current debates about the effects of globalisation on developing countries; evolution of trade policies in the context of the Uruguay Round GATT Agreement and the WTO, the Lome Convention, Regional and Bilateral trade agreements and arrangements. Course also examines the Agreement on Agriculture and Sanitary and Phytosanitary Measures and international regulations as well as emerging trade agreements with implications for agriculture (Economic Partnership Agreements, Commodity Protocols and Special Trading Arrangements) and gives an introduction to trade negotiations.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: III
SEMESTER: 1
COURSE CODE: AGBU 3010
NOT OFFERED 2020/2021
COURSE TITLE: ENVIRONMENTAL ECONOMICS
NUMBER OF CREDITS: 4
PREREQUISITES: AGBU 1005 AND AGBU 1002
COURSE DESCRIPTION: Human beings now face the challenge of sustainable development, where the needs are for cooperative alliances, and recycled waste flows. Environmental economics seeks to meet this challenge, and explores questions such as: Can we effectively develop policies to deal with the tricky issues of wealth distribution, population growth, international trade and energy in the world where more growth is no longer a simple solution? This course reviews underlying ecological economic theory, and shows how it can be applied to try to solve existing and emerging environmental problems
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: III
SEMESTER: 1 & 2
COURSE CODE: AGBU 3012
COURSE TITLE: PROJECT
NUMBER OF CREDITS: 4
PREREQUISITES: NONE
COURSE DESCRIPTION: A project within a subject area relevant to the student's degree option.
ASSESSMENT:

Project Report	80%
Oral Presentation	20%

*See Project Booklet for detailed guidelines
NOTE: Students will be examined at the end of the semester in which they are registered

AGCP - AGRICULTURE CROP SCIENCE

LEVEL: II
SEMESTER: 1
COURSE CODE: AGCP 2000
COURSE TITLE: BIOSYSTEMS ENGINEERING PRINCIPLES
NUMBER OF CREDITS: 3
PRE-REQUISITES: AGRI 1003
COURSE DESCRIPTION: Introduction to biosystems engineering; elementary surveying; farm planning and layout; animal waste management; selection of simple structural members; mechanical power and power units; electrical power and motors; sound and noise; insulation and heat flow; properties of moist air; thermal environment; ventilation and cooling systems for buildings; handling, moisture management and storage of biological products; irrigation; rainfall and surface run off; soil erosion and control.
ASSESSMENT:

Coursework	20%
Final Examination	80%

LEVEL: II
SEMESTER: 2
COURSE CODE: AGCP 2007
COURSE TITLE: POSTHARVEST TECHNOLOGY
NUMBER OF CREDITS: 3
PRE-REQUISITES: NONE
COURSE DESCRIPTION: The postharvest physiology and biochemistry of selected fruits, vegetables, root crops, grains and ornamentals; the postharvest environment, including pathological agents, with particular reference to these crops; physiological disorders; postharvest handling systems; introduction to basic equipment used in quality evaluation, refrigeration and storage systems and general postharvest produce management; introduction to postharvest biotechnology.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: II
SEMESTER: 1
COURSE CODE: AGCP 2101
COURSE TITLE: PRINCIPLES OF SUSTAINABLE CROP PRODUCTION – SCIENCE AND PRACTICE
NUMBER OF CREDITS: 3
PRE-REQUISITES: AGRI 1016
COURSE DESCRIPTION: Introduction to sustainable crop production- Key dimensions of sustainable crop production - increasing agricultural productivity, enhancing sustainable crop production, improving efficiency of inputs, managing biodiversity and ecosystem services, strengthening livelihoods. Agroecosystems the crop concept – biomass production. Environmental effects on crop growth. Integrated crop management - conservation and sustainable use of plant genetic resources for food and agriculture, crop improvement and cultivar selection; seed quality and seed germination; vegetative propagation; transplant technology for seedling and propagules; crop establishment and crop growth, and resource use efficiency; crop scheduling; cropping systems, conservation agriculture manipulation of environmental factors - site selection and tillage systems; planting density and arrangement, water and nutrition management. Integrated pest management. Pollination management. Yield concepts; harvesting, post-harvest handling. Examples of good farming practices for sustainable crop production in the Caribbean.
ASSESSMENT:

Coursework	100%

LEVEL: III
SEMESTER: 1
COURSE CODE: AGCP 3011
COURSE TITLE: MAJOR CARIBBEAN EXPORT CROPS
PRE-REQUISITES: AGCP 2101
COURSE DESCRIPTION: Historical, current and potential status of the industries of the export crops of major economic significance in the Caribbean including sugarcane, banana, coffee, cocoa, citrus, nutmeg and arrowroot; origin, distribution, markets and producers; plant morphology, physiology of growth and yield and environmental requirements; production technologies, cropping systems and their socio-economic and environmental consequences; post-harvest handling and utilization; impact of globalization, agricultural diversification and environmental concerns on new production systems including organic production, post-harvest handling and utilization in the Caribbean and other SIDS; crop production for value chains vs. commodity markets; production, post-harvest and utilisation constraints and research needs.
ASSESSMENT:

Coursework	40%
Final examination	60%

LEVEL: III
SEMESTER: 2
COURSE CODE: AGCP 3012
COURSE TITLE: TROPICAL FOOD CROPS
NUMBER OF CREDITS: 3
PRE-REQUISITES: AGCP 2101
COURSE DESCRIPTION: Traditional and improved production practices and systems for the major Caribbean food crops: starchy staples (tropical root crops, breadfruit, plantain, green bananas), vegetables and grain legumes. Production constraints and socio-economic issues relevant to production sustainability and Caribbean food security. Post-harvest handling systems for these crop groups. Alternative methods of utilization suitable for the Caribbean region.
ASSESSMENT:

Coursework	60%
Final Examination	40%

LEVEL: III
SEMESTER: 1
COURSE CODE: AGCP 3014
COURSE TITLE: PRINCIPLES OF COMMODITY UTILISATION
PRE-REQUISITES: NONE
COURSE DESCRIPTION: Definition of value-added concept; principles involved in the transition from primary to secondary and tertiary level products; factors affecting alternative utilization of agricultural crops; production-led marketing versus market-driven production; quality management and utilization of value-added crop products from: banana, sugar cane, cocoa, coffee, coconuts, pineapple, cassava, sweet potato, aroids, yam, citrus, plantain, breadfruit, avocado, mango, sapodilla, soursop, tamarind, limes, breadnut, immature vegetables, leafy vegetables, fruit-type vegetables, flower-type vegetables, corn, rice, pigeon peas, black eye, ginger, turmeric, nutmeg and mace; sanitation, hygiene and waste, recovery; biotechnology of crop products: benefits and concerns.
ASSESSMENT:

Coursework	40%
Final examination	60%

LEVEL: III
SEMESTER: 2
COURSE CODE: AGCP 3101
COURSE TITLE: SUSTAINABLE VEGETABLE PRODUCTION
(To alternate with AGCP 3102 – Sustainable Fruit Crop Production; offered in odd years)
NUMBER OF CREDITS: 3
PRE-REQUISITES: AGCP 2101 and AGRI 2001
COURSE DESCRIPTION: Importance of vegetables in human nutrition; the vegetable industry globally with special reference to tropical vegetables; Caribbean industry; classification of vegetables; growth and development and environmental requirements; production practices; ecological soil management - use of living barriers, ground cover, contour ploughing and conservation; composting; deficiencies and diagnosis; nutrition and fertilization; water management and irrigation methods; diagnosis and IPM/ecological management of pests, diseases and weeds of vegetables; sustainable vegetable production systems, including permaculture, protected production and hydroponics; key vegetable crop groups: leafy vegetables, solanaceous fruits, cucurbits, legumes and stems; mushroom production; harvest and postharvest handling; marketing of vegetables; economics of vegetable production; hydroponics and protected production.
ASSESSMENT:

Coursework	100%

LEVEL: III
SEMESTER: 2
COURSE CODE: AGCP 3102
COURSE TITLE: SUSTAINABLE FRUIT CROP PRODUCTION
(To alternate with AGCP 3101 – Sustainable Vegetable Crop Production; offered in even years)
NUMBER OF CREDITS: 3
PRE-REQUISITES: AGCP 2101
COURSE DESCRIPTION: The importance of fruit crops – human health, socio-economic, environmental benefits; the status and major characteristics of the fruit crop industry, with special reference to tropical fruits; the fruit crop sub-sector in the Caribbean; markets for tropical fruits and fruit products; market specifications; fruit crop cultivars – selection, breeding, biotechnology; growth and development of selected fruit crop species – annual herbaceous, herbaceous perennials, woody perennials; fruit growth and maturation; yield development; environmental factors affecting fruit crop growth and yield; sustainable production management: site selection; production systems – monocultural, polycultural, organic; site preparation; field layout; planting material selection and quality; plant population and planting arrangement; field establishment; training; crop phenology and nutrition, water and size management; pest and disease management; harvesting and post-harvest handling.; economics of fruit crop production.
ASSESSMENT:

Coursework	100%

LEVEL: III
SEMESTER: 1
COURSE CODE: AGCP 3103
COURSE TITLE: COMMERCIAL FLORICULTURE
(To alternate with AGCP 3104 – Plant Propagation and Nursery Management; offered in even years
NUMBER OF CREDITS: 3
PRE-REQUISITES: AGCP 2101
COURSE DESCRIPTION: The status of the international floriculture industry with special attention to the Caribbean and the importance of tropical species. People plant relations. Greenhouse production of potted foliage and flowering plants, greenhouse selection, management of the green house environment, crop scheduling and management. Field production of cut flowers and cut foliage. After-sales potted plant care, post-harvest management and utilization of cut flowers.
ASSESSMENT:
Coursework 100%

LEVEL: III
SEMESTER: 1
COURSE CODE: AGCP 3104
COURSE TITLE: PLANT PROPAGATION AND NURSERY MANAGEMENT
(To alternate with AGCP 3103 – Commercial Floriculture; offered in odd years)
NUMBER OF CREDITS: 3
PRE-REQUISITES: AGCP 2101 and AGRI 2001
COURSE DESCRIPTION: The plant nursery industry – products, markets, producers, organisation, linkages, the industry in the Caribbean; plant propagation – seedling and rootstock production, vegetative propagation (macro- and micropropagation techniques), acclimatisation; planting material quality – standards; plant nurseries - site selection and utilities, covered and field nurseries, layout; propagation facilities design – indoor: seedling houses, facilities for micro- and macropropagation and outdoor ; environmental management – light, temperature, water, RH, gaseous exchange; propagation and growing media selection and management; containers; cultural practices; mechanisation of nursery operations; human resource requirements; marketing and consumer relations.
ASSESSMENT:
Coursework 100%

LEVEL III
SEMESTER: 2
COURSE CODE: AGCP 3105
COURSE TITLE: ECOPHYSIOLOGY OF TROPICAL FIELD AND HORTICULTURAL CROPS
NUMBER OF CREDITS: 3
PRE-REQUISITES: AGCP 2101 OR BIOL 2761 (Plant Physiology)
COURSE DESCRIPTION:
Fundamental concepts and techniques of crop biochemistry, ecology and physiology; ecophysiological responses to light quality, quantity and duration; temperature and water; crop adaptations to biotic and abiotic stress; seed physiology, dormancy and germination; seedling growth and development; crop growth and development, biomass productivity, resource allocation, competition; yield development; density; ecophysiology of specific tropical field and horticultural crops: cereals (corn, rice), root crops (sweet potato, cassava, yam), legumes (pigeon pea, cowpea), vegetables (curcubits, solanaceous crops, leafy vegetables), fruit (watermelon, banana, papaya, pineapple, mango, citrus), tree crops (cocoa, coffee) ornamental species (trees, potted plants, turfgrass); climate change – effect on crop production.
ASSESSMENT:
Coursework 100%

LEVEL: III
SEMESTER: 2
COURSE CODE: AGCP 3106
COURSE TITLE: ORGANIC AGRICULTURE
NUMBER OF CREDITS: 3
PRE-REQUISITES: AGSL 1001, AGLS 2101 and AGCP 2101
COURSE DESCRIPTION: History, principles, concepts, and techniques of organic agriculture; factors influencing development of organic agricultural systems; health and ethics in organic production; marketing of organically-grown horticultural crops; biological, social, and economic components of organic farming systems including soil and water management, cultural practices, pest control, harvest and postharvest handling, marketing of organic products, and organic agriculture policy; issues and conflicts in perception of consumers and producers in the Caribbean context.
ASSESSMENT:
Coursework 60%
Final examination 40%

LEVEL: III
SEMESTER: 2
COURSE CODE: AGCP 3107
COURSE TITLE: PEST DIAGNOSTICS
NUMBER OF CREDITS: 3
PRE-REQUISITES: AGCP 2101 and AGRI 2001
COURSE DESCRIPTION: Introduction to SPS issues (international agreements and standards, pest risk assessment, hazard analysis and pest risk management); plant disease and pest diagnostic technology training (hands-on laboratory and distance diagnostics, use of microscopy, imaging, culturing, taxonomic keys, internet resources, determinative tests, serology, PCR); diagnosis of diseases caused by virus, bacteria, fungi, fungal-like pathogens, nematodes; identification of the major groups of insect pests; identification of major weed pests; in depth case studies of critical pathogen, insect, nematodes and weed pests; pest diagnostic data management; SPS systems; international plant diagnostic; network clinic information
ASSESSMENT:

Coursework	60%
Final examination	40%

LEVEL: III
SEMESTER: 2
COURSE CODE: AGCP 3108
COURSE TITLE: ADVANCED TROPICAL CROP PROTECTION
NUMBER OF CREDITS: 3
PREREQUISITES: AGRI 2001 and AGCP 2101
COURSE DESCRIPTION: Ecological plant pathology: isolation, identification and preservation of pathogens; -taxonomy of common fungal and bacterial pathogens and their life cycles; epidemiology of phytopathogens (spread and survival); disease forecasting; economically important fungal and bacterial diseases in the Caribbean; pathogenic soil-borne fungi; post-harvest diseases. Control of phytopathogens: biological control of soil-borne and aerial pathogens; cultural practices; breeding for resistance; plant quarantine.
ASSESSMENT:

Coursework	60%
Final examination	40%

LEVEL: III
SEMESTER: 2
COURSE CODE: AGCP 3200
COURSE TITLE: CROP BREEDING
NUMBER OF CREDITS: 3
PRE-REQUISITES: AGRI 1011
COURSE DESCRIPTION: Introduction to plant breeding; modes of reproduction and pollination control; genetics in relation to plant breeding; origin of crop plants, germplasm conservation, evaluation and utilization; principles of breeding self-pollinated crops; principles of breeding cross pollinated crops; methods of breeding self-pollinated crops; methods of breeding cross pollinated crops; methods of breeding cross pollinated varieties – hybrid and synthetic varieties; breeding for biotic stresses; breeding for abiotic stresses; breeding for quality; biotechnology in crop genetic enhancement.
ASSESSMENT:

Coursework	60%
Final examination	40%

AGEX - AGRICULTURE EXTENSION

LEVEL: I
SEMESTER: 1
COURSE CODE: AGEX 1000 (REPLACED BY AGEX 1003)
COURSE TITLE: CARIBBEAN AGRICULTURE IN PERSPECTIVE: EVOLUTION, SOCIOLOGY AND CONTEMPORARY ISSUES
NUMBER OF CREDITS: 4
PREREQUISITES: NONE
COURSE DESCRIPTION: This course provides an understanding of the evolution of Caribbean Agriculture, including the plantation and peasantry systems Students are given an overview of the structure of the sector in terms of the crops, livestock, fisheries, forestry and value-added agribusiness. The multifunctional role and contribution of the sector to food and nutrition security, livelihoods, the environment and sustainable rural development are examined. The course includes a study of stratifications and social structures, as well as rural versus urban life and the role of the mass media in Caribbean societies. The course concludes with an examination of contemporary issues and an insight into the way forward for Caribbean agriculture.
ASSESSMENT:

Coursework:	40%
Final Examination:	60%

LEVEL: I
SEMESTER: 1
COURSE CODE: AGEX 1001
COURSE TITLE: INTRODUCTION TO TEACHING AND LEARNING IN EXTENSION
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
COURSE DESCRIPTION: This course content is designed to develop andragogy with specific subject matters in extension in order to equip students with the fundamental building blocks to facilitate an agriculture extension programme in a formal and non-formal setting. The course will introduce students to the development, nature and scope of teaching agriculture as part of a school agriculture programme and teaching agriculture to adults. Students will be exposed to various strategies adopted and special considerations in teaching agriculture. Students will also explore the fundamentals of extension and outreach education, programme development and evaluation and adult education.
ASSESSMENT:

Coursework:	100%

LEVEL: I
SEMESTER: 2
COURSE CODE: AGEX 1002
COURSE TITLE: INTRODUCTION TO THE FUNDAMENTAL THEORIES IN EXTENSION
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
COURSE DESCRIPTION: This course content will provide students with the foundation required to pursue a study in extension, as it is viewed as one of the pillars driving agricultural development globally. Students will learn the history, development and future of agricultural extension. The course will expose students to the context of extension in agricultural and rural development and explore the principles of participatory rural appraisal. The course will also analyse several theoretical approaches including pluralistic extension, modernized extension advisory and the new extensionist.
ASSESSMENT:

Coursework:	60%
Final Examination:	40%

LEVEL: I
SEMESTER: 1
COURSE CODE: AGEX 1003
COURSE TITLE: DEVELOPMENT OF CARIBBEAN AGRICULTURE
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
COURSE DESCRIPTION: Development of Caribbean Agriculture is a revision of AGEX 1000 Caribbean Agriculture in Perspective: Evolution, Sociology and Contemporary Issues. This course provides a chronological sequence of major events in Caribbean history that helped to shape modern day agriculture. It deals with the plantation and peasantry systems and the associated period of indentureship. It leads the student to understand how these events led to the structure of the modern day agriculture sector in terms of crops, livestock, fisheries, forestry and value-added agribusiness. The multifunctional role and contribution of the sector to food and nutrition security, livelihoods, the environment and sustainable rural development is discussed in some detail. As of necessity, some sociological concepts including social structure and social stratification, rural/urban characteristics and the issue of gender in Caribbean farming is elaborated. At the close of this course, some modern technological advances in agriculture in various parts of the region are presented mainly for students awareness as these are detailed in future courses.
ASSESSMENT:

Coursework:	60%
Final Examination:	40%

LEVEL: II
SEMESTER: 1
COURSE CODE: AGEX 2001
COURSE TITLE: OPERATION AND MANAGEMENT OF EXTENSION PROGRAMMES
NUMBER OF CREDITS: 4
PREREQUISITES: AGEX 1000 OR BIOL 1065 OR 1261
COURSE DESCRIPTION: Opportunities for programme delivery within communities. Skills for programme development. The support environment for programme delivery. Alternative strategies for community based programmes. Needs assessment methodologies. The Adult Learner. Group Behaviour. Leadership. Evaluation. Assessing Clients for Programme Delivery.
ASSESSMENT:

Coursework:	40%
Final Examination:	60%

LEVEL: II
SEMESTER: 2
COURSE CODE: AGEX 2002
COURSE TITLE: METHODOLOGIES IN TEACHING AGRICULTURE PROGRAMMES
NUMBER OF CREDITS: 3
PREREQUISITES: AGEX 1001
COURSE DESCRIPTION: This course builds upon the fundamentals developed from an Introduction to Teaching and Learning Extension by exposing students to a more advancement treatment of andragogy and a more practical experience in teaching agriculture. The content is designed for students to develop skills in adult education with specific subject matters in agriculture in order to equip students with the advanced skill sets as educators facilitating formal and non-formal agriculture programmes. The course will expose students to programme development, and evaluation including planning and managing educational programme, developing and improving facilities and resources, maintain positive community and professional relationship and evaluating agricultural education programmes. Students will be covering special considerations in teaching agriculture such as teaching agri-science, using computers and instructional media and teaching professional growth and improvement. Students will also explore the development, implementation and evaluation of supervised agricultural experience programmes and post-secondary adult education programmes.
ASSESSMENT:

Coursework:	100%

LEVEL: II
SEMESTER: 1
COURSE CODE: AGEX 2003
COURSE TITLE: INVESTIGATIVE TOOLS AND TECHNIQUES FOR EXTENSION
NUMBER OF CREDITS: 3
PREREQUISITES: AGEX 1002 OR AGRI 1003
COURSE DESCRIPTION: This course content will introduce students to the tools and techniques used in modern day extension research. Students will learn fundamental statistical principles such as how data is classified, measures of central tendencies and dispersion, sampling frameworks and common statistical analysis used in extension research such as probability distributions, chi square analysis and ANOVA. This course will also expose students to specific extension tools and techniques such as scales and scaling, focus groups, needs assessments including the Borich model, Delphi studies, constant comparative analysis and social network analysis and mapping. The students will also explore the techniques used in participatory rural appraisal and other learning techniques. This course is geared towards equipping students with the technical tools and skills sets to conduct extension research.
ASSESSMENT:

Coursework:	60%
Final Examination:	40%

LEVEL: II
SEMESTER: II
COURSE CODE: AGEX 2004
COURSE TITLE: COMMUNICATION FOR FOOD SYSTEM INNOVATION AND SOCIAL CHANGE
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
COURSE DESCRIPTION: This interdisciplinary course introduces conceptual and practical aspects of communication for innovation and social change processes, in agriculture and rural development. It focuses on role of communication in processes of individual and collective change to improve sustainable livelihoods, in global (e.g. FAO, World Bank, CGIAR, GFRAS, GFAR, OECD) and regional context (Caribbean, Asia, Africa and Latin America). The course concentrates on crosscutting issues, from technological innovations to social and organizational change, in the thematic areas of agriculture, food, health and natural resources management. The course prepares students to undertake professional work in two ways: i) by fostering understanding about human communication (especially in the context of agricultural extension and rural development change), and ii) by informing future communication practitioners on how to stimulate and manage change processes and contribute to societal problem solving. This course prepares students to become familiar with conceptual and practical aspects of the innovation systems and communicative interventions, with especial attention to interactive (participatory) modes of developing policy, client-oriented services and well-adapted socio-technical innovations. Also, students will be introduced to key attitudes, values and skills necessary for facilitating innovation and change processes in agriculture and rural development sector.
ASSESSMENT:

Coursework:	70%
Final Examination:	30%

LEVEL: II
SEMESTER: I
COURSE CODE: AGEX 2005
COURSE TITLE: THE FUNDAMENTALS OF EXTENSION PROGRAMMING
NUMBER OF CREDITS: 3
PREREQUISITES: AGEX 1002 AND AGEX 1003
COURSE DESCRIPTION: AGEX 2005 – Fundamentals of Extension Programming is a revision of AGEX 2001 – Operations and Management of Extension Programmes. This course provides the learner with opportunities and experiences to understand how programmes are conducted within the guidelines of Extension philosophy and practice. It presents an understanding of how learners may place a strategy and method to extend knowledge to potential clients regarding selected knowledge points. Such programmes are designed to initiate important community activity with regard to an existing state of affairs which needs improvement.
ASSESSMENT:

Coursework:	70%
Final Examination:	30%

LEVEL: III
SEMESTER: 2
COURSE CODE: AGEX 3000
COURSE TITLE: TECHNOLOGY TRANSFER IN AGRICULTURE
NUMBER OF CREDITS: 3
PREREQUISITES: AGEX 1000 OR AGEX 1003
COURSE DESCRIPTION: Technology transfer has backward and forward linkages to technology development and other processes. The course gives a broad perspective of the overall agricultural systems and a closer understanding of agricultural knowledge and information systems in the Caribbean. The course will enable students to have a holistic perspective in approaching their work in relevant organizations. In this course, students are exposed to practice in a variety of settings. The course gives an adequate look at technology transfer in farming and its multifunctional purpose in Caribbean societies, so that students would gain a holistic understanding of the importance of extension activities.
ASSESSMENT:

Coursework:	40%
Final Examination:	60%

LEVEL: III
SEMESTER: 2
COURSE CODE: AGEX 3001
COURSE TITLE: ISLAND FOOD SYSTEMS
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
COURSE DESCRIPTION: Island Food Systems is designed to provide students with learning experiences which articulate an understanding of a collection of appropriate issues in the context of Sustainability, Livelihood, Equity and Governance (SLEG). This course provides the students with opportunities and experiences to understand how food systems on islands function and its susceptibility to external forces driven by globalization.
ASSESSMENT:

Coursework:	40%
Final Examination:	60%

LEVEL: III
SEMESTER: 1
COURSE CODE: AGEX 3003
COURSE TITLE: GENDER ISSUES IN AGRICULTURE
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
COURSE DESCRIPTION: This course provides the learner with opportunities and experiences to discourse topics of Gender in Agriculture. The course will discuss these issues from the viewpoint of feminist scholarship and masculinity theories. Students are expected to conclude with ways of incorporating Gender considerations which can improve the productivity within the Agricultural sector.
Agriculture continues to be an important industry for the economies of the Caribbean. While there are many efforts by all stakeholders to improve Agriculture's contribution to GDP, the sector is challenged almost on every developmental front. This course articulates an understanding of the Gender Issues which confront the sector. Students will be introduced to the concepts in Gender and methods of Gender Analyses. They will specially learn about Gender relations and gender roles as they pertain to expectations within the Agriculture sector. They will be introduced to important aspects of the region's agriculture sector.
ASSESSMENT:

Coursework:	40%
Final Examination:	60%

(Also offered to students reading relevant Minors and Majors in the Faculty of Social Sciences and the Faculty of Humanities & Education)

LEVEL: III
SEMESTER: 1
COURSE CODE: AGEX 3004
COURSE TITLE: COMMUNICATION SKILLS FOR PROFESSIONALS
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
COURSE DESCRIPTION: The course provides key concepts and skills for various types of communications 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 programmes involving the use of several media. While it cannot give you the skills to cover all communicative situations, the course provides a solid base on which you can build in your professional life ahead.
ASSESSMENT:

Coursework:	40%
Final Examination:	60%

LEVEL: III
SEMESTER: 1 and 2
COURSE CODE: AGEX 3012
COURSE TITLE: RESEARCH PROJECT
NUMBER OF CREDITS: 4
PREREQUISITES: NONE
COURSE DESCRIPTION: This course content is designed to engage students in the academic research process using a scientific research methodology prescribed within the discipline of agriculture extension. Students pursuing this course will engage in identifying research problems, defining research objectives, testing research hypotheses, implementing data collection methods and presenting and defending a research report.
ASSESSMENT:

Project Report:	80%
Oral Presentation:	20%

*See Project Booklet for detailed guidelines
Students will be examined at the end of the semester in which they are registered.

AGLS - AGRICULTURE LIVESTOCK SCIENCE

LEVEL: I
SEMESTER: 1
COURSE CODE: AGLS 1001
COURSE TITLE: ANATOMY AND PHYSIOLOGY OF ANIMALS
NUMBER OF CREDITS: 3
PRE-REQUISITES: NONE
COURSE DESCRIPTION: Brief introduction to comparative anatomy and physiology of livestock including muscle and growth, circulation, respiration, digestion, reproduction, lactation, immunology, endocrinology and tropical environmental stress.
ASSESSMENT:

Coursework	40%
Examination	60%

LEVEL: II
SEMESTER: 2
COURSE CODE: AGLS 2001
COURSE TITLE: ANIMAL HEALTH AND MANAGEMENT
NUMBER OF CREDITS: 3
PRE-REQUISITES: AGLS 1001
COURSE DESCRIPTION: Health and disease; public health, veterinary medicine and food security; losses caused by diseases; the environment and management and animal diseases; epidemiology ,public health and zoonosis, elements of milk and meat hygiene; predisposition to disease; causes of disease; body defences and immunity; immunity and inflammation, bio security and disease surveillance; prophylaxis and vaccinations, bio diagnosis of disease; clinical examination; disease prevention and control; control of helminth diseases; diseases of newborn/neonate; chagas' disease; trichomoniasis; coccidiosis, cryptosporidiosis, toxoplasmosis, babesiosis, anaplasmosis, fascioliasis,, paramphistomosis, Moniezia, taeniasis, haemonchosis, dictyocaulosis, oesophagostomosis, stephanurosis, bunostomosis, metastrongylosis, ascariasis, trichinellosis, screwworm, ticks, vampire bats, foot-and-mouth disease/aftosa, swine fever/hog cholera; rabies; heartwater; cowdrosis; Newcastle disease; fowl pox; chronic respiratory disease, aspergillosis, pullorum; mastitis; Johne's disease/paratuberculosis; pasteurellolsis; brucellosis; tuberculosis; anthrax; type D enterotoxaemia; blackleg; tetanus; footrot; dermatophilosis; neonatal diseases; parturient paresis; hypomagnesaemic tetany; pregnancy toxaemia; neonatal diseases and breeding for disease resistance; milk and meat hygiene.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: II
SEMESTER: 2
COURSE CODE: AGLS 2004
COURSE TITLE: LIVESTOCK PRODUCTS TECHNOLOGY
NUMBER OF CREDITS: 3
PRE-REQUISITES: NONE
COURSE DESCRIPTION: Technology of milk, meat products and eggs; including quality, consumer demand, methods of storage, distribution and processing, preparation and market presentation. Skin preservation, processing and grading. Field visits.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: II
SEMESTER: 1
COURSE CODE: AGLS 2101
COURSE TITLE: PRINCIPLES OF LIVESTOCK SCIENCE AND PRODUCTION
NUMBER OF CREDITS: 3
PRE-REQUISITES: AGLS 1001
COURSE DESCRIPTION: Overview of the animal industry in the Caribbean; animal contribution to human needs, animal species and breeds characteristics; animal breeding: genetics, heritability and genetic improvement, mating systems; animal nutrition principles: the digestive and metabolic systems, nutrients and their sources, nutrition of non-ruminants and ruminants; physiology of reproduction; physiology of growth and development: animal growth and carcass composition; animal behaviour and welfare; principles of animal health; ruminant and non-ruminant production systems; neo-tropical animals and non-domestic species, animal production and the environment; contemporary issues in animal agriculture; quality of animal products and human health.
ASSESSMENT:

Coursework	50%
Final Examination	50%

LEVEL: II
SEMESTER: 2
COURSE CODE: AGLS 2102
COURSE TITLE: FUNDAMENTALS OF ANIMAL NUTRITION
NUMBER OF CREDITS: 3
PRE-REQUISITES: AGLS 1001
COURSE DESCRIPTION: The role of animal nutrition in modern agriculture; review of the alimentary canals of livestock; digestion and absorption of carbohydrates, fats and proteins in farm animals; nutrients; evaluation of feedstuffs; feeds and feeding; feeding standards and productivity; maintenance, growth, pregnancy and lactation; computation of rations.
ASSESSMENT:

Coursework	50%
Final Examination	50%

LEVEL: III
SEMESTER: 1
COURSE CODE: AGLS 3000
COURSE TITLE: POULTRY PRODUCTION
NUMBER OF CREDITS: 3
PRE-REQUISITES: AGLS 1001
COURSE DESCRIPTION: Structure of the poultry industry in CARICOM countries with emphasis on chickens. Species of poultry of commercial importance. Management practices including physiology, breeds and breeding, health maintenance, nutrition and feeding, housing and waste management, equipment, incubation (including hatchery management) and brooding. The rearing of breeder flocks, layers and broilers. Records, maintenance, handling, processing and marketing of poultry products.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: III
SEMESTER: 1
COURSE CODE: AGLS 3003
COURSE TITLE: RUMINANT PRODUCTION SYSTEMS
NUMBER OF CREDITS: 3
PRE-REQUISITES: AGLS 1001, AGLS 2002/AGLS 2102 AND AGLS 2005/AGLS 2001
COURSE DESCRIPTION: Structure of the ruminant industry in CARICOM, brief physiology of ruminants, management practices including breeds and breeding, feeding, health and disease prevention and control, housing and waste management, record keeping, planning new enterprises and use of new technologies. Systems of production for beef and dairy cattle, water buffalo, sheep and goats.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: III
SEMESTER: 2
COURSE CODE: AGLS 3004
COURSE TITLE: NON-RUMINANT PRODUCTION SYSTEMS
NUMBER OF CREDITS: 3
PRE-REQUISITES: AGLS 2002 AND AGLS 2005
COURSE DESCRIPTION: Structure of the pig, poultry and rabbit industries in the CARICOM region; management practices including physiology, breeds and breeding, feeding, health, housing and waste management, record keeping, technology and planning of an enterprise. Systems of production for pigs, poultry and rabbits.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: III
SEMESTER: 1
COURSE CODE: AGLS 3008
COURSE TITLE: APPLIED ANIMAL PHYSIOLOGY
NUMBER OF CREDITS: 3
PRE-REQUISITES: AGLS 1001
COURSE DESCRIPTION: The course will focus on applied reproductive physiology including assisted reproductive technologies including estrous synchronization, embryo transfer, superovulation, semen evaluation and cloning, manipulation of lactogenesis and galactopoiesis; modification of the digestive process including use of enzymes, feed additives, and feed processing to enhance rumen by-pass capacity, nutritional management to reduce environmental pollution, modify product composition and reduce metabolic disorders; modification of the growth process including the use of growth promotants and repartioning agents; Stress physiology and manipulation of the Hypothalamo-Pituitary-Adrenal axis; transgenesis to enhance productivity and or change products and; nutrition reproduction interactions.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: III
SEMESTER: 2
COURSE CODE: AGLS 3200
COURSE TITLE: ANIMAL BREEDING
NUMBER OF CREDITS: 3
PRE-REQUISITES: AGRI 1011
COURSE DESCRIPTION: State of art of modern animal breeding ; Mendelian, population and quantitative genetics; traits; genetics of simply inherited, quantitative, threshold and economic traits in animals; introductory animal breeding; selection and improvement of animal populations; selection principles and methods; pedigree, collateral relatives and progeny testing ; sire summaries and ONBS; breeding and improvement of animals; statistics and genetic models for traits, heritability, repeatability; correlated responses; mating systems and multi-trait selection; tropical livestock breeding; conservation genetics; modern technologies in animal breeding.
ASSESSMENT:

Coursework	40%
Final Examination	60%

AGRI - AGRICULTURE

LEVEL: I
SEMESTER: 2
COURSE CODE: AGRI 1003
COURSE TITLE: MATHEMATICS FOR SCIENTISTS
NUMBER OF CREDITS: 3
PRE-REQUISITES: NONE
COURSE DESCRIPTION: Review of Numbers, Indices and Logarithms Basic linear algebra, Functions, Graphs, Differential and Integral Calculus. Elements of Matrix Algebra.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: I
SEMESTER: 2
COURSE CODE: AGRI 1010
COURSE TITLE: INTRODUCTION TO CROP AND LIVESTOCK PRODUCTION
NUMBER OF CREDITS: 4
PRE-REQUISITES: NONE
COURSE DESCRIPTION: Introduction to fundamental concepts of crop and livestock production. Provides an overview of crop production and deals with the major species of livestock in the CARICOM region, along with the factors that affect their productivity and profitability.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: I
SEMESTER: 2
COURSE CODE: AGRI 1011
COURSE TITLE: INTRODUCTION TO GENERAL GENETICS
NUMBER OF CREDITS: 3
PRE-REQUISITES: NONE
COURSE DESCRIPTION: Review of historical development of genetics and its contribution to society. Study of basic principles of heredity including Mendel's Laws, incomplete dominance, sex determination and sex linkage. Extension of Mendelian genetics to Population and Quantitative genetics; Chemical basis of heredity, genetic variation and recombinant DNA technology.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: I
SEMESTER: 1
COURSE CODE: AGRI 1012
COURSE TITLE: MICROBIOLOGY
NUMBER OF CREDITS: 3
PRE-REQUISITES: NONE
COURSE DESCRIPTION: Microbiology as a fundamental study of bacteria, fungi and viruses, their structure and growth, genetic recombination in bacteria and microbial control. Food-borne diseases and Hazard Analysis and Critical Food Point System (HACCP). A study of the ecology of microorganism, and the roles of microorganisms in agriculture, technology and human.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: I
SEMESTER: 2
COURSE CODE: AGRI 1013
COURSE TITLE: INTRODUCTION TO BIOCHEMISTRY
NUMBER OF CREDITS: 3
PRE-REQUISITES: NONE
COURSE DESCRIPTION: The course will cover biomolecules including nucleotides and nucleic acids, proteins and amino acids, carbohydrates and lipids; Enzymes, including enzymatic catalysis, enzyme kinetics, regulation and inhibition; metabolism including, glycolysis, citric acid cycle, electron transport and oxidative phosphorylation, gluconeogenesis, glycogenolysis, lipogenesis, lipolysis, photosynthesis, amino acid metabolism, nucleotide metabolism; gene expression and replication including DNA repair, replication and recombination, transcription and RNA processing, translation and regulation of gene processing.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: I
SEMESTER: 2
COURSE CODE: AGRI 1016
COURSE TITLE: PLANT ANATOMY AND PHYSIOLOGY
NUMBER OF CREDITS: 3
PRE-REQUISITES: NONE
COURSE DESCRIPTION: Introduction to the evolution, taxonomy and diversity of crop plants; support, transport and protective tissues; root and stem structure and modifications. Organs of perennation. Major C_4 and C_3 crop plants; Floral structure and seed dispersal. Fruit classification. Water relations of cells and whole plants; photosynthesis, translocation assimilate partitioning and plant productivity; ion uptake and mineral nutrition; germination, dormancy and seedling establishment; regulation of growth and development by hormonal and environmental factors: introduction to plant growth and analysis.
ASSESSMENT:

Coursework	70%
Final Examination	30%

LEVEL: 1
SEMESTER: SUMMER
COURSE CODE: AGRI 1100
COURSE TITLE: PRACTICAL TECHNIQUES AND TOOLS IN AGRICULTURE
NUMBER OF CREDITS: 4
PRE-REQUISITES: NONE
COURSE DESCRIPTION: Nursery operation; field crops; livestock; agricultural equipment and machinery; conservation and sustainability; waste management; agro-processing; farm management.
ASSESSMENT:

Coursework	70%
Final examination	30%

LEVEL: 1
SEMESTER: 2
COURSE CODE: AGRI 1102
COURSE TITLE: CRITICAL THINKING, INFORMATION LITERACY AND COMMUNICATION
NUMBER OF CREDITS: 3
PRE-REQUISITES: NONE
COURSE DESCRIPTION: Basic concepts in communication; steps in effective communication; print media/writing; oral presentation; information and communication technologies; information literacy and research skill development; exercises in critical thinking.
ASSESSMENT:

Coursework	60%
Final examination	40%

LEVEL: II
SEMESTER: 2
COURSE CODE: AGRI 2001
COURSE TITLE: TROPICAL CROP PROTECTION
NUMBER OF CREDITS: 3
PRE-REQUISITES: AGSL 1001 and AGRI 1016
COURSE DESCRIPTION: The nature and extent of pest damage in the tropics and the roles of various pest agents-insects, mites, nematodes, weeds, pathogens, vertebrate pests. Biology and ecology of tropical pests and the concept of pest threshold levels. Principles of pest control-cultural, biological, chemical, legislative. Pesticide for crop pest management, formulations and application. Pesticide safety concepts. Integrated pest management.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: II
SEMESTER: 1
COURSE CODE: AGRI 2003
COURSE TITLE: FUNDAMENTALS OF APPLIED STATISTICS
NUMBER OF CREDITS: 3
PRE-REQUISITES: AGRI 1003 OR EQUIVALENT
COURSE DESCRIPTION: Overview; descriptive statistics; introduction to normal and binomial distributions; Central limit theorem; statistical inference about mean: single and two samples problems; attribute data analysis; experimental design and analysis of variance; simple linear regression; correlation.
ASSESSMENT:

Coursework	50%
Final Examination	50%

LEVEL: II
SEMESTER: 1
COURSE CODE: AGRI 2100
COURSE TITLE: CURRENT ISSUES IN AGRICULTURE
NUMBER OF CREDITS: 2
PRE-REQUISITES: NONE
COURSE DESCRIPTION: Trends in food and food issues; population world trade and agriculture; climate change and agriculture; biodiversity and agriculture; technology and agriculture; small states and agriculture; land management and agricultural production; multi-functionality of agriculture.
ASSESSMENT:

Coursework	100%

LEVEL: II
SEMESTER: SUMMER
COURSE CODE: AGRI 2300
COURSE TITLE: INTERNSHIP - SUMMER
NUMBER OF CREDITS: 6
PRE-REQUISITES: AGRI 1100
COURSE DESCRIPTION: Hands-on experience in agricultural activities on accredited commercial, semi-commercial, research or marketing institutions in any Caribbean country.
ASSESSMENT:

Coursework	100%
Host Evaluation	*35%*
Student Report	*50%*
Coordinator Evaluation	*15%*

LEVEL: III
SEMESTER: 1
COURSE CODE: AGRI 3012
COURSE TITLE: AGRICULTURAL BIOTECHNOLOGY
NUMBER OF CREDITS: 3
PRE-REQUISITES: AGRI 1013 AND AGRI 1011
COURSE DESCRIPTION: This course will cover the application of biotechnology in amelioration of productivity of soils, livestock and poultry, crops and horticulture, and food production/quality.
ASSESSMENT:

Coursework	100%

LEVEL: III
SEMESTER: 2
COURSE CODE: AGRI 3020
COURSE TITLE: FOOD MICROBIOLOGY
NUMBER OF CREDITS: 3
PREREQUISITES: AGRI 1012, ENRM 1004, ENRM 2004 or any equivalent Fundamental Microbiology course
COURSE DESCRIPTION: In this course, the history and development of food microbiology, characteristics of predominant microorganisms in food and their significance, extrinsic and intrinsic factors influencing microbial growth in foods, harmful aspects of microorganisms, beneficial applications of microorganisms in fermentation, methods of food preservation and predictive food microbiology are covered. By using conventional and molecular laboratory techniques, various food-borne pathogens and food spoilage a microbes in food samples are determined. The course also addresses various food safety management systems such as by ISO 22000 and Hazard Analysis and Critical Control Point (HACCP) and Food Safety Modernization Act (FSMA). Teaching is by using a blended format on MyeLearning, face to face lectures and laboratory practical.
ASSESSMENT:

Coursework	40%
Final Examination	60%

AGSL – AGRICULTURE SOIL SCIENCE

LEVEL: 1
SEMESTER: 1
COURSE CODE: AGSL 1001
COURSE TITLE: SOILS AND THE ENVIRONMENT
NUMBER OF CREDITS: 3
PRE-REQUISITES: NONE
COURSE DESCRIPTION Soil mineralogy (primary and secondary), soil organic matter, chemical behaviour of soil particles, ionic relations and soil reaction; roles soils play in the environment - agriculture, engineering, water balance and water quality, waste recycling and pollution control, aesthetic aspects, bio-diversity and ecological balance; soil physical properties and influence on behaviour - soil texture, structure and porosity, soil water and soil aeration and temperature.
ASSESSMENT:

Coursework	40%
Final examination	60%

LEVEL: II
SEMESTER: 2
COURSE CODE: AGSL 2000
COURSE TITLE: SOIL FERTILITY AND FERTILIZER TECHNOLOGY
NUMBER OF CREDITS: 3
PRE-REQUISITES: AGSL 1001
COURSE DESCRIPTION: Principles of soil fertility and plant nutrition; Essential elements for plant growth; Nutrient cycles and nutrient dynamics in soils - macro and trace elements; Soil pH management; Essentials of fertilizers - manufactured and natural; Soil fertility evaluation; Fundamentals of nutrient and fertilizer management; Isotopic techniques in fertilizer optimization; Environmental concerns with fertilizer use.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: II
SEMESTER: 2
COURSE CODE: AGSL 2001
COURSE TITLE: SOIL AND WATER MANAGEMENT
NUMBER OF CREDITS: 3
PRE-REQUISITES: AGSL 1001
COURSE DESCRIPTION: Methods of land clearing and their effects on soil structure; soil tillage and the management of soil structure for plant growth; management of soil structure to improve water intake, transmission and storage; water management for salinity control; soil erosion and the management of hillsides; management of dry and wet lands; management of forest soils; management of specific problem soils: soil management and its effects on microbes, microbial activity and soil fertility; soil fertility management; case studies.
ASSESSMENT:

Coursework	60%
Final Examination	40%

LEVEL: II
SEMESTER: 1
COURSE CODE: AGSL 2101
COURSE TITLE: PRINCIPLES OF SOIL SCIENCE
NUMBER OF CREDITS: 3
PRE-REQUISITES: AGSL 1001
COURSE DESCRIPTION: Soil as a natural resource, regional geology, rocks, formations, mineralogy, soil formation and pedogenesis; roles soils play in the environment:- agriculture, engineering, water balance and water quality, waste recycling and pollution control, aesthetic aspects, bio-diversity and ecological balance; soil distribution in the Caribbean, classification and mapping; soil physical properties:- soil texture, structure and porosity, soil water and soil aeration and temperature, water use and chemistry; soil chemical properties:- clay mineralogy, soil reaction, CEC, plant nutrition and SOM; soil organisms and biogeochemical cycles; agricultural meteorology.
ASSESSMENT:

Coursework	50%
Final Examination	50%

LEVEL: III
SEMESTER: 2
COURSE CODE: AGSL 3001
COURSE TITLE: IRRIGATION AND DRAINAGE TECHNOLOGY
NUMBER OF CREDITS: 3
PRE-REQUISITES: AGSL 1001
COURSE DESCRIPTION: Soil water potential and measurements; saturated/unsaturated water movement; water movement to roots; evaporation, evapotranspiration and consumptive use. Sources of water; methods of water application; design, installation, operation and evaluation of irrigation systems; pumps and pumping for irrigation and drainage; drainage principles; types of drains; planning, design and installation of drainage systems; legal and administrative aspects of irrigation and drainage.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: III
SEMESTER: 1
COURSE CODE: AGSL 3005
COURSE TITLE: WEST INDIAN SOILS
NUMBER OF CREDITS: 3
PRE-REQUISITES: AGSL 1001
COURSE DESCRIPTION: Influence of soil forming factors on soil formation and development specific to the wider Caribbean region; soil formation and distribution in the various Caribbean ecological zones; soil classification at regional and international levels; land use and management appropriate to the region; soil degradation and rehabilitation; land capability appropriate to the region; soil data base and land use planning appropriate to small islands states; field studies of selected West Indian Soils.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: III
SEMESTER: 1
COURSE CODE: AGSL 3010
COURSE TITLE: GEOPHYSICAL AND ENVIRONMENTAL SENSING
NUMBER OF CREDITS: 4
PRE-REQUISITES: AGSL 1001 or GEOG 1231 and GEOG 1232
COURSE DESCRIPTION: General Introduction; introduction to moisture measurement and sensing; soil texture and structure; theory of the electrical properties of soils (part I); electrical properties of soils (part II), applications; introduction to descriptive statistics, distributions; introduction to the Stanford geostatistical and environmental modelling software; correlation analysis; semivariogram analysis; interpolation and Kriging; Kriging methods, uncertainty and simulation; auto correlation analysis.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: III
SEMESTER: 2
COURSE CODE: AGSL 3101
COURSE TITLE: AGRICULTURAL AND ENVIRONMENTAL SOIL PHYSICS
NUMBER OF CREDITS: 3
PRE-REQUISITES: AGSL 1001 and AGSL 2101
COURSE DESCRIPTION: Introduction; soil texture and structure; specific surface of soil particles; soil water content; soil water retention and potential; soil water characteristic (retention) and their measurements; flow of water in soils; soil bulk density and compaction; solute transport in soils and salinity; soil thermal properties; soil-plant-atmospheric relations; soil gaseous phase and transport.
ASSESSMENT:

Coursework	50%
Final Examination	50%

LEVEL: III
SEMESTER: 2
COURSE CODE: AGSL 3102
COURSE TITLE: SCIENCE OF COMPOSTING AND COMPOST USE
NUMBER OF CREDITS: 3
PRE-REQUISITES: AGSL 1001
COURSE DESCRIPTION: Principles and potentials of composting; composting process; feedstock and technologies; process quality and classification; facility development; environmental concerns and controls; standards and regulations; marketing and economics of composts; composts use and applications.
ASSESSMENT:

Coursework	60%
Final Examination	40%

BIOL - BIOLOGY

LEVEL: II
SEMESTER: 1
COURSE CODE: BIOL 2462
COURSE TITLE: CARIBBEAN ISLAND ECOLOGY
NUMBER OF CREDITS: 4
PREREQUISITES: BIOL 1462 (AT LEAST A GRADE B)
COURSE DESCRIPTION: This advanced course treats the islands of the Caribbean within a global perspective. Its subject matter is the special nature of island environments and their biotas, and its aim is an understanding of the distributions and ecological relationships of island plants and animals through an analysis of their origins, evolutionary past population biology and community structure. The course is expected to integrate much of the knowledge that advanced undergraduates have amassed.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: III
SEMESTER: 3 (SUMMER)
COURSE CODE: BIOL 3068
COURSE TITLE: FIELD COURSE IN NEOTROPICAL ECOLOGY
NUMBER OF CREDITS: 4
PREREQUISITES: BIOL 1462 AND 8 CREDITS OF ADVANCED LEVEL LIFE SCIENCES COURSES, OR PERMISSION OF THE HEAD OF DEPARTMENT
COURSE DESCRIPTION: Introduction to focal group, ecological principles illustrated by focal group, specialised features of focal group, field research projects (aquatic or terrestrial). Students must consult with the course coordinator before registering for this course.
ASSESSMENT:

Coursework	100%
Oral Report	10%
Written Work	90%

LEVEL: III
SEMESTER: 2
COURSE CODE: BIOL 3864
COURSE TITLE: FISHERIES BIOLOGY & MANAGEMENT
NUMBER OF CREDITS: 4
PREREQUISITE: BIOL 2063
COURSE DESCRIPTION: History, status and future of global fisheries. Fishing methods. Caribbean fisheries, especially in Trinidad & Tobago. Fish population dynamics, recruitment, fish stock assessment and fish migration. Fish handling, processing and the process of spoilage; Fisheries yield-prediction model. Management of tropical fisheries. Critical fish habitat. Law of the sea and its implications.
Practicals include time at sea.
ASSESSMENT:

Coursework	40%
Final Examination	60%

CHEM - CHEMISTRY

LEVEL: I
SEMESTER: 1
COURSE CODE: CHEM 1062
COURSE TITLE: BASIC CHEMISTRY FOR LIFE SCIENCES
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
COURSE DESCRIPTION: The course is intended to provide students, who have had very little exposure to chemistry and who intend to proceed to degree level in the Life and Health Sciences, with a working knowledge of the basic concepts and principles of Chemistry. Topics of study: atoms, bonding, (ionic and covalent) intermolecular forces, quantifying matter, classes of reactions; properties of ionic and covalent compounds; solution chemistry; acid-base equilibrium; reaction kinetics; thermochemistry; gases; properties and reactions of carbon compounds including alcohols, aldehydes and ketones, carboxylic acids, esters and ethers, amines and amides; amino acids and peptides, natural polymers and stereochemistry.
ASSESSMENT:

Coursework	40%
Final Examination - 2-hour written paper	60%

COMP – COMPUTER SCIENCE

LEVEL: I
SEMESTERS: 1 AND 2
COURSE CODE: COMP 1011
COURSE TITLE: INTRODUCTION TO INFORMATION TECHNOLOGY
NUMBER OF CREDITS: 3
PREREQUISITE: NONE
COURSE DESCRIPTION: This course will provide the knowledge needed to formulate a sound but basic understanding of Information Technology, its major components and its broad applications. Students will acquire hands-on experience with computers. They will become familiar with the components of a computer and learn about the various elements that make up an information system. The course deals with hardware, software, telecommunications and computer networks. General Topics: The Technology Revolution; Inside the Computer; Information Input and Output; Storing and Retrieving Information; Software; Networks and Networking; Internet and The Web. Practical Topics: Microsoft Package - Word, Excel, Access, PowerPoint and Front Page.
ASSESSMENT:
Practical Coursework 50%
Project Report 25%
Mid-term examination 25%
(No final written examination)

ECON – ECONOMICS

LEVEL: I
SEMESTER: 1
COURSE CODE: ECON 1001
COURSE TITLE: INTRODUCTION TO ECONOMICS I
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
DEPARTMENT RESPONSIBLE: ECONOMICS
COURSE DESCRIPTION: This course provides students to the history of economic thought highlighting some of the key economic issues, which have preoccupied the discipline from its origins. The course also provides an introduction to the basic principles of micro-economic analysis together with the main perspectives on the functioning of the macro-economy. The micro-economic analysis is illustrated by reference to a key export sector in the Caribbean (e.g. oil or bananas). The implications of trends in the latter for the Balance of Payments and macro economy conclude this first semester course.
ASSESSMENT:
Coursework
Final Examination

LEVEL: I
SEMESTER: 2
COURSE CODE: ECON 1002
COURSE TITLE: INTRODUCTION TO ECONOMICS II
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
CO-REQUISITE: ECON 1001
DEPARTMENT RESPONSIBLE: ECONOMICS
COURSE DESCRIPTION: This course emphasizes macro-economic theory and policy and the related national income accounting together with international trade and the balance of payments. There is a significant stress on the implications of these economic issues for the Caribbean reality.
ASSESSMENT:
Coursework
Final Examination

LEVEL: 1
SEMESTER:
COURSE CODE: ECON 1005
COURSE TITLE: INTRODUCTION TO STATISTICS
NUMBER OF CREDITS: 3
PREREQUISITES:
DEPARTMENT RESPONSIBLE: ECONOMICS
COURSE DESCRIPTION: Descriptive Statistics; Probability and Probability distributions, Sampling distributions, Estimation, Hypothesis testing, simple correlation and regression.
ASSESSMENT: (see regulations - Faculty of Social Science)
Coursework:
Examination:

ENRM – ENVIRONMENTAL MANAGEMENT

LEVEL: I
SEMESTER 2
COURSE CODE: ENRM 1001
COURSE TITLE: INTRODUCTION TO ENVIRONMENTAL AND NATURAL RESOURCE MANAGEMENT
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
COURSE DESCRIPTION: This course is designed to provide Environmental and Natural Resource Management students with the philosophies and tools needed to understand the economic and management principles of environmental and natural resource management. It looks at the issues and methods in making decisions about environmental assets especially in the context of sustainable development, poverty alleviation and policy agendas. The necessity and challenges in communicating with stakeholders in the area of participatory management will also be discussed. The course will introduce students to the basics of environmental law and policies implemented across the world, and discuss managing the negative impacts of climate change and pollution. It also develops the application of microeconomic principles and shows how these can be applied to managing the environment and natural resources. Further, relevant environmental issues will be examined to show how the theoretical principles covered in the material will apply to the real world. The course will be delivered in a blended format and examined by an in-course examination, quizzes, and a final examination.
ASSESSMENT:
Coursework – 40%
Final examination – 60%

LEVEL: I
SEMESTER: 1
COURSE CODE: ENRM 1002
COURSE TITLE: INTRODUCTION TO NATURAL RESOURCE ECONOMICS
NUMBER OF CREDITS: 3
PRE-REQUISITES: NONE
COURSE DESCRIPTION: This course introduces students to economic issues specific to the use and management of natural resources. It explores the economic principles for the efficient allocation of resources over time, examines sources of inefficiency in the exploration of natural resources and discusses policy options to reduce inefficiency. This course will be delivered in a blended format and examined by an in-course examination and a final examination.
ASSESSMENT:
Coursework – 40%
Final examination – 60%

LEVEL: I
SEMESTER: 2
COURSE CODE: ENRM 1004
COURSE TITLE: ECOLOGY AND MICROBIOLOGY
NUMBER OF CREDITS: 3
PRE-REQUISITES: **NONE**
COURSE DESCRIPTION: The course on Ecology and Microbiology is comprised of two components. The ecology component will deal with the scientific approaches to studying ecology, the physical conditions and the availability of resources, physiological adaptation and the distribution of species, qualitative sampling of vegetation in a field, ecology of populations, species interaction, communities and ecosystems, habitat degradation and conservation. From an ecological perspective, microorganisms are the major biological agents that drive biogeochemical cycles of nature. Microbiology is the study of organisms of microscopic size, including bacteria, protozoa, viruses, and fungi which affect every aspect of life on Earth. The microbiology component is concerned with the physiology, metabolic diversity of microorganisms, biochemistry, and genetic engineering, their primary habitat types, ecology and uses of bacteria, fungi and viruses. This course will be examined by two in-course examinations, field and laboratory practicals and an end of semester exam.
ASSESSMENT:
Coursework – 40%
Final examination – 60%

LEVEL: II
SEMESTER: 1
COURSE CODE: ENRM 2000
COURSE TITLE: SOIL AND LAND EVALUATION
NUMBER OF CREDITS: 3
PRE-REQUISITES: AGSL 1001
COURSE DESCRIPTION: The course reviews the process of soil formation and highlights the roles of soil forming factors on the properties of the soil profile. The relationship between soil properties and ecology of soils is discussed. A review of the many methods of surveying is conducted and remote sensing systems such as satellite imagery and aerial photography are described. The application of GIS is discussed as a management tool in data processing. Techniques for conducting land surveys are described and the various land evaluation systems are reviewed. This course will be delivered via lectures and examined by an in-course test, a project report and a final examination.
ASSESSMENT:
Coursework – 40%
Final examination – 60%

LEVEL: II
SEMESTER: 1
COURSE CODE: ENRM 2001
COURSE TITLE: FOREST RESOURCE MANAGEMENT
NUMBER OF CREDITS: 3
PRE-REQUISITES: ENRM 1001 OR AGBU 1002
COURSE DESCRIPTION: This course introduces the student to forestry, basic forest science and the relevant basic general scientific principles. It will be delivered through lectures and discussion of case studies, and the concepts will be explained and relevant problems related to them solved in class. The course will be examined by a field trip report, a group project report and a final exam.
ASSESSMENT:
Coursework – 40%
Final examination – 60%

LEVEL: II
SEMESTER: 2
COURSE CODE: ENRM 2002
COURSE TITLE: ENERGY RESOURCES AND SUSTAINABILITY
NUMBER OF CREDITS: 3
PRE-REQUISITES: ENRM 1001 OR BIOL 1065
COURSE DESCRIPTION: This course is designed introduce students to the technical and economic aspects related to the use of energy resources for sustainable economic growth and development. It will cover the following major themes: basic energy concepts and principles; overview of energy sectors of the Caribbean; energy management; non-renewable and renewable energy resources; environmental impacts of energy production, storage, transport and usage; and economic analyses of energy projects. The course will be delivered through lectures and tutorials, and examined by a research paper, field exercise and a final examination.
ASSESSMENT:
Coursework – 40%
Final examination – 60%

LEVEL: II
SEMESTER: 2
COURSE CODE: ENRM 2003
COURSE TITLE: WILDLIFE RESOURCES AND MANAGEMENT
NUMBER OF CREDITS: 3
PRE-REQUISITES: ENRM 1001
COURSE DESCRIPTION: Animal species of importance in the Neo-tropics with the exception of the turkey (*Melagris gallapavo)* and the Muscovy duck (*Cairina moschata)* are introduced. The focus on neo-tropical animal biodiversity and management in this course is necessary to sustainably evaluate, conserve and utilize indigenous species. Neo-tropical animal wildlife resources and management is a unique course which combines geography, physio-geography and culture to identify and manage neo-tropical animal biodiversity. Through this course, students will be exposed to a diverse range of neo-tropical animals and innovative sustainable management strategies. Some Neotropical animal species like the leather back turtle will used to demonstrate the importance of conservation management. This course will be delivered by means of lectures, slides and videos, and also seek to enhance student participation via discussions on key issues. Students will be examined based on field trip reports, the slide session and questionnaire, project presentations, project write-up and a final examination.
ASSESSMENT:
Coursework – 40%
Final examination – 60%

LEVEL: II
SEMESTER: 2
COURSE CODE: ENRM 2004
COURSE TITLE: ENVIRONMENTAL MICROBIOLOGY AND ECOLOGICAL HEALTH
NUMBER OF CREDITS: 3
PRE-REQUISITES: ENRM 1004
COURSE DESCRIPTION: This course introduces students to the diversity of microbial populations and their diverse roles in the various environments, the interactions of microorganisms with the environment and impact on ecological health. It covers topics on biosynthesis, energetic, population and community dynamics, attributes of indicator organisms, water microbiology, soil microbiology, air microbiology, microorganisms in extreme environment, waste water and solid waste treatments, biodegradation, pollution, bioremediation and engineering microorganisms to produce fuel. Techniques for characterizing microorganisms and investigating microbial processes will also be discussed. The course will be delivered in a blended format and examined by a laboratory practical and examination, in course examination and final examination.
ASSESSMENT:
Coursework – 40%
Final examination – 60%

LEVEL: III
SEMESTER: 1
COURSE CODE: ENRM 3000
COURSE TITLE: NATURAL RESOURCE ECONOMICS AND ASSESSMENT
NUMBER OF CREDITS: 3
PRE-REQUISITES: ENRM 1001 AND ENRM 1002
COURSE DESCRIPTION: Human beings now face the challenge of sustainable development, as the world's population is increasing rapidly, and per-capita demands for goods and services are increasing, while in most cases, per-capita supply of natural resources is declining. Environmental and natural resource economics seeks to understand the relationship between man, the economy and the natural environment, especially in terms of the flow of waste into the environment, and how that affects the availability of natural resources for now and in the future. Social justice issues will also be considered. This course explores the role of prices in decision making by individuals, and shows how economic theory can be applied to solve existing and emerging environmental and natural resource problems Students will also be introduced to the fundamentals of environmental impact assessment. This course will also show the potential role of the individual, firm, region or country in exacerbating environmental problems, and the possible solutions that may be applied to overcome these problems. This information will be useful for environmental managers in different positions, as a government policy maker, or as a manager in a private firm or non-governmental institution. This course will be delivered in a blended format and examined by project, in-course examination and final examination.
ASSESSMENT:
Coursework – 40%
Final examination – 60%

LEVEL: III
SEMESTER: 2
COURSE CODE: ENRM 3001
COURSE TITLE: SUSTAINABLE WATERSHED MANAGEMENT
NUMBER OF CREDITS: 3
PRE-REQUISITES: ENRM 1001
COURSE DESCRIPTION: The Sustainable Watershed Management (SWM) course is designed to equip students with the principles of managing human impacts on watersheds and water resources. It is also aimed at providing students with an understanding of the interrelationships among key elements within a watershed; land-use, soil, water and people including social justice issues. The course adopts an interdisciplinary approach intended to prepare students for problem solving at the watershed scale with the relevant knowledge of engineering, biology, hydrology, physics and chemistry. This course will be delivered through lectures and discussion of case studies. The concepts will be explained and relevant problems related to the concepts solved in class. Students are encouraged to participate in class work by contributing to in-class discussions and by asking and answering questions. The course will be examined by a field trip report, a group project report and a final exam.
ASSESSMENT:
Coursework – 40%
Final examination – 60%

LEVEL: III
SEMESTER: 2
COURSE CODE: ENRM 3002
COURSE TITLE: ANTHROPOGENIC CLIMATE CHANGE MANAGEMENT
NUMBER OF CREDITS: 3
PRE-REQUISITES: ENRM 1002
COURSE DESCRIPTION: The course highlights the most significant aspects of climate change dynamics with emphasis on local and regional implications for sustainable management of primarily biological resources at a national and international level. Basic principles of climatology and atmospheric dynamics will be presented and the greenhouse effect will be discussed. Sources of greenhouse gases (GHG) and contributions to total emissions will be discussed along with recommendations on mitigation strategies to reduce their emissions. The vulnerability of the agricultural sector, the forests and water resources sectors to climate change will be addressed and their potential adaptation strategies discussed. The socio-economic factors impacting on the implementation of mitigation and adaptation strategies to climate change will be discussed and the evolution of climate change related international laws and treaties will be reviewed. This course will be delivered via lectures and examined by an in-course test, a project report and a final examination
ASSESSMENT:
Coursework – 40%
Final examination – 60%

LEVEL: III
SEMESTER: 2
COURSE CODE: ENRM 3003 NOT OFFERED 2020/2021
COURSE TITLE: ENVIRONMENTAL AND NATURAL RESOURCE LAW
NUMBER OF CREDITS: 3
PRE-REQUISITES: ENRM 1001
COURSE DESCRIPTION: The course is designed to examine the methods by which the law has sought to place limits on human activity having adverse impacts on the environment. In particular, the course explores the evolution from common law control to regulatory means established primarily by statute, with particular reference to environmental laws in force and decided cases in Commonwealth Caribbean countries. Unlike other areas of common law, like the law of contracts and torts that have developed over hundreds of years, environmental and natural resource law is a relatively new area that only developed in the 1960s and has since expanded and developed into a comprehensive body of laws focused on sustainable development and a wide variety of actions that lead towards the protection of the environment. The environment does not recognise man-made borders and without strong, coordinated and multifaceted action by various stakeholders the environment may become unable to sustain human life. At the least, future generations will suffer deprivation and may suffer irreparable harm unless current patterns of production, consumption and waste management are dramatically altered and proper legal and regulatory framework are in place to regulate the environment. This course is designed to facilitate learning the legal information and relevant material on environment and natural resource law in the Commonwealth Caribbean. It provides an overview to the general body of environmental law in the Caribbean and winsome instances, the international legal framework will be highlighted. This course will provide students at UWI with an outline of the approach taken by law makers internationally and in the Caribbean region towards developing and implementing environmental and natural resource law.
ASSESSMENT:
Coursework – 40%
Final examination – 60%

LEVEL: I
SEMESTER 2
COURSE CODE: ENRM 1001
COURSE TITLE: INTRODUCTION TO ENVIRONMENTAL AND NATURAL RESOURCE MANAGEMENT
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
COURSE DESCRIPTION: This course is designed to provide Environmental and Natural Resource Management students with the philosophies and tools needed to understand the economic and management principles of environmental and natural resource management. It looks at the issues and methods in making decisions about environmental assets especially in the context of sustainable development, poverty alleviation and policy agendas. The necessity and challenges in communicating with stakeholders in the area of participatory management will also be discussed. The course will introduce students to the basics of environmental law and policies implemented across the world, and discuss managing the negative impacts of climate change and pollution. It also develops the application of microeconomic principles and shows how these can be applied to managing the environment and natural resources. Further, relevant environmental issues will be examined to show how the theoretical principles covered in the material will apply to the real world. The course will be delivered in a blended format and examined by an in-course examination, quizzes, and a final examination.
ASSESSMENT:
Coursework – 40%
Final examination – 60%

LEVEL: I
SEMESTER: 1
COURSE CODE: ENRM 1002
COURSE TITLE: INTRODUCTION TO NATURAL RESOURCE ECONOMICS
NUMBER OF CREDITS: 3
PRE-REQUISITES: NONE
COURSE DESCRIPTION: This course introduces students to economic issues specific to the use and management of natural resources. It explores the economic principles for the efficient allocation of resources over time, examines sources of inefficiency in the exploration of natural resources and discusses policy options to reduce inefficiency. This course will be delivered in a blended format and examined by an in-course examination and a final examination.
ASSESSMENT:
Coursework – 40%
Final examination – 60%

LEVEL: I
SEMESTER: 2
COURSE CODE: ENRM 1004
COURSE TITLE: ECOLOGY AND MICROBIOLOGY
NUMBER OF CREDITS: 3
PRE-REQUISITES: **NONE**
COURSE DESCRIPTION: The course on Ecology and Microbiology is comprised of two components. The ecology component will deal with the scientific approaches to studying ecology, the physical conditions and the availability of resources, physiological adaptation and the distribution of species, qualitative sampling of vegetation in a field, ecology of populations, species interaction, communities and ecosystems, habitat degradation and conservation. From an ecological perspective, microorganisms are the major biological agents that drive biogeochemical cycles of nature. Microbiology is the study of organisms of microscopic size, including bacteria, protozoa, viruses, and fungi which affect every aspect of life on Earth. The microbiology component is concerned with the physiology, metabolic diversity of microorganisms, biochemistry, and genetic engineering, their primary habitat types, ecology and uses of bacteria, fungi and viruses. This course will be examined by two in-course examinations, field and laboratory practicals and an end of semester exam.
ASSESSMENT:
Coursework – 40%
Final examination – 60%

LEVEL: II
SEMESTER: 1
COURSE CODE: ENRM 2000
COURSE TITLE: SOIL AND LAND EVALUATION
NUMBER OF CREDITS: 3
PRE-REQUISITES: AGSL 1001
COURSE DESCRIPTION: The course reviews the process of soil formation and highlights the roles of soil forming factors on the properties of the soil profile. The relationship between soil properties and ecology of soils is discussed. A review of the many methods of surveying is conducted and remote sensing systems such as satellite imagery and aerial photography are described. The application of GIS is discussed as a management tool in data processing. Techniques for conducting land surveys are described and the various land evaluation systems are reviewed. This course will be delivered via lectures and examined by an in-course test, a project report and a final examination.
ASSESSMENT:
Coursework – 40%
Final examination – 60%

LEVEL: II
SEMESTER: 1
COURSE CODE: ENRM 2001
COURSE TITLE: FOREST RESOURCE MANAGEMENT
NUMBER OF CREDITS: 3
PRE-REQUISITES: ENRM 1001 OR AGBU 1002
COURSE DESCRIPTION: This course introduces the student to forestry, basic forest science and the relevant basic general scientific principles. It will be delivered through lectures and discussion of case studies, and the concepts will be explained and relevant problems related to them solved in class. The course will be examined by a field trip report, a group project report and a final exam.
ASSESSMENT:
Coursework – 40%
Final examination – 60%

LEVEL: II
SEMESTER: 2
COURSE CODE: ENRM 2002
COURSE TITLE: ENERGY RESOURCES AND SUSTAINABILITY
NUMBER OF CREDITS: 3
PRE-REQUISITES: ENRM 1001 OR BIOL 1065
COURSE DESCRIPTION: This course is designed introduce students to the technical and economic aspects related to the use of energy resources for sustainable economic growth and development. It will cover the following major themes: basic energy concepts and principles; overview of energy sectors of the Caribbean; energy management; non-renewable and renewable energy resources; environmental impacts of energy production, storage, transport and usage; and economic analyses of energy projects. The course will be delivered through lectures and tutorials, and examined by a research paper, field exercise and a final examination.
ASSESSMENT:
Coursework – 40%
Final examination – 60%

LEVEL: II
SEMESTER: 2
COURSE CODE: ENRM 2003
COURSE TITLE: WILDLIFE RESOURCES AND MANAGEMENT
NUMBER OF CREDITS: 3
PRE-REQUISITES: ENRM 1001
COURSE DESCRIPTION: Animal species of importance in the Neo-tropics with the exception of the turkey (*Melagris gallapavo)* and the Muscovy duck (*Cairina moschata)* are introduced. The focus on neo-tropical animal biodiversity and management in this course is necessary to sustainably evaluate, conserve and utilize indigenous species. Neo-tropical animal wildlife resources and management is a unique course which combines geography, physio-geography and culture to identify and manage neo-tropical animal biodiversity. Through this course, students will be exposed to a diverse range of neo-tropical animals and innovative sustainable management strategies. Some Neotropical animal species like the leather back turtle will used to demonstrate the importance of conservation management. This course will be delivered by means of lectures, slides and videos, and also seek to enhance student participation via discussions on key issues. Students will be examined based on field trip reports, the slide session and questionnaire, project presentations, project write-up and a final examination.
ASSESSMENT:
Coursework – 40%
Final examination – 60%

LEVEL: II
SEMESTER: 2
COURSE CODE: ENRM 2004
COURSE TITLE: ENVIRONMENTAL MICROBIOLOGY AND ECOLOGICAL HEALTH
NUMBER OF CREDITS: 3
PRE-REQUISITES: ENRM 1004
COURSE DESCRIPTION: This course introduces students to the diversity of microbial populations and their diverse roles in the various environments, the interactions of microorganisms with the environment and impact on ecological health. It covers topics on biosynthesis, energetic, population and community dynamics, attributes of indicator organisms, water microbiology, soil microbiology, air microbiology, microorganisms in extreme environment, waste water and solid waste treatments, biodegradation, pollution, bioremediation and engineering microorganisms to produce fuel. Techniques for characterizing microorganisms and investigating microbial processes will also be discussed. The course will be delivered in a blended format and examined by a laboratory practical and examination, in course examination and final examination.
ASSESSMENT:
Coursework – 40%
Final examination – 60%

LEVEL: III
SEMESTER: 1
COURSE CODE: ENRM 3000
COURSE TITLE: NATURAL RESOURCE ECONOMICS AND ASSESSMENT
NUMBER OF CREDITS: 3
PRE-REQUISITES: ENRM 1001 AND ENRM 1002
COURSE DESCRIPTION: Human beings now face the challenge of sustainable development, as the world's population is increasing rapidly, and per-capita demands for goods and services are increasing, while in most cases, per-capita supply of natural resources is declining. Environmental and natural resource economics seeks to understand the relationship between man, the economy and the natural environment, especially in terms of the flow of waste into the environment, and how that affects the availability of natural resources for now and in the future. Social justice issues will also be considered. This course explores the role of prices in decision making by individuals, and shows how economic theory can be applied to solve existing and emerging environmental and natural resource problems Students will also be introduced to the fundamentals of environmental impact assessment. This course will also show the potential role of the individual, firm, region or country in exacerbating environmental problems, and the possible solutions that may be applied to overcome these problems This information will be useful for environmental managers in different positions, as a government policy maker, or as a manager in a private firm or non-governmental institution. This course will be delivered in a blended format and examined by project, in-course examination and final examination.
ASSESSMENT:
Coursework – 40%
Final examination – 60%

LEVEL: III
SEMESTER: 2
COURSE CODE: ENRM 3001
COURSE TITLE: SUSTAINABLE WATERSHED MANAGEMENT
NUMBER OF CREDITS: 3
PRE-REQUISITES: ENRM 1001
COURSE DESCRIPTION: The Sustainable Watershed Management (SWM) course is designed to equip students with the principles of managing human impacts on watersheds and water resources. It is also aimed at providing students with an understanding of the interrelationships among key elements within a watershed; land-use, soil, water and people including social justice issues. The course adopts an interdisciplinary approach intended to prepare students for problem solving at the watershed scale with the relevant knowledge of engineering, biology, hydrology, physics and chemistry. This course will be delivered through lectures and discussion of case studies. The concepts will be explained and relevant problems related to the concepts solved in class. Students are encouraged to participate in class work by contributing to in-class discussions and by asking and answering questions. The course will be examined by a field trip report, a group project report and a final exam.
ASSESSMENT:
Coursework – 40%
Final examination – 60%

LEVEL: III
SEMESTER: 2
COURSE CODE: ENRM 3002
COURSE TITLE: ANTHROPOGENIC CLIMATE CHANGE MANAGEMENT
NUMBER OF CREDITS: 3
PRE-REQUISITES: ENRM 1002
COURSE DESCRIPTION: The course highlights the most significant aspects of climate change dynamics with emphasis on local and regional implications for sustainable management of primarily biological resources at a national and international level. Basic principles of climatology and atmospheric dynamics will be presented and the greenhouse effect will be discussed. Sources of greenhouse gases (GHG) and contributions to total emissions will be discussed along with recommendations on mitigation strategies to reduce their emissions. The vulnerability of the agricultural sector, the forests and water resources sectors to climate change will be addressed and their potential adaptation strategies discussed. The socio-economic factors impacting on the implementation of mitigation and adaptation strategies to climate change will be discussed and the evolution of climate change related international laws and treaties will be reviewed. This course will be delivered via lectures and examined by an in-course test, a project report and a final examination
ASSESSMENT:
Coursework – 40%
Final examination – 60%

LEVEL: III
AGCP 3103: Commercial Floriculture 3 Credits replaces AGCP 3004: Introduction to Floriculture.

ENTR – ENTREPRENEURSHIP

LEVEL: I
SEMESTER: 2
COURSE CODE: ENTR 1001
COURSE TITLE: INTRODUCTION TO ENTREPRENEURSHIP, CREATIVITY AND PROBLEM SOLVING
NUMBER OF CREDITS: 3
PREREQUISITES: None
COURSE DESCRIPTION: Good ideas alone are not adequate for the success of an entrepreneur in today's competitive environment. This course is designed to provide learners with an introduction to the process of business development. Learners will cover steps toward building a business, idea generation, launching a business venture as well as managing and expanding a business enterprise. The course presents learners with theory of different types of business organizations such as sole proprietorship, partnership and limited liability companies and cooperatives. Learners will review procedures and preparation of documents required for the registration and incorporation of a business under the Companies Act of their respective countries and rules and regulations for business operations throughout CARICOM member states. The course also provides an introduction to financial, organizational and human resource management, marketing, market research, business communication and product development. Learners will conclude the course by conducting a practical exercise such as the simulation of registration of a business name under the Companies' Act of their respective country which would be assessed during oral presentations. The course will be delivered via lectures, tutorials and discussions, and will be examined based on project reports, portfolios, simulations, demonstrations, role playing, research and presentations and a final examination.
ASSESSMENT:
Coursework – 40%
Final examination – 60%

LEVEL: II
SEMESTER: 1
COURSE CODE: ENTR 2000
COURSE TITLE: ICT APPLICATIONS FOR BUSINESS
NUMBER OF CREDITS: 3
PREREQUISITES: None
COURSE DESCRIPTION: This course is designed to provide learners with a theoretical overview and practical application of the integrated software packages and computer applications used in operating a business. It focuses on the need for a technology driven approach and the use of Information and Communication Technology (ICT) to assist businesses in developing competitive products, managing enterprises effectively and capturing lucrative markets. In the practical component of the course, learners will apply business principles to develop information packages along the lines of one's business ideas.
ASSESSMENT:
Coursework: 40%
Final Examination: 60%

LEVEL: II
SEMESTER: 2
COURSE CODE: ENTR 2001
COURSE TITLE: INTRODUCTION TO INNOVATION AND DECISION MAKING
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
COURSE DESCRIPTION: This course is designed to provide students with knowledge needed to create, modify and capitalize on new market opportunities by idealizing concepts of innovation and technology. Students will be able to understand and apply innovative techniques to different aspects of a business driven environment and furthermore, manage innovation change.
ASSESSMENT:
Coursework: 40%
Final Examination: 60%

LEVEL: II
SEMESTER: 2
COURSE CODE: ENTR 2002
COURSE TITLE: ENTREPRENEURIAL BUSINESS PLANNING
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
COURSE DESCRIPTION: This course is designed to provide students with the knowledge needed to create a strategic business plan for a new business. Students will have the opportunity to think through competitive challenges and to work through the models and ideas in the course and to develop an innovative plan. Without a solid strategic plan, a business would have no direction or objectives. At the end of this course, students will be able to develop a proper, realistic and competitive strategic business plan.
ASSESSMENT:
Coursework: 40%
Final Examination: 60%

LEVEL: II
SEMESTER: 1
COURSE CODE: ENTR 2003
COURSE TITLE: ENTREPRENEURIAL LAW
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
COURSE DESCRIPTION: This course is designed to provide students with the foundation and insight on laws and regulations related to entrepreneurship. There are many legal issues that may arise in setting up and running a new business, bringing a product to market, and financing the venture. Entrepreneurship Law presents students with the fundamental knowledge needed to legally manage an enterprise. Entrepreneurship Law is essential to any entrepreneur as it presents problems and solutions to realistic situations one might encounter when starting up a new business.
ASSESSMENT:
Coursework: 40%
Final Examination: 60%

LEVEL: III
SEMESTER: 1
COURSE CODE: ENTR 3000
COURSE TITLE: EXPORT MARKET CASE STUDIES AND PRACTICE
NUMBER OF CREDITS: 3
PREREQUISITES: ENTR 2002 Entrepreneurial Business Planning
COURSE DESCRIPTION: This course provides learners with the knowledge, skills and attitude required for trading with foreign countries. The basic marketing concepts applicable to International Trade are explored. Learners are taught to design, develop, implement, monitor and evaluate export marketing plans. Case studies are used extensively used in this course. Topics include internal marketing, market research, internal pricing policies, regulations, trade database, transport logistics, procedures and regulations, international marketing terminologies.
ASSESSMENT:
Coursework: 40%
Final Examination: 60%

LEVEL: III
SEMESTER: 2
COURSE CODE: ENTR 3002
COURSE TITLE: CASE STUDIES IN ENTREPRENEURSHIP
NUMBER OF CREDITS: 3
PREREQUISITES: ENTR 2002 ENTREPRENEURIAL BUSINESS PLANNING
COURSE DESCRIPTION: In this course, learners will develop an in-depth understanding of entrepreneurship, the entrepreneur's behaviour and entrepreneurial process in a way that supports their future careers as businesspersons. Multiple readings comprising of scholarly articles, case studies and other documentations covering practical and theoretical perspectives of practicing entrepreneurs will be used in the course. Learners will be engaged in a focused mode of entrepreneurial thinking and business problem solving, all of which are reflective of the business environment. Case Studies in Entrepreneurship would include 50% local and regional content. In addition, the role of gender, youth, ethnicity, family and religion will be examined.
ASSESSMENT:
Coursework: 40%
Final Examination: 60%

LEVEL: III
SEMESTER: 1
COURSE CODE: ENTR 3001
COURSE TITLE: ENTREPRENEURIAL MARKETING
NUMBER OF CREDITS: 3
PREREQUISITES: ENTR 2002 ENTREPRENEURIAL BUSINESS PLANNING
This course disassembles orthodox marketing practices in order to shed light on unique marketing strategies that new firms can adapt given limited resources to maximise their efforts and survive in today's competitive environment. The course will explore how marketing and entrepreneurship affect and are affected by one another. Concepts from each of these areas will be applied. The role of marketing in entrepreneurial ventures will be explored common mistakes entrepreneurs make when it comes to marketing will be explored. A number of hands-on cases will be used to assess real world problems at the marketing-entrepreneurship interface. Learners would also understand the marketing environment and technological implications of the internet and its importance to marketing. By the end of this course, learners will be exposed to the challenges of marketing and techniques to utilize to overcome market resistance. This course will expose students to real life examples of entrepreneurs and their marketing strategies with focus on local entrepreneurs. Students will create marketing inventions for existing businesses. The course will be delivered utilizing lectures, guest speakers and case analyses, books and videos for course materials. The course will be assessed based on a research project of local business ventures, group presentation and final examination.
ASSESSMENT:
Coursework: 40%
Final Examination: 60%

LEVEL: III
SEMESTER: 2
COURSE CODE: ENTR 3003
COURSE TITLE: ENTREPRENEURIAL FINANCE
NUMBER OF CREDITS: 3
PREREQUISITES: ACCT 1002: INTRODUCTION TO FINANCIAL ACCOUNTING AND ACCT 1003: INTRODUCTION TO COST AND MANAGEMENT ACCOUNTING
COURSE DESCRIPTION: Students will learn financial management and how to make key financing decisions relative to entrepreneurial ventures utilizing forecasting tools and financial statements. The course also addresses issues relating to business valuation exposing learners of the perspectives held by both investors and entrepreneurs and highlights methods to structure agreements to properly align the incentives between them. In addition, this course includes an in depth analysis of the challenges associated with business growth and provides learners with a complete guide in turning around a business in crisis. The course concludes by presenting learners the fundamentals of realizing returns through crafting a harvesting strategy and covers the various exit options available to entrepreneurs. The course will be delivered using a combination of case discussions, lectures, tutorials and videos and will be assessed based on an in-course and final examination.
ASSESSMENT:
Coursework: 40%
Final Examination: 60%

FOUN – FOUNDATION

LEVEL: I
SEMESTERS: 1 & 2
COURSE CODE: FOUN 1101
COURSE TITLE: CARIBBEAN CIVILISATION
NUMBER OF CREDITS: 3
PREREQUISITES:
COURSE DESCRIPTION:
Objectives:
1. To develop an awareness of the main process of cultural development in Caribbean societies, highlighting the factors, the problematics and the creative output that have fed the emergence of Caribbean identities.
2. To develop a perception of the Caribbean as wider than island nations or linguistic blocs.
3. To stimulate student's interest in, and commitment to Caribbean civilization and to further their self-definition.

ASSESSMENT:
Coursework 100%

LEVEL: I
SEMESTER: 2
COURSE CODE: FOUN 1105
COURSE TITLE: SCIENTIFIC AND TECHNICAL WRITING
NUMBER OF CREDITS: 3
PREREQUISITES:

- CAPE Communication Studies Grade I or II
- General Paper, Grade A or B
- CSEC General Proficiency, English Language Grade I
- GCE/BGCSE English Language, Distinction (Grade A or I or II)
- TOEFL (Paper Test Score 580+or Electronic Minimum writing score 22)
- An undergraduate degree from an English-speaking University
- UWIDEC/Open Campus Language Skills and Communication (Grade B and above)
- FDMU 0005 - Preparatory Academic Writing

COURSE DESCRIPTION:
This course examines specific tools that lead students of the Faculty of Science and Technology and the Faculty of Food and Agriculture to develop competencies in technical and expository writing using formal, academic English. Fundamental aspects of the course are summary writing and paraphrasing, writing reviews of related literature, converting tabular information into continuous prose, and writing a formal expository essay. Developing research skills and applying the accurate documentation of courses are also emphasized. The entire course is underpinned by critical thinking skills and is specially designed to facilitate the transfer of written competencies to faculty courses read by undergraduate university students while paving the way for sound postgraduate academic writing.
ASSESSMENT:

Coursework	50%
Examination	50%

Students must pass BOTH coursework and final examination and have an overall mark of 50 or more, in order to qualify for an overall pass in the course.

FOUN 1210 Not offered to FSA Students.

LEVEL: I
SEMESTERS: 1 & 2
COURSE CODE: FOUN 1301
COURSE TITLE: LAW, GOVERNANCE, ECONOMY AND SOCIETY (UNIVERSITY FOUNDATION COURSE) (FACULTY OF SOCIAL SCIENCES)
NUMBER OF CREDITS: 3
PREREQUISITES:
COURSE DESCRIPTION: This course is delivered through the medium of print. The print package comprises a student manual, a study guide and a reader. In addition to the print material there are teleconferencing and/or tutorials.
The course introduces students to some of the major institutions in Caribbean society. It exposes the student to both the historical and contemporary aspects of Caribbean society, including Caribbean legal, political and economic systems. In addition, Caribbean culture and Caribbean social problems are discussed.
Assessment is based solely on a final examination at the end of the semester. It consists of twelve (12) essay-type questions, of which students are required to write on three (3). All questions carry equal marks. The examination is divided into four (4) sections corresponding to the four (4) subject areas in the course. Students are not allowed to do more than one question in any one section.

GEOG – GEOGRAPHY

SEMESTER: 1
COURSE CODE: GEOG 1131
COURSE TITLE: HUMAN GEOGRAPHY 1: POPULATION, MIGRATION AND HUMAN SETTLEMENT
NUMBER OF CREDITS: 3
PREREQUISITES: CAPE GEOGRAPHY OR ENVIRONMENTAL SCIENCE OR EQUIVALENT
COURSE DESCRIPTION: This course introduces modern approaches to the study of Population Geography. It examines the human and physical factors determining population distribution and dynamics, theories of population change including Malthusian and neo-Malthusian ideas and the demographic transition theory. It explains the sources of, and problems associated with population statistics, how to measure fertility, mortality and migration and population projection techniques. It also discusses family planning and population control efforts around the world, the status of women and its crucial role in population dynamics, major causes of death around the world including AIDS, the role of migration in population dynamics, culture, population and the environment. The course also introduces historical and contemporary perspectives on urbanization both in the industrialized world and the developing world and reviews theories on the geographical distribution of human settlement.
ASSESSMENT:
Coursework 40%
Examination 60%

SEMESTER: 2
COURSE CODE: GEOG 1132
COURSE TITLE: HUMAN GEOGRAPHY 2: WORLD ECONOMY, AGRICULTURE & FOOD
NUMBER OF CREDITS: 3
PREREQUISITES: CAPE GEOGRAPHY OR ENVIRONMENTAL SCIENCE OR EQUIVALENT
COURSE DESCRIPTION: The course introduces modern approaches to Economic Geography. It examines economic development and globalization as key elements in understanding the economic interdependence of countries in the modern world. It introduces basic theories, concepts, methods and techniques for describing, measuring and analyzing patterns of economic and social development. It explains the factors that have contributed to uneven patterns of economic development, including natural resource endowments and the processes of industrialization, technological change and globalization. The study of the economic geography of agriculture and the food industry illustrates many issues arising from the process and outcomes of economic development and globalization. These include the role of agribusiness in food production and food consumption and the impacts of traditional and modern agricultural production systems on the environment. The course explores the geographical dimensions of world hunger and malnutrition in relation to the structure of the world economy and world agriculture, and considers prospects for future agricultural development.
ASSESSMENT:
Coursework 85%
Examination 15%

SEMESTER 1
COURSE CODE: GEOG 1231
COURSE TITLE: EARTH ENVIRONMENTS 1: GEOMORPHOLOGY & SOILS
NUMBER OF CREDITS: 3
PREREQUSITES: CAPE GEOGRAPHY OR ENVIRONMENTAL SCIENCE OR EQUIVALENT
COURSE DESCRIPTION: The course introduces modern approaches to an introduction to geomorphology and soil science. It examines the main geomorphic processes in the context of endogenic and exogenic systems from a global perspective. The first part of the course is an examination and description of endogenic systems and processes. It examines the internal structure of the Earth and explains the geographic patterns of global relief of the solid surface in the context of plate tectonics. The relationship between global tectonics and the patterns and styles of volcanic activity is discussed. The passive control of rock type and geological structure is described in relation to landscape form and process. The second part of the course examines and describes the main exogenic systems and processes. The geographical patterns and types of weathering are discussed and the products of the physical disintegration and chemical decomposition of rocks are examined. The course introduces aspects of soil science from a geographical perspective through an examination of the main soil forming factors, and analysis of soil physical; and chemical processes. Key soil types are described and the several approaches to the classification of soils are examined. Exogenic systems in relation to the main geomorphic agents of water, wind and ice are introduced in the context of fluvial, slope, aeolian, karst, coastal, glacial and periglacial systems. The course provides a solid framework for students to advance to Level II and III courses in geomorphology and landform change.
ASSESSMENT:
Coursework 40%
Examination 60%

SEMESTER: 2
COURSE CODE: GEOG 1232
COURSE TITLE: EARTH ENVIRONMENTS 2: CLIMATE & THE BIOSPHERE
NUMBER OF CREDITS: 3
PREREQUSITES: CAPE GEOGRAPHY OR ENVIRONMENTAL SCIENCE OR EQUIVALENT
COURSE DESCRIPTION: This course adopts a modern holistic approach to the study of the Earth system. It introduces climate science and examines the processes operating within the atmosphere and biosphere including general circulation of the atmosphere, ocean-atmosphere interactions and global climate systems. It places particular emphasis on the impacts and consequences of human-environment interactions. Students will gain an understanding of the spatial and temporal variability of these processes on local, regional and global scales. The course will examine the primary causes, both natural and human, and consequences of climate change and the impact of a changing climate for communities both within and outside the Caribbean Region. Particular emphasis is placed on the impacts of climate change on the biosphere as well as their implications for agricultural systems. The course also introduces the study of biogeography, focusing on the geographical features of biodiversity at different geographical scales and reviews ideas about ecosystem processes and vegetation disturbance and succession.
ASSESSMENT:

Coursework	40%
Examination	60%

LEVEL: II
SEMESTER: 1
COURSE CODE: GEOG 2010
COURSE DESCRIPTION: GEOGRAPHIC INFORMATION SYSTEMS
NUMBER OF CREDITS: 3
PREREQUISITES: (GEOG 1131, GEOG 1132, GEOG 1231 & GEOG 1232) OR (GEOG 1900 & GEOG 1901)
NOT AVAILABLE TO STUDENTS CREDITED WITH GEOG 2000
COURSE DESCRIPTION: The course introduces students to the theory and general principles of GIS, and to practical skills and hands-on experience in its use. It teaches the fundamental concepts and basic functions of a GIS, the properties of GIS maps, and the structure of a GIS database. It introduces coordinate systems and map projections, and methods of performing simple vector and raster spatial analysis. In the lab exercises, students will work with ESRI ArcGIS software to visualize geographic data, create maps, query a GIS database, perform spatial analysis using common analysis tools, and solve geographic problems using a systematic approach. The course comprises of lectures and practicals. Lectures introduce some of the theory behind GIS, and give an overview of some of the methods. In the practicals, students use GIS software for a range of tasks, using a range of data sources.
ASSESSMENT:

Coursework	60%
Examination	40%

LEVEL: II
SEMESTER: 1
COURSE CODE: GEOG 2011
COURSE DESCRIPTION: GEOMORPHOLOGY
NUMBER OF CREDITS: 3
PREREQUISITES: (GEOG 1231 & GEOG 1232) OR GEOG 1900
NOT AVAILABLE TO STUDENTS CREDITED WITH GEOG 2002
COURSE DESCRIPTION: The course builds on the first year physical geography courses and examines modern approaches to the analysis and interpretation of geomorphic processes and landforms. It examines the main geomorphic processes and provides an in-depth examination of geomorphology in tropical settings. The first part of the course is an examination of sedimentary dynamics and their variation in time and space. In depth analysis of weathering, mass movement, fluvial, aeolian and coastal processes follows, with an emphasis on these processes in the tropical realm. Detailed consideration is given to the relationship between surface materials and landforms, and the measurement of features in the field and from remote sensed sources. There is a strong practical component. You are expected to be proficient at techniques studied in year 1, such as the use of Google Earth.
ASSESSMENT:

Coursework	50%
Examination	50%

LEVEL: II
SEMESTER: 2
COURSE CODE: GEOG 2013
COURSE DESCRIPTION: GEOGRAPHY RESEARCH METHODS
NUMBER OF CREDITS: 3
PREREQUISITES: (GEOG 1131, GEOG 1132, GEOG 1231 & GEOG 1232) OR (GEOG 1900 & GEOG 1901)
COURSE DESCRIPTION: The course aims to provide some basic knowledge of key aspects of the history and philosophy of geographical enquiry, and to provide the theoretical and practical skills required to develop and conduct a research project in geography. These aims are achieved through providing training in the application of geographical research methods and techniques, data collection, data and statistical analysis, and the technical presentation of results. The course includes how to define a research topic, how to identify relevant literature, how to prepare a research proposal, and how to present data. Practical classes and assignments will equip students with the skills to conduct qualitative and quantitative research. By the end of the course, students should be familiar with the main conceptual and organizational issues that they will face in conducting research projects.
ASSESSMENT:

Coursework	100%

LEVEL: II
SEMESTER: 1
COURSE CODE: GEOG 2014
COURSE DESCRIPTION: GEOGRAPHIES OF FOOD
NUMBER OF CREDITS: 3
PREREQUISITES: (GEOG 1131 & GEOG 1132) OR GEOG 1901
NOT available to students credited with GEOG 2006
COURSE DESCRIPTION: An understanding of the political economic, socio-cultural and environmental factors that influence the pathways of food is essential for economic geographers, perhaps especially for those interested in the Caribbean and other plantation-based societies. The course aims to provide a framework for the analysis of geographic factors which influence the location and distribution of agricultural activity and food marketing and consumption, with specific reference to the tropics. A key issue will be the role of historical, political economic and socio-cultural factors as geographic variables in agricultural production, marketing and consumption in the Caribbean region. The course will provide a holistic view of agricultural and rural history and development, which will complement other geography courses which offer a Caribbean focus. The course is divided into three parts. Part I covers the political economy of food in the Caribbean, as shaped by earlier patterns of plantation economies. Part II offers several case studies of food, politics, economy, history and culture in the Caribbean, including a discussion of dependencies on the International Monetary Fund (Jamaica) and agroecological shifts in Cuba. The final part of the course shifts to ideological and environmental implications of the global food regime.
ASSESSMENT:

Coursework	60%
Examination	40%

LEVEL: II
SEMESTER: 2
COURSE CODE: GEOG 2015
NOT OFFERED: 2020/2021
COURSE DESCRIPTION: GEOGRAPHIES OF DEVELOPMENT AND GLOBALISATION
NUMBER OF CREDITS: 3
PREREQUISITES: (GEOG 1131 & GEOG 1132) OR GEOG 1901
NOT AVAILABLE TO STUDENTS CREDITED WITH GEOG 2008
COURSE DESCRIPTION: A geographical understanding of the global political economy requires a thorough comprehension of the way policies and discourses of economic development have affected and are affecting societies and environments at various scales (local, national, regional, global) within and between rich and poor countries. Critical awareness of development processes must also incorporate localized understandings of people-environment interactions, posing 'development' as a contested, social and ecological process rather than an objective economic strategy. The course is organized in three sections, with the first section dealing with general theoretical issues, the second with more detailed theories (of rural development, for example) and the final section with case studies. It fits with the mission of the University of the West Indies in providing a forum for the development of oral and written knowledge skills and in its focus on alternative approaches to economic and sustainable development. The course also fits well with the goals of the Department of Geography as it develops perspectives on human-environment relations, particularly challenges and opportunities for Small Island Developing (SIDs) countries.
ASSESSMENT:

Coursework	85%
Examination	15%

LEVEL: II
SEMESTER: 2
COURSE CODE: GEOG 2016
COURSE DESCRIPTION: INTRODUCTION TO URBAN GEOGRAPHY
NUMBER OF CREDITS: 3
PREREQUISITES: (GEOG 1131 & GEOG 1132) OR GEOG 1901
NOT available to students credited with GEOG 2007
COURSE DESCRIPTION: Introduction to Urban Geography provides students with: the foundation of concepts, terms, and themes essential to the study of advanced Urban Geography; opportunities to recognize and investigate the complexity of city forms and city life; and the space to reflect critically on the seeming neutrality of the built urban form and processes. You will develop both a theoretical understanding of how urban processes shape your everyday social worlds as well as practical knowledge of what you can do to shape your urban environment. Although this course mainly uses North American and British-derived frameworks and case-studies, students are encouraged to apply a Caribbean lens to frameworks and theories, to consider the limitations of contemporary urban theory from a predominantly "global north" perspective, and to re-imagine and re-theorize from local and regional perspectives and contexts. There will be opportunities throughout the course for you to interrogate "the urban", explore issues and examine solutions, and to consider critically the applicability of theories and concepts to the "global south" generally, and the Republic of Trinidad and Tobago particularly.
ASSESSMENT:

Coursework	60%
Examination	40%

LEVEL: II
SEMESTER: 2
COURSE CODE: GEOG 2017
COURSE DESCRIPTION: POLITICAL GEOGRAPHY
NUMBER OF CREDITS: 3
PREREQUISITES: (GEOG 1131 & GEOG 1132) OR GEOG 1901
COURSE DESCRIPTION: This course focuses on strategic and political implications of ongoing trends in global political and economic arenas including conflicts over commodities and natural resources such as natural gas, crude oil, gold, bauxite, illegal drugs to quote only a few. GEOG 2017 takes a geographical approach to geopolitics, looking at regional trends. North Atlantic countries' foreign policies and BRIC's recent arrival in the global geopolitics game are discussed (focus on world regions, etc.). While the course is globally comprehensive, special attention will be given to current sites of geo-political tension. Maps will be used extensively for both descriptive and analytical purposes.
ASSESSMENT:

Coursework	100%

LEVEL: II
SEMESTER: 3 (SUMMER)
COURSE CODE: GEOG 2018
NOT OFFERED: 2020/2021COURSE DESCRIPTION: GEOGRAPHY RESIDENTIAL FIELD SCHOOL (TOBAGO)
NUMBER OF CREDITS: 3
PREREQUISITES: (GEOG 1131, GEOG 1132, GEOG 1231 & GEOG 1232) OR (GEOG 1900 & GEOG 1901)
COURSE DESCRIPTION: This course provides students with an opportunity to gain an in-depth knowledge of the physical and human geography of Tobago, the smaller of the two islands which make up the Republic of Trinidad and Tobago, and, through practical field-based examples, introduces students to issues in environmental management. Tobago possesses a wealth of human and physical geography field examples and is relatively self-contained, making it ideal for a residential field course. Students will embark on an integrated programme of intensive fieldwork, testing different research techniques and undertaking small, self-contained research projects. It provides the opportunity to further enhance individual project work
Assessment:
Coursework 100%

LEVEL: II
SEMESTER: 1
COURSE CODE: GEOG 2019
COURSE DESCRIPTION: PHYSICAL HYDROLOGY
NUMBER OF CREDITS: 3
PREREQUISITES: (GEOG 1231 & GEOG 1232) OR (ENRM 1001 and AGSL 1001)
COURSE DESCRIPTION: This course introduces students to the concepts and principles of physical hydrology. In this course we will examine the movement of water in the hydrologic cycle looking at how precipitation becomes streamflow, evapotranspiration and groundwater at the watershed to regional scale. Topics include: the hydrologic cycle and water balances, precipitation, interception, evapotranspiration energy balances, vadose zone hydrology, groundwater hydrology, streamflow generation, ecohydrology, hydrological modelling, and field measurement and analysis techniques. Where possible, examples from tropical landscapes will be used. Given that hydrology is a quantitative science, assignments involving mathematical calculations and analyses form an important part of this course. The course will be delivered to the students through a combination of interactive lectures, seminars, field trips and laboratory exercises. This course will be assessed by examination, laboratory assignments and presentations. The course can be taken as an elective course by students on either the Geography or Environmental and Natural Resources Management Majors. It links with both GEOG 3111 Natural Hazards and ENRM 3001 Sustainable Watershed Management.
ASSESSMENT:

Coursework	60%
Examination	40%

LEVEL: III
SEMESTER: 1
COURSE CODE: GEOG 3107
NOT OFFERED: 2020/2021
COURSE TITLE: METEOROLOGY AND CLIMATOLOGY
NUMBER OF CREDITS: 3
PREREQUISITES: (GEOG 1231 & GEOG 1232) OR GEOG 1900
COURSE DESCRIPTION: The course introduces students to the theory and physical principles of meteorology and climatology, the atmosphere and atmospheric processes, weather and weather analysis, weather maps and forecasting, extreme weather, patterns and characteristics of the Earth's climate and climatic change. The course concludes with a discussion of the politics surrounding climate change, its mitigation and adaptation.
ASSESSMENT:

Coursework	40%
Examination	60%

LEVEL: III
SEMESTER: YEAR LONG
COURSE CODE: GEOG 3110
COURSE DESCRIPTION: GEOGRAPHY RESEARCH PROJECT
NUMBER OF CREDITS: 6
PREREQUISITES: GEOG 2013 OR (GEOG 1900 & GEOG 1901 & HOD APPROVAL)
COURSE DESCRIPTION: The Geography Research Project provides a showcase for each student's accumulated skills and knowledge. It builds on the skills developed in GEOG 2013 Geography Research Methods and gives students an opportunity to integrate the skills and knowledge they have developed throughout the course and to engage in independent research of the student's own choosing. The project module offers students the opportunity to demonstrate the qualities of independence and creativity by the pursuit of a topic of interest at depth. The research process begins with a project proposal, continues with research design and fieldwork, and culminates in a substantive academic presentation and dissertation based on the research findings.
ASSESSMENT:

Coursework	100%

LEVEL: III
SEMESTER: 1
COURSE CODE: GEOG 3111
COURSE TITLE: NATURAL HAZARDS
NUMBER OF CREDITS: 3
PREREQUISITES: (GEOG 1231 & GEOG 1232) OR GEOG 1900
NOT AVAILABLE TO STUDENTS CREDITED WITH GEOG 3007
COURSE DESCRIPTION: The course introduces students to the concepts of risk and hazard, and reviews recent theoretical work on human response to hazard and disaster, such as Blaikie's Access and Pressure:Release models and Hewitt's Temporal Sequence model. Using this theoretical background it reviews a range of natural hazards operating of different spatial and temporal scales, including geological (volcanoes, earthquakes), hydrological (floods), climatological (drought, hurricanes) and biological (diseases, epidemics), and examines the possible changes to risk under climate and sociological change. Emphasis throughout is on the use of appropriate technology and social structures to mitigate hazard impact. Delivery of the course is primarily through a series of lectures and seminars, assessed by examination and presentation/essays. Emphasis in the coursework will be placed on the recovery, synthesis and presentation of scientific information.
ASSESSMENT:
Coursework 40%
Examination 60%

LEVEL: III
SEMESTER: 2
COURSE CODE: GEOG 3113
COURSE TITLE: REMOTE SENSING & GIS
NUMBER OF CREDITS: 3
PREREQUISITES: GEOG 2010 OR GEOG 2000
NOT AVAILABLE TO STUDENTS CREDITED WITH GEOG 3005
COURSE DESCRIPTION: The course introduces students to the theory and principles of environmental remote sensing, the analysis of remote sensing imagery, and its integration with Geographical Information Systems (GIS). The course builds strongly on the second-year course GEOG 2010 Geographical Information Systems, and introduces students to more advanced data handling techniques and spatial analysis methods. Students gain practical skills and hands-on experience in the analysis of remote sensing imagery using open-source GIS software tools. A variety of applications of remote sensing are introduced, including the assessment of vegetation, land degradation, deforestation, desertification and urbanisation. Remote sensing is a key source of data for the environmental sciences and proficiency in its use is regarded as a key skill for a modern geography graduate.
ASSESSMENT:
Coursework 60%
Examination 40%

LEVEL: III
SEMESTER: 1
COURSE CODE: GEOG 3114
COURSE TITLE: GEOGRAPHIES OF MIGRATION AND SETTLEMENT
NUMBER OF CREDITS: 3
PREREQUISITES: (GEOG 1131 & GEOG 1132) OR GEOG 1901
COURSE DESCRIPTION: This course builds on Human Geography I (GEOG 1131), Population, Migration and Settlement. It takes an in-depth look at migration flows, conditions and debates in source and destination countries, migration as a human right, and migration control and management as expressions of state sovereignty and national identity. The course requires students to read and respond to academic articles, gray literature and policy documents, and news media. The course also gives students an opportunity to view testimonials and films on forms of migration, and offer critical reviews based on the literature and perspectives of different stakeholders. The first part of the course is an overview of trends, patterns, and theories of migration, while the second part of the course is dedicated to analyses and interpretations of migration processes and experiences.
ASSESSMENT:
Coursework 60%
Examination 40%

LEVEL: III
SEMESTER: 2
COURSE CODE: GEOG 3115
COURSE TITLE: GEOGRAPHIES OF EQUALITY AND SOCIAL JUSTICE
NUMBER OF CREDITS: 3
PREREQUISITES: (GEOG 1131 & GEOG 1132) OR GEOG 1901
COURSE DESCRIPTION: The course is designed to provide an advanced understanding of issues introduced in other geography courses offered by UWI, such as relations between discourse, political economy, social justice, borders, space and environment. It draws together elements of theory and practice to present debates about the justice of market-led society, egalitarian and welfare philosophies and their limitations in a world of diversity. The course begins with a discussion of the concept of justice and theories of social justice. Following these discussions, we will examine social justice issues involving such areas as the environment, poverty and hunger, race and ethnicity, gender, sexuality, and disability. The first half of the course introduces mainstream theories of social justice and equality, and considers alternative approaches to economy and society, questioning the viability of such alternatives in a globalized world. The second part questions one's responsibility according to positionality in time and space and in relation to insiders and outsiders. The third part of the course considers the prospects for social and environmental justice from both Western and non-Western perspectives with examples from global and local social movements. The final part uncovers ethical complications of qualitative data collection, particularly the difference between representational and non-representational approaches. The course content and case studies reveal the central contribution that geographers can make to the understanding of equality and social justice in a complex and rapidly changing world.
ASSESSMENT:
Coursework 40%
Examination 60%

LEVEL: III
SEMESTER: 2
COURSE CODE: GEOG 3116
COURSE TITLE: GEOGRAPHIES OF THE CARIBBEAN
NUMBER OF CREDITS: 3
PREREQUISITES: (GEOG 1131 & GEOG 1132) OR GEOG 1901
NOT AVAILABLE TO STUDENTS CREDITED WITH GEOG 3001
COURSE DESCRIPTION: This course provides a geographically-based intellectual and analytical approach to making sense of the connections within the Caribbean and the challenges posed to the region by an increasingly globalized world. It provides a geographical evaluation of settlement, cultures, resource use, economic structure, and growth problems of selected Caribbean countries and of the region as a whole.
ASSESSMENT:
Coursework 40%
Examination 60%

LEVEL: III
SEMESTER: 2
COURSE CODE: GEOG 3117
NOT OFFERED: 2020/2021
COURSE TITLE: ENVIRONMENTAL MODELLING WITH GIS
NUMBER OF CREDITS: 3
PREREQUISITES: GEOG 2010 OR GEOG 2000
NOT AVAILABLE TO STUDENTS CREDITED WITH GEOG 3005
COURSE DESCRIPTION: This course introduces students to the theory and principles of environmental modelling within the context of GIS. The course builds strongly on the second-year course GEOG 2010 Geographical Information Systems and the third-year course GEOG 3113 Remote Sensing and GIS; and introduces students to advanced data handling and spatial analysis methods such as geostatistics. Students gain practical skills and hands-on experience in the use of a variety of environmental models and advanced GIS analysis techniques, using open-source GIS software tools. A variety of applications of environmental modelling are introduced, including the modelling of landslide risk, population dynamics, soil erosion, energy balance, rainfall-runoff and flood inundation. Flood inundation modelling is used as an in-depth example to explore issues in data handling, model uncertainty and accuracy assessment, and risk analysis.
ASSESSMENT:
Coursework 60%
Examination 40%

LEVEL: III
SEMESTER: 1
COURSE CODE: GEOG 3118
COURSE TITLE: QUATERNARY ENVIRONMENTS (NOT OFFERED IN 2020/2021)
NUMBER OF CREDITS: 3
PREREQUISITES: (GEOG 1231 & GEOG 1232) OR GEOG 1900
NOT AVAILABLE TO STUDENTS CREDITED WITH GEOG 3006
COURSE DESCRIPTION: The course aims to introduce students to the history of the earth during the past 2 million years – the Quaternary era. It examines the main changes that have taken place in the terrestrial, oceanic and atmospheric environments. It introduces types of proxy evidence that allow reconstruction of Quaternary environments, and some of the dating techniques which allow them to be placed accurately within a time frame. The subject is pertinent to the study of current climatic changes by identifying the methods and processes of identifying, quantifying and understanding natural and man-made changes on a longer time scale. It builds on geomorphological and meteorological knowledge acquired at Levels 1 and 2.
ASSESSMENT:
Coursework 50%
Examination 50%

LEVEL: III
SEMESTER: 3 (SUMMER)
COURSE CODE: GEOG 3120
NOT OFFERED: 2020/2021
COURSE DESCRIPTION: GEOGRAPHY RESIDENTIAL FIELD SCHOOL (INTERNATIONAL) (NOT OFFERED IN 2018/19)
NUMBER OF CREDITS: 3
PREREQUISITES: (GEOG 1131, GEOG 1132, GEOG 1231 & GEOG 1232) OR (GEOG 1900 & GEOG 1901)
COURSE DESCRIPTION: This course provides students with an opportunity to gain an in-depth knowledge of the physical and human geography of an international study site and, through practical field-based examples, introduces students to issues in environmental management. Many sites in the Caribbean region and beyond possess a wealth of human and physical geography field examples, making them ideal for a residential field course. Students will embark on an integrated programme of intensive fieldwork, testing different research techniques and undertaking small, self-contained research projects. It provides the opportunity to further enhance individual project work skills developed at Levels 1 and 2 and transfers and extends those skills into a group situation.
ASSESSMENT:
Coursework 100%

LEVEL: III
SEMESTER: 1
COURSE CODE: GEOG 3305
NOT OFFERED: 2020/2021
COURSE TITLE: PLANNING, DEVELOPMENT AND SUSTAINABILITY
NUMBER OF CREDITS: 3
PREREQUISITES: GEOG 2016
COURSE DESCRIPTION: This course introduces theories, concepts and methodologies applied in physical and smart growth planning. It develops an appreciation and understanding of the planning environment, i.e. the socioeconomic, environmental, political and cultural context in which processes of planning and development operate. Planning and development issues are often rooted in contested political, social and ecological processes rather than in objective strategies designed to equitably meet the three pillars of sustainability. These contestations often contribute to disparities in development, marginalization of communities, lack of public participation in the planning decision-making process, unsustainable land uses, enhanced vulnerabilities to man-made and natural disasters and environmental degradation. It also explores present and future developments in smart growth planning and the types of issues that may impact on the sustainable growth and development of global environments. The course is organized in three sections, with the first section dealing with the history, philosophy, and general theories of planning. The second section deals with the planning of human settlements, particularly the development of sustainable liveable communities. The third section looks at planning for the 21st century; potential development issues and the prospects for sustainable planning and development.
ASSESSMENT:
Coursework 60%
Examination 40%

HORT – HORTICULTURE

LEVEL: II
SEMESTER: 1
COURSE CODE: HORT 2001
COURSE TITLE: PEOPLE-PLANT RELATIONSHIPS
NUMBER OF CREDITS: 3
PRE-REQUISITES: NONE
COURSE DESCRIPTION: The importance of the landscaping industry and current trends. Definition of people-plant relations. Theories of the effects of plants on human beings. The nature of people-plant interactions. Influences of plants in the landscape on the well-being of individuals, special groups including children, youth and the elderly, and on urban, suburban and rural communities**.** Use of plants in healing – restorative gardens and horticultural therapy. Plants in commercial environments**.** Environmental, economic and cultural value of plants. The client analysis.
ASSESSMENT:
Coursework (60%):
Research paper – 15 % (due Wk. 5);
Field study - 15% (due Wk. 9);
Project (group) - 30% (due Wk. 13);
Final Examination - 40%

LEVEL: II
SEMESTER: 1
COURSE CODE: HORT 2002
COURSE TITLE - TROPICAL LANDSCAPE PLANT IDENTIFICATION
NUMBER OF CREDITS: 3
PRE-REQUISITES: AGRI 1016
COURSE DESCRIPTION: Principles of plant nomenclature with special emphasis on landscape plants – the importance and purpose of plant classification. Introductory plant taxonomy. Morphological and anatomical characteristics in classification. The process of field collection to plant identification. Introduction to Caribbean flora – native and introduced species including naturalized and invasive species; legislation governing trade in exotic species; potential as landscape plants – form, environmental requirements, special characteristics and uses e.g. specimen and border plants.. Plant selection for specific environments.
ASSESSMENT:
Coursework – 100%
Quizzes – 15% (Wk 4, 6, 10);
Field trips and plant identification – 35% (due Wk 5, 7, 11);
Project and portfolio – 50% (due Wk. 12)

LEVEL: III
SEMESTER: 1
COURSE CODE: HORT 3001
COURSE TITLE- AMENITY AND SPORTS TURFGRASS MANAGEMENT
NUMBER OF CREDITS: 3
PRE-REQUISITES: AGRI 1016; AGSL 1001; VART 2402; LDSP 1000
COURSE DESCRIPTION: Definition of turfgrass. Tropical turfgrasses – identification, botany, growth, environmental requirements. Uses of turfgrasses in landscaping – environmental, engineering, architectural and aesthetic functions. Quality characteristics. Best management practices for turfgrass propagation, and establishment and maintenance in private and public spaces including reside
ASSESSMENT:

Coursework	60%
Final Exam	40%

LEVEL: III
SEMESTER: 2
COURSE CODE: HORT 3002
COURSE TITLE - LANDSCAPE HORTICULTURE
NUMBER OF CREDITS: 3
PRE-REQUISITES: AGRI 1016; AGSL 1001; HORT 2002; LDSP 1000
COURSE DESCRIPTION: Site analysis. Sustainable landscaping with plants - environmental. Engineering, architectural, aesthetic functions. Selection criteria. Best practices for establishing herbaceous and woody landscape plants – nursery stock specifications, quality criteria, handling; land preparation for flat and sloping sites – land formation, water control, tillage, soil amendment; spacing and lining; hole preparation and planting; staking; training; post-planting care. Best practices for maintenance of plants in the landscape - water, nutrition, pest, disease and weed management; pruning – formation, height control; pre- and post-hurricane management. Reading and interpreting landscape plans and specifications; proposals for installation and maintenance; maintenance schedules.
ASSESSMENT:

Coursework	60%
Final Exam	40%

HUEC – HUMAN ECOLOGY

LEVEL: I
SEMESTER: 2
COURSE CODE: HUEC 1001
COURSE TITLE: FOOD SCIENCE
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
COURSE DESCRIPTION: Structure and functional properties are examined with respect to the molecular behaviour of the basic components common to food products. Also discussed is the chemistry of changes occurring during processes, distribution and utilization. Other topics include principles of Food Preservation by chilling, freezing, irradiation, dehydration, fermentation and thermal processing; food regulations and inspection systems and the relationships between packaging materials, food processing operations and product quality.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: I
SEMESTER: 1
COURSE CODE: HUEC 1003
COURSE TITLE: INTRODUCTION TO NUTRITION
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
COURSE DESCRIPTION: Concepts of nutrition in relation to health. Food as a source of nutrients. Nutrient composition of foods. Properties, functions, requirements, inter-relationships and metabolism of nutrients in humans.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: I
SEMESTER: 2
COURSE CODE: HUEC 1004
COURSE TITLE: INTRODUCTION TO FOODS AND MEAL MANAGEMENT
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
COURSE DESCRIPTION: Principles involved in preparation of food of standard quality. Influence of composition and techniques on properties of food products. Standard methods of food preparation with emphasis on quality, nutrient retention and safety. At least one field trip is scheduled for this course.
ASSESSMENT:

Coursework - Practical & Theory	40%
Final Examination	60%

LEVEL: I
SEMESTER: 2
COURSE CODE: HUEC 1005
COURSE TITLE: INTRODUCTION TO BIOSTATISTICS
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
COURSE DESCRIPTION: This course covers the principal statistical concepts used in biostatistics. Basic concepts common to all statistical analyses are reviewed, and those concepts with specific importance in biostatistics are covered in detail. The course introduces students to concepts and application of biostatistics methods including descriptive statistics, exploratory data analysis, probability distributions, sampling distributions, estimation and hypothesis testing. Students will develop skills that will enable them to compare means of two groups, proportions of two groups and means and proportions of more than two groups. The course concludes with risk measurement, analysis of variance and Simple Linear Regression. Readings and assignments would complement lectures to assist students in developing basic biostatistics competencies.
ASSESSMENT:

Final Examination	60%
Coursework	40%

LEVEL: I
SEMESTER: 2
COURSE CODE: HUEC 1006
COURSE TITLE: BASIC APPAREL CONSTRUCTION
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
COURSE DESCRIPTION: This course introduces students to the major aspects of apparel production including pattern making methods, and use of the sewing machine. Course includes apparel production terminology and garment construction techniques. Covers data manipulation, drafting a skirt block and creating a complete pattern.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: I
SEMESTER: 1
COURSE CODE: HUEC 1007
COURSE TITLE: INTRODUCTION TO TEXTILES
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
COURSE DESCRIPTION: Introduction to the structure and properties of textiles. Consumer use and fabric characteristics are emphasized.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: II
SEMESTER: 1
COURSE CODE: HUEC 2000
COURSE TITLE: BIOCHEMISTRY
NUMBER OF CREDITS: 3
PREREQUISITES: CHEM 1062 OR EQUIVALENT
AND AGRI 1013
COURSE DESCRIPTION: Chemistry of biological compounds: Carbohydrates, lipids, amino and proteins, nucleic acids etc., pH and buffers, metabolism of energy yielding compounds (bioenergetics); internal and hormonal regulation of metabolic pathways; molecular genetics and implications for the future of clinical nutrition practice.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: II
SEMESTER: 1
COURSE CODE: HUEC 2001
COURSE TITLE: BASIC HUMAN ANATOMY AND PHYSIOLOGY
NUMBER OF CREDITS: 3
PREREQUISITES: AGRI 1013
COURSE DESCRIPTION: The integration of the sciences of human anatomy, physiology and pathology. Functional anatomy with emphasis on basic principles and physiological activities of the different systems of the human body in health and disease.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: II
SEMESTER: 2
COURSE CODE: HUEC 2002
COURSE TITLE: NUTRITION THROUGHOUT THE LIFE CYCLE
NUMBER OF CREDITS: 3
PREREQUISITES: HUEC 1003
COURSE DESCRIPTION: Nutritional requirements for growth and development throughout the life cycle. Analysis of nutrition assessment indicators for each age group. Special consideration to growth standards, maternal weight gain, pregnancy and lactation requirements, eating behaviour of various age and other groups. The physiology of aging as it relates to nutrient adequacy in the mature adult.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: II
SEMESTER: 2
COURSE CODE: HUEC 2003
COURSE TITLE: FOODSERVICE SYSTEMS MANAGEMENT (ORGANISATION, MANAGEMENT AND OPERATIONS)
NUMBER OF CREDITS: 3
PREREQUISITES: HUEC 1004
COURSE DESCRIPTION: The application of Principles of Management to foodservice operations and human resources. Technical and operational aspects in the design of foodservices; including menu planning and evaluation, purchasing, receiving and storage of food and supplies, financial control, inventory control, food delivery and service, sanitation and safety, quality assurance and continuous quality improvement.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: II
SEMESTER: 1
COURSE CODE: HUEC 2004
COURSE TITLE: FOODSERVICE SYSTEMS MANAGEMENT (EQUIPMENT, LAYOUT AND DESIGN)
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
COURSE DESCRIPTION: Introduction to architectural drawings, symbols and design features; reading and interpreting blue-prints; analysis of layout characteristics; principles of workflow and work simplification; sanitation requirements in layout and design; materials used in construction of facilities and equipment in relation to use and care; environmental elements. Determining equipment requirements and writing specifications; equipment purchasing procedures; utilities and services in relation to selection of equipment; energy control; principles of refrigeration and cooling; operation, use and care of equipment. Approximately three (3) field trips are scheduled for this course.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: II
SEMESTER: 1
COURSE CODE: HUEC 2008
COURSE TITLE: PSYCHOLOGICAL ASPECTS OF APPAREL
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
COURSE DESCRIPTION: A study of the theory and research findings pertaining to the social and psychological aspects and appearance in relation to the self, interpersonal, group and societal behaviour.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: II
SEMESTER: 2
COURSE CODE: HUEC 2009
COURSE TITLE: FAMILY RESOURCE MANAGEMENT
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
COURSE DESCRIPTION: Concepts of Management. Nature and scope of management as a function of families. Factors affecting and influencing the economic well-being of families with focus on Income Distribution, Spending Patterns, Inflation and Social Policies. Basic principles of money management - Budgeting, Record-keeping, Savings and Investments, Consumer Credit and Insurance. Personal and family financial considerations for home ownership, home rental and home improvements.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: II
SEMESTER: 2
COURSE CODE: HUEC 2011
COURSE TITLE: PHYSIOLOGY IN HEALTH AND DISEASE
NUMBER OF CREDITS: 3
PREREQUISITES: HUEC 2001
COURSE DESCRIPTION: This course provides a thorough grounding on the physiological responses and adaptations of the human body in disease states and stressful activity including sports and exercise. Emphasis is given to the interdependence of response mechanisms
ASSESSMENT:

In-course	40%
Final Examinations	60%

LEVEL: II
SEMESTER:
COURSE CODE: HUEC 2012
COURSE TITLE: NUTRITION ASSESSMENT FOR SPORTS
NUMBER OF CREDITS: 3
PREREQUISITES: HUEC 1003
COURSE DESCRIPTION: Athletes and other physically active persons pose a challenge nutritionally because of the physical demands required to enhance their performance. Nutritionally needs vary according to the intensity, duration and the nature of the physical activity. This course provides the fundamentals for assessing the nutritional needs of physically active person and athletes. Topics include, meal planning for peak performance, development and testing of nutritional assessment and sport and activity questionnaires, computerized dietary analysis, anthropometric methods, techniques in sports nutrition counseling.
ASSESSMENT:

In-course	40%
Final Examinations	60%

LEVEL: II
SEMESTER: 2
COURSE CODE: HUEC 2013
COURSE TITLE: PRINCIPLES OF DIETETICS
NUMBER OF CREDITS: 3
PREREQUISITES: HUEC 1003
COURSE DESCRIPTION: This course provides the fundamental material necessary for understanding concepts taught in Medical Nutrition Therapy I and II. Topics include the history, ethics, practice and terminology for professionals in Nutrition and Dietetics, Nutrition Assessment and Documentation, Nutrient-Drug Interaction, alternative and complementary therapies, and nutrition support in the management of the nutrition care process.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: II
SEMESTER: 1
COURSE CODE: HUEC 2014
COURSE TITLE: NUTRITION AND METABOLISM
NUMBER OF CREDITS: 3
PREREQUISITES: HUEC 1003 & AGRI 1013
COURSE DESCRIPTION: The integration and contribution of related scientific disciplines to the study of nutrition. The physiological aspects of nutrition: digestion, absorption, transport and exchange in normal and specialized cells; utilization of the essential nutrients emphasizing regulatory mechanisms at cellular and organ levels; nutrient interrelationships.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: II
SEMESTER: 1
COURSE CODE: HUEC 2015
COURSE TITLE: FOOD QUALITY AND SAFETY
NUMBER OF CREDITS: 3
PREREQUISITES: HUEC 1001 AND AGRI 1012
COURSE DESCRIPTION:
This course Involves a study of food quality components, the factors affecting food quality, food quality and safety management systems, development of food quality assurance strategies, principles of statistical quality and process control, an overview of food safety, risks and benefits, naturally occurring food toxicants, bacteriological problems in foods, moulds and mycotoxins, food additives, pesticides and incidental contaminants.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: III
SEMESTER: 1
COURSE CODE: HUEC 3000
COURSE TITLE: FLAT PATTERN DEVELOPMENT
NUMBER OF CREDITS: 3
PREREQUISITE: NONE
COURSE DESCRIPTION: This course introduces basic industrial techniques of pattern making. The principles and procedures governing the development and use of basic slopers, and the use of manual flat pattern methods to develop patterns by varying a master pattern form given or self-designed sketches are covered. Emphasis is on the design process culminating in the designing of original apparel by the flat pattern method.
ASSESSMENT:

Mid-term Examination	15%
Practicals	25%
Final Examination	60%

LEVEL: III
SEMESTER: 1
COURSE CODE: HUEC 3001
COURSE TITLE: COMMUNITY NUTRITION
NUMBER OF CREDITS: 3
PREREQUISITES: HUEC 2002 AND HUEC 2014
COURSE DESCRIPTION: Functions and effectiveness of various community-based nutrition related resources, services and programmes along with government policy and systems that influence them; sociocultural factors affecting nutritional status; evaluation of nutrition education programmes; health promotion; assessment of nutritional status through the identification of major nutrition problems at the local, national and international levels; nutrition surveillance; food and nutrition policy and planning; research.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: III
SEMESTER: 2
COURSE CODE: HUEC 3002
COURSE TITLE: FOODSERVICE SYSTEMS MANAGEMENT (QUANTITY FOODS)
NUMBER OF CREDITS: 3
PREREQUISITES: HUEC 1004
COURSE DESCRIPTION: Standards and methods of quantity food production and management; Experiences and case studies in planning for production, recipe standardization, use of quantity foodservice equipment, nutrient and quality preservation, portion control, merchandising and service, cost calculations, energy management; quality control.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: III
SEMESTER: 1
COURSE CODE: HUEC 3004
COURSE TITLE: FOOD PRODUCT DEVELOPMENT
NUMBER OF CREDITS: 3
PREREQUISITES: HUEC 1001
COURSE DESCRIPTION: Application of food science principles and experimental procedures to problems in foods. Practical investigations, experimental techniques leading to experience in developing a product; organizing taste panels for sensory evaluation and acceptance of product; market testing; market research; patents; packaging, labelling; marketing; advertising.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: III
SEMESTER: 1
COURSE CODE: HUEC 3005
COURSE TITLE: MEDICAL NUTRITION THERAPY I
NUMBER OF CREDITS: 3
PREREQUISITES: HUEC 2011, HUEC 2013 AND HUEC 2014
COURSE DESCRIPTION: Medical Nutrition Therapy I focus on the physiological and biochemical anomalies of disease and the adaptation of diet in the treatment or prevention of disease; application of the principles and concepts of nutrition therapy to meet nutrient, medical, social and psychological needs of patients. It develops the knowledge base needed to assess, plan, implement, and evaluate the nutrition care process. Topics include nutritional management in disease of the Oral cavity, Digestive system, Upper and Lower Gastrointestinal tract, Liver, Biliary system and Exocrine pancreas, Energy balance and weight control, Endocrine system and Metabolic disorders, Cardio-vascular and Pulmonary disease.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: III
SEMESTER: 2
COURSE CODE: HUEC 3006
COURSE TITLE: MEDICAL NUTRITION THERAPY II
NUMBER OF CREDITS: 3
PREREQUISITES: HUEC 2011, HUEC 2013 AND HUEC 2014.
COURSE DESCRIPTION: Medical Nutrition Therapy II is a continuation of Medical Nutrition Therapy I, which involves the study of the physiological and biochemical anomalies of disease and the adaptation of the diet in the treatment or prevention of disease: application of the principles and concepts of nutrition therapy to meet nutrient, medical, social and psychological needs of patients. It develops the knowledge base needed to assess, plan, implement, and evaluate the nutrition care process. Topics include the nutritional management of physiological stress and hypermetabolic conditions e.g. Illness, Infection, Surgery / Trauma and Burns, Cancer and HIV/AIDS, Renal disease, Anemia, Low birth weight infant, Nervous system, Food allergy and Food Intolerances.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: III
SEMESTER: 2
COURSE CODE: HUEC 3007
COURSE TITLE: LAW AND THE FAMILY
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
COURSE DESCRIPTION: Family law, consumer laws and the rights of the consumers with respect to the variety of goods and services offered in the society, such as health, clothing, shelter and the use of leisure without infringing the rights of others. Laws applicable to the processing, packaging, labelling and distribution of food, food safety and nutritive value. Laws of major food regulatory agencies.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: III
SEMESTER:
COURSE CODE: HUEC 3008
COURSE TITLE: CHILD DEVELOPMENT
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
COURSE DESCRIPTION: Focus on the physical/motor, intellectual, social and psychological personality aspects of the development of children throughout the life cycle; Stages of infancy; childhood, pre-adolescence and adolescence, and the influences of family, school and society. Topics include theories of brain development, general development trends, physical development at pre-adolescence, the growth spurt, sexual maturation, Piagetís theory of cognitive development, Ericksonís stage theory of personality development, Kohlbergís theory and implications for education; Self-concept development.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: III
SEMESTER:
COURSE CODE: HUEC 3009
COURSE TITLE: EQUIPMENT PRINCIPLES
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
COURSE DESCRIPTION: Utilisation of water, electricity and gas for doing work and maintaining health, safety and comfort in the home environment. Selection and use of appliances as related to consumer needs, interests and resources.
ASSESSMENT:

Final Examination	100%

LEVEL: III
SEMESTER: 2
COURSE CODE: HUEC 3010
COURSE TITLE: HOUSING AND THE ENVIRONMENT
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
COURSE DESCRIPTION: Physical, cultural, economic, social and personal factors pertinent to the provision and performance of housing. Functionality of residential interiors with respect to ergonomics, lighting, comfort and health. Water and sanitation; safety; siting, land use and planning concerns; transportation.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: III
SEMESTER: 2
COURSE CODE: HUEC 3011
COURSE TITLE: ADVANCED TEXTILES
NUMBER OF CREDITS: 3
PREREQUISITES: HUEC 1007
COURSE DESCRIPTION: Recent advances in the production and performance of fibres, yarns, finishes and dyes for textile products. Laboratory experiences designed to provide a familiarity with the standards, methods and equipment for evaluating textile product performance.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: III
SEMESTER: 1 & 2
COURSE CODE: HUEC 3012
COURSE TITLE: PROJECT
NUMBER OF CREDITS: 4
PREREQUISITE: NONE
COURSE DESCRIPTION: A project within a subject area relevant to the student's degree option.
ASSESSMENT:

Project Report	60%
In course Assignments	20%
Oral Presentation	20%

* See Project Booklet for detailed guidelines
NOTE: Students will be examined at the end of the semester in which they are registered

LEVEL: III
SEMESTER:
COURSE CODE: HUEC 3013
(NOT OFFERED IN 2020/2021)
COURSE TITLE: ADVANCED APPAREL DESIGN AND CONSTRUCTION
NUMBER OF CREDITS: 3
PREREQUISITES: HUEC 1006
COURSE DESCRIPTION: Principles of advanced techniques for apparel construction with emphasis on new, difficult to handle fabrics.
ASSESSMENT:

LEVEL: III
SEMESTER: 1
COURSE CODE: HUEC 3014
COURSE TITLE: NUTRITION IN SPORTS AND FITNESS
NUMBER OF CREDITS: 3
PREREQUISITES: HUEC 1003 AND HUEC 2001
COURSE DESCRIPTION: This course will provide a basic grounding in human nutrition as it relates to sport and physical activity. Topic will include; brief history of nutrition and exercise, philosophy of sports nutrition, overview of the physiology and biochemistry of exercise, carbohydrate, lipid and protein metabolism during exercise, water and electrolyte balance during exercise, determination of body composition and energy expenditure in athletes, nutrition and exercise in weight control, designing and analysis of diets for training, during competition and post competition.
ASSESSMENT:

In-Course examination	20%
Practicals	20%
Final Examination	60%

LEVEL: III
SEMESTER: 2
COURSE CODE: HUEC 3015
COURSE TITLE: NUTRITION AND HEALTH IN SPORTS PERFORMANCE NUMBER OF CREDITS: 3
PREREQUISITES: HUEC 1003 AND HUEC 2001
COURSE DESCRIPTION: This course follows on from NUTRITION AND FITNESS I and provides the platform for an evidence-base perspective of the role of nutrition in sports and physical activity. Topics will include introduction to research methods in nutrition and sports, how to read and critique a piece of published work on sports nutrition, evaluation of dietary analysis and physical performance software, antioxidants in sports and fitness, minerals in sports and fitness, nutritional issues for active persons with special needs, ergogenic aids and physical performance, nutritional problems of athletes, nutritional counseling of athletes and physically active persons.
ASSESSMENT:

In-course Examinations	20%
Practicals	20%
Final Examinations (2-hours)	60%

LEVEL: III
SEMESTER: 2
COURSE CODE: HUEC 3016
COURSE TITLE: NUTRITION IN HEALTH AND DISEASE
NUMBER OF CREDITS: 4
PREREQUISITES: HUEC 1003 AND HUEC 2001
COURSE DESCRIPTION: With the exponential increases in the number of studies linking nutrition to the prevention and treatment of disease there is an urgent need for an evidence based approach to understanding reliability and validity of research findings. This course provides a foundation for understanding the role of nutrition in health and disease states. Topic include evaluating nutrition research, diet and human development, nutrition and diseases of the intestinal tract, nutrition and cardiovascular diseases, nutrition and diabetes, obesity, nutrition and cancer, nutrition and bone development, nutrition and immunity.
ASSESSMENT:

In-course	40%
Final Examinations	60%

LEVEL: III
SEMESTER: 2
COURSE CODE: HUEC 3017
COURSE TITLE: COMPUTER AIDED PATTERN DEVELOPMENT
NUMBER OF CREDITS: 3
PREREQUISITES: HUEC 1006,HUEC 1007 AND HUEC 2008
COURSE DESCRIPTION: This course builds on the introductory course in Flat Pattern Development. It incorporates and addresses the integral value of computer technology within the fashion system with modules focusing on textile developments and digital pattern design in fashion. Students would be required to develop advanced patterns for garments by draping fabric and using a computer-aided design system.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: III

SEMESTER: 1
COURSE CODE: HUEC 3018
COURSE TITLE: FASHION INDUSTRY AND BUSINESS
NUMBER OF CREDITS: 3
PREREQUISITES: HUEC 1006, HUEC 1007 AND HUEC 2008
COURSE DESCRIPTION: This course presents an overview of the global fashion industry. It looks at structure, size and scope and the range of entrepreneurial activities/opportunities and careers. From this introduction the local/regional industry is studied from the viewpoint of the entrepreneur. Trends in the fashion industry are considered in term of preferences by age groups and demographics; trends in business growth areas are also considered. Entry requirements and strategies for the local/regional industry are considered for emerging entrepreneurs. The course includes lectures / seminars by various consultants in the fashion and fabric industries.
ASSESSMENT:

Coursework (Project)	40%
Examination	60%

LEVEL: III
SEMESTER: 1
COURSE CODE: HUEC 3019
COURSE TITLE: COMPUTER AIDED DESIGN FOR THE FASHION INDUSTRY
NUMBER OF CREDITS: 3
PREREQUISITES: HUEC 1006 HUEC 1007 AND HUEC 2008
COURSE DESCRIPTION: This course covers the use of computers in the innovative design of clothing and other products for the fashion industry. It involves the creation and development of original designs applicable to the Caribbean fashion industry, using flat pattern and/or draping techniques. Students will be introduced to a number of computer software used in the fashion industry and shown the application of product data management in the industry. Students will also be introduced to the preparation of a professional portfolio comprising cad and other illustrative materials reflecting individual capability.
ASSESSMENT:

Coursework	75%
Final Examination	25%

LEVEL: III
SEMESTER: 2
COURSE CODE: HUEC 3020
COURSE TITLE: DEVELOPMENT OF CARIBBEAN CUISINE
NUMBER OF CREDITS: 3
PREREQUISITES: HUEC 1003, AGEX 1000 OR AGEX 1003
COURSE DESCRIPTION: The development of unique Caribbean cuisine based on indigenous products presents significant opportunities for entrepreneurial growth and development in the Food Industry and Food Service sector. This course focuses on the application of food science principles and food safety systems such as food laws and regulations.
ASSESSMENT:

Coursework	40%
Examination	60%

LEVEL: III
SEMESTER: 4
COURSE CODE: HUEC 3021
COURSE TITLE: PRACTICUM (CONSUMER SCIENCES)
NUMBER OF CREDITS: 3
PREREQUISITE: (RESTRICTED TO STUDENTS REGISTERED FOR BSc HUMAN ECOLOGY OR THE MAJOR IN CONSUMER SCIENCES)
COURSE DESCRIPTION: This course provides an experiential learning approach to Investigating from a scientific purview important Issue as related to consumer science and behaviours. It involves placement for up to ten weeks at a relevant institution.
ASSESSMENT:

Coursework	100%

LEVEL: III
SEMESTER: 4
COURSE CODE: HUEC 3022
COURSE TITLE: PRACTICUM (NUTRITIONAL SCIENCES)
NUMBER OF CREDITS: 3
PREREQUISITE: (RESTRICTED TO STUDENTS REGISTERED FOR THE BSC HUMAN ECOLOGY OR THE MAJOR IN NUTRITION SCIENCES)
COURSE DESCRIPTION: This course provides an experiential learning approach to Investigating from a scientific purview important Issue as related to the Discipline on Nutrition. It involves placement for up to ten weeks at a relevant institution
ASSESSMENT:
Coursework 100%

LEVEL: III
SEMESTER: 4
COURSE CODE: HUEC 3023
COURSE TITLE: PRACTICUM (FOODS AND FOODSERVICE)
NUMBER OF CREDITS: 3
PREQUISITE: (RESTRICTED TO STUDENTS REGISTERED FOR THE BSC HUMAN ECOLOGY OR THE MAJOR IN FOOD AND FOODSERVICE SYSTEMS MANAGEMENT)
COURSE DESCRIPTION: This course provides an experiential learning approach to Investigating from a scientific purview important Issue as related to Food and foodservice systems It involves placement for up to ten weeks at a relevant institution
ASSESSMENT:
Coursework 100%

LEVEL: DIPLOMA
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 MPHIL/PHD IN HUMAN ECOLOGY)
COURSE DESCRIPTION: A comprehensive review of the organizational 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 standardization, 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%

LEVEL: DIPLOMA
SEMESTER: 1
COURSE CODE: HUEC 5010
COURSE TITLE: FOODSERVICE SYSTEMS MANAGEMENT PRACTICUM
NUMBER OF CREDITS: 8
PREREQUISITES: (RESTRICTED TO STUDENTS REGISTERED FOR THE DIPLOMA IN INSTITUTIONAL AND COMMUNITY DIETETICS AND NUTRITION)
COURSE DESCRIPTION: Supervised practice in all aspects of foodservice operation and subsystem at institutions and at the community level; coordination of foodservice subsystems, including menu planning and evaluation, policies and procedures, organization of available resources and quality assurance; design and layout of physical facilities; utilization of problem-solving and decision making skills under the supervision of a qualified Dietician.
Application of knowledge and skills, integrating clinical nutrition into the management of foodservice, nutrition goals and nutrition education. Management of human, material, operating and facility resources including procurement, pre-processing, production, food distribution and service; maintenance of equipment and supplied; sanitation and safety.
ASSESSMENT:
Assignments 100%

LEVEL: DIPLOMA
SEMESTER: 2
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 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%

LEVEL: DIPLOMA
SEMESTER: 2
COURSE CODE: HUEC 5030
COURSE TITLE: CLINICAL NUTRITION PRACTICUM
NUMBER OF CREDITS: 8
PREREQUISITES: (RESTRICTED TO STUDENTS REGISTERED FOR THE DIPLOMA IN INSTITUTIONAL AND COMMUNITY DIETETICS AND NUTRITION)
COURSE DESCRIPTION: Application of knowledge and skills in the collection, assessment, planning, implementation and evaluation of nutritional care of clients with specified diseases and needs; principles of nutritional care in a clinical setting; nutrient modifications in respect of diagnosis, treatment, prevention of complications in various diseases and disorders. Candidates will be assigned to various primary clinical facilities for clinical experience, participating in Paediatrics, Endocrinology, Cancer/Aids/Gerontology, Nephrology, Surgical/Trauma, and Psychiatry/Substance Abuse rotations under the supervision of a qualified Dietician.
ASSESSMENT:

Clinical Appraisal/Case Reviews	40%
Educational Projects	30%
Clinical Update/Research	30%

LEVEL: DIPLOMA
SEMESTER: 4
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 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%

LEVEL: DIPLOMA
SEMESTER: 4
COURSE CODE: HUEC 5050
COURSE TITLE: COMMUNITY NUTRITION PRACTICUM
NUMBER OF CREDITS: 8
PREREQUISITES: (RESTRICTED TO STUDENTS REGISTERED FOR THE DIPLOMA IN INSTITUTIONAL AND COMMUNITY DIETETICS AND NUTRITION)
COURSE DESCRIPTION: This course will focus on the following areas as applied to community nutrition and nutrition services available within the community: community organization and need; nutritional components of the health care system; poverty and nutritional problems of economically disadvantaged groups; health promotion-nutrition guidelines; national food and nutrition programmes and policies; agencies (local, regional, international) dealing with nutrition related issues; delivery of quality nutrition services; and legislative and regulatory processes.
Clinical practice in (Ministry of Health) one or more health regions in Trinidad and Tobago is coordinated with the theory presented in HUEC 504. A dietitian/public health nutritionist will coordinate the rotation.
ASSESSMENT:
Assignments 100%

LDSP – LANDSCAPING

LEVEL: 1 YEAR 1
SEMESTER: SUMMER - 6 WEEKS
COURSE TITLE: LDSP 1000 - PRACTICAL SKILLS
NUMBER OF CREDITS: 3
PRE-REQUISITES: NONE
COURSE DESCRIPTION: Collecting basic information and quantitative data for exterior and interior environments. An introduction to nursery operations for annuals and shrubs. Establishment and maintenance of potted plants. Establishment and maintenance of annuals and shrubs outdoors. Equipment selection, use and maintenance.
ASSESSMENT:
Coursework – 100% - Journal and portfolio (50%) – journal assessed throughout the course, portfolio due during last week of the course; Manual - 50% (due during the last week of the course).

LEVEL: II
SEMESTER: SUMMER
COURSE CODE: LDSP 2000
COURSE TITLE: LANDSCAPING INTERNSHIP
NUMBER OF CREDITS: 4
PRE-REQUISITES: HORT 2001; (VART 2401 OR VART 2402); (HORT 2002 OR 3002); LDSP 1000
COURSE DESCRIPTION: A 10-week attachment to a landscaping operation in the public or private sector in the Caribbean.
ASSESSMENT:
Assessment of performance – 30% (Internship supervisor); 10% (lecturer). Both assessments are conducted throughout the internship.
Student's journal and portfolio (30%) (Journal due Wk. 3, 6, 9); report – 30% (portfolio and report due 1 week after end of internship)

LEVEL: II
SEMESTER: 1 AND 2
COURSE CODE: LDSP 3001
COURSE TITLE: LANDSCAPING PROJECT
NUMBER OF CREDITS: 4
PRE-REQUISITES: HORT 2001; HORT 2002; (VART 2401 AND VART 2402) (HORT 3002 AND/OR HORT 3001) LDSP 3002; LDSP 1000; LDSP
COURSE DESCRIPTION: A landscaping project will require development of a landscaping proposal for presentation to a client. The proposal will cover the design solution, installation and maintenance.
ASSESSMENT:
Coursework – 100% - [journal and portfolio – 25 % (journal assessed throughout project and portfolio due Wk. 13); project – 60 % (process assessed throughout project and product due on Project Deadline Date); oral presentation and examination – 15% (due by Wk. 13)

LEVEL: II
SEMESTER: 1
COURSE CODE: LDSP 3002
COURSE TITLE: HARDSCAPE CONSTRUCTION AND MAINTENANCE
NUMBER OF CREDITS: 3
PRE-REQUISITES: AGSL 1001
(AGSL 1001); LANDSCAPE DESIGN 2 (VART 2402 /2040), PRACTICAL SKILLS (LDSP 1000)
COURSE DESCRIPTION:
Explore successful hardscape designs through different methods. Establish suitable hardscape options for the Caribbean. Site analysis; alternation of land form (grading) and storm water management. Hardscape features for sustainable landscapes – environmental, engineering, architectural and aesthetic functions. Selection criteria for materials. Best practices including engineering standards and appropriate technologies for grading, berm formation and for installing drainage and irrigation systems Best practices including engineering standards and appropriate technologies for installing hardscape floors, walls and fences, ceilings; embellishments including lighting and water features, statuary and sculpture; other features e.g. planters, seating, arbors. Best practices for maintaining hardscape Plans and specifications for landform alterations, irrigation, drainage and hardscape requirements, layout and dimensioning, calculations and budgets. Proposals for installation and maintenance of hardscape features. Maintenance schedules. Safety practices.
ASSESSMENT:
Coursework (60%) - Case studies – 15 % (due Wk. 5, 10); Laboratory – 15% (due Wk. 6. 11); Project – 25% (due Wk. 13); Seminar – 5% (due Wk. 13)
Final Examination – 40%

MKTG - MARKETING

LEVEL: II
SEMESTERS: 1 OR 2
COURSE CODE: MKTG 2001
COURSE TITLE: PRINCIPLES OF MARKETING
NUMBER OF CREDITS: 3
PREREQUISITES: ECON 1001 OR AGBU 1005 AND
ACCT 1002
DEPARTMENT RESPONSIBLE: MANAGEMENT STUDIES
COURSE DESCRIPTION: This course is intended to provide students with the conceptual framework and analytical skills necessary for the analysis of markets and marketing activities of firms in a dynamic environment.
ASSESSMENT:

Coursework	40%
Final Examination	60%

MGMT – MANAGEMENT

LEVEL: II
SEMESTER: 1 OR 2
COURSE CODE: MGMT 2006
COURSE TITLE: MANAGEMENT INFORMATION SYSTEMS I
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
COURSE DESCRIPTION: This course provides an overview of Management Information Systems. It describes the components of Management Information Systems and the relationship of MIS to the larger area of Organization and Management. Information Systems Technology is covered.
ASSESSMENT:

Coursework	25%
Final Examination	75%

LEVEL: II
SEMESTER: 1
COURSE CODE: MGMT 2007
COURSE TITLE: INTRODUCTION TO E-COMMERCE
NUMBER OF CREDITS: 3
PREREQUISITES/CO-REQUISITE: MKTG 2001 AND MGMT 2006
COURSE DESCRIPTION: This course aims to prepare students with the requisite fundamentals to enable them to provide the business perspective/inputs to the e-commerce adoption process. Emphasis will be on the underlying commercial principles of e-commerce rather than on the technological processes. Topics to be covered include: internet demographics; internet business models; customer support strategies; security issues in e-commerce; legal issues in e-commerce; logistical challenges for Caribbean e-commerce.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: II
SEMESTERS: 1 OR 2
COURSE CODE: MGMT 2008
COURSE TITLE: ORGANISATIONAL BEHAVIOUR
NUMBER OF CREDITS: 3
PREREQUISITES: SOCI 1002 OR MGMT 1001 OR
AGEX 1000 OR HUEC 1003
DEPARTMENT RESPONSIBLE: MANAGEMENT STUDIES
COURSE DESCRIPTION: This course uses the systems approach to organizations to highlight how interrelated variables such as people, technology, task, structure and external environments impact on organizational effectiveness. Emphasis is on the nature of behavioural issues and how and why they impact on the functioning of organizations.
ASSESSMENT:

Coursework	40%
Final Examination	60%

LEVEL: II
SEMESTERS: 1 OR 2
COURSE CODE: MGMT 2021
COURSE TITLE: BUSINESS LAW
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
DEPARTMENT RESPONSIBLE: MANAGEMENT STUDIES
COURSE DESCRIPTION: The main focus of this course is the general principles of the law of contract, the law of Agency as well as other related areas of interest like the Sale of Goods Act and the Hire Purchase Act 1938 and 1954. Background material covers the role and function of the law in society, the sources of the law, the legal system etc.
ASSESSMENT:

Coursework	25%
Final Examination	75%

LEVEL: II
SEMESTERS: 1 OR 2
COURSE CODE: MGMT 2023
COURSE TITLE: FINANCIAL MANAGEMENT I
NUMBER OF CREDITS: 3
PREREQUISITES: FOR AGRIBUSINESS MANAGEMENT STUDENTS: ACCT 1002 AND ECON 1003 OR AGRI 1003
DEPARTMENT RESPONSIBLE: MANAGEMENT STUDIES
COURSE DESCRIPTION: This course is concerned with the core concepts of financial decision-making; the time-value of money, the cost of capital and trade-offs between risk and return. Students should develop a thorough understanding of these basic concepts and how to apply them in real-world examples
ASSESSMENT:

Coursework	25%
Final Examination	75%

LEVEL: III
SEMESTER: 1
COURSE CODE: MGMT 3017
COURSE TITLE: HUMAN RESOURCE MANAGEMENT
NUMBER OF CREDITS: 3
PREREQUISITES: MGMT 2008 OR GOVT 2071
COURSE DESCRIPTION: This course provides participants with a broad overview of issues pertaining to human resource management with special reference to the Caribbean environment.

PSYC - PSYCHOLOGY

LEVEL: I
SEMESTER: II
COURSE CODE: PSYC 1004
COURSE TITLE: INTRODUCTION TO SOCIAL PSYCHOLOGY
CREDITS: 3
PREREQUISITES: NONE
DEPARTMENT RESPONSIBLE: BEHAVIOURAL SCIENCES
COURSE DESCRIPTION: This course seeks to introduce students to the field of Social Psychology as the scientific study of how people think about, influence, and relate to one another while introducing its scope of study and its methodology. This course intends to give students an appreciation for the combined analysis of psychological and sociological perspectives in studying human behaviour. Social Psychology will, therefore, be constructed as an interactionist discipline. Students will be exposed to numerous social psychological concepts, particularly in the light of empirical research, including primary and secondary socialization and its consequences in relationships; self and personality development; attitude formation and measurement; persuasion; conformity, compliance, obedience and deviance; group behaviour; interpersonal relations; impression formation, aggression and altruistic behaviour. Each topic will be covered in sufficient depth for students to be able to appreciate classical social psychological concepts and findings. Students will also develop a keen appreciation for social psychology as a tool for national, as well as personal development.

LEVEL: II
SEMESTER: I
COURSE CODE: PSYC 2011
COURSE TITLE: SELECTED THEORIES IN SOCIAL PSYCHOLOGY
NUMBER OF CREDITS: 3
PREREQUISITES: PSYC 1003 OR PSYC 1004
COURSE DESCRIPTION:
This course presents students with an overview of the theories and content areas in social
psychology. Social psychology is the broadest of the branches of psychology, analyzing how the individual influences, and is in turn influenced by the actual or imagined presence of others. This course gives students an understanding of the processes and forces that shape and are shaped by human interaction. Core topics will include: attribution theories, social exchange theories, field theory, consistency theories, reactance theory, theories on self, social comparison theory, social cognition and social perception. The course is divided into four sections. These sections will introduce students to specific theories and concepts in social psychology. All lectures and tutorials are essential

LEVEL: II
SEMESTER: I
COURSE CODE: PSYC 2012
COURSE TITLE: DEVELOPMENTAL PSYCHOLOGY
CREDITS: 3
PREREQUISITES: PSYC 1003 OR
PSYC 1004
DEPARTMENT RESPONSIBLE: BEHAVIOURAL SCIENCES
COURSE DESCRIPTION:
This course focuses on the unfolding human life cycle from conception to old age through the interplay of biological, cognitive and socioemotional processes. This course seeks to understand how and why individuals change overtime. The interplay between cultural norms and psychological patterns is examined, and the factors related to healthy growth and development from an individual and a societal perspective are explored. Major theories and concepts will be introduced as various aspects of life span development are covered.

VART – VISUAL ARTS

LEVEL: I
SEMESTER: 1
COURSE CODE: VART 1404
COURSE TITLE: INFORMATION COMMUNICATION TECHNOLOGY AND DESIGN FOUNDATIONS
NUMBER OF CREDITS: 3
PRE-REQUISITES: NONE
COURSE DESCRIPTION: This is a studio course. The emphasis of course is to provide art and design foundation for further experimentation and creative work. It concentrates on the study of the fundamental elements and principles of art and design in the studio practices of artists and designers. This course encourages the application of cultural, scientific and critical studies in exploration of methods for creating 2 and 3-dimensional forms. Course introduces Information and Communication Technology as a tool for research and presentation of group and individual projects.
ASSESSMENT:
Coursework 100%

LEVEL: I
SEMESTER: 2
COURSE CODE: VART 1406
COURSE TITLE: COLOUR AND MATERIALS
PREREQUISITE: NONE
NUMBER OF CREDITS: 3
COURSE DESCRIPTION: This is a studio course. It introduces experimentation and theoretical study of colour, art and design media and materials.
ASSESSMENT:
Coursework 100%
******Studio attendance and participation*
Portfolio and coursework journal

SEMESTERS: 1 AND 2
COURSE CODE: VART 2401 (SEMESTER 1) AND
VART 2402 (SEMESTER 2)
COURSE TITLE: LANDSCAPE DESIGN 1 AND
LANDSCAPE DESIGN 2
NUMBER OF CREDITS: 3 EACH
PRE-REQUISITES: VART 1404 AND VART 1406
COURSE DESCRIPTION: This course offers a continuation of practical studies in the design process of problem solving as it applies to tropical landscaping. Students will learn concept visualization based on techniques of visual communication and design, exploration of sources of design Innovation, the study of materials for appropriate use and context in built and natural environments. This course Is taught over two sequential semesters and examines the context of landscape through field trips and visual analysis of its features. Practical experience in visual description, documentation and analysis will be developed in modules of theory and practical study.
ASSESSMENT:
Coursework 100%

SECTION XVI – CERTIFICATES & DIPLOMAS

UWI UNDERGRADUATE DIPLOMA IN AGRICULTURE

Historically, students admitted to pursue degree programmes in agriculture have come mainly from two sources. They were (i) holders of an agricultural diploma or Associate degree in Agriculture and (ii) CSEC graduates admitted through a one year Pre-agriculture programme conducted by the Faculty. Following the merger of Agriculture with Natural Science, the Pre-agriculture programme was disconnected from Agriculture and reoriented to Science. With the re-establishment of the Agriculture and allied disciplines as a separate Faculty, the need for admission of more students who are better prepared to pursue agriculture was apparent and the Faculty was mandated to formulate an appropriate solution. The Faculty's response based on its own experience, lessons gained from consultation of stakeholders, as well as from reviews of other diploma level programmes in the region was to introduce a two-year undergraduate diploma programme in agriculture, following which successful students will be admitted to the BSc programme in Agriculture for two years. Therefore, this diploma programme was designed to serve as a suitable platform for preparing students for a career in agriculture.

GRADUATE CAREER PATHS

This diploma programme is designed to equip graduates with the necessary competencies, skill sets and knowledge to:

- become modern-day agriculturalists and agricultural entrepreneurs
- become specialists in agricultural technologies
- commence a career in the agriculture sector as entry level technical or support personnel
- become agricultural extension agents
- pursue degree level training in agricultural science and technology-oriented programmes
- serve as teachers of agriculture at the primary school level

ACADEMIC QUALITY ASSURANCE

Diverse approaches will be employed for quality assurance purposes of the UWI diploma programme. Periodic internal and external review of the programme will be employed in accordance with existing UWI practice. Members of FFA academic staff will serve as examiners in relevant courses. Internal evaluation of the programme will take into account inputs from stakeholders.

PROGRAMME CONTENT

The curriculum is designed to facilitate integration of knowledge, competencies and skills development across the curriculum to reflect the multi-disciplinary nature of agriculture. The programme incorporates information technology and communication skills in a curriculum which integrates the competencies of the agricultural and other support sciences, including the social sciences, with agricultural technology. This approach is adopted to strengthen the science and communication content of the curriculum while maintaining a sound practical agricultural base. The incorporation of the relevant science topics in this diploma is justified as a means of correcting the deficiency observed historically among new admissions to BSc Agriculture with diploma level qualifications from some regional TLIs where the curricula are based on relatively low levels of science and in a few cases technology contents.

PROGRAMME OF STUDY

The programme of study for the Undergraduate Diploma in Agriculture (UDA) offered in the FFA is outlined in Section 4 of the Regulations below.

PERIOD OF STUDY

The period of study for the Diploma in Agriculture shall normally be two (2) years of full-time study. Part-time admission and certificate level training for UWI intake will be considered in the future.

COURSE DELIVERY MODES

The training for this Diploma requires mastery of a range of skills and competencies, and knowledge pertinent to the level, therefore, various relevant delivery modes suitably adapted for each course will be used to ensure the achievement of the curricula goals. The delivery modes would include lectures supported by active learning strategies such as tutorials, projects, field and laboratory-based practicals and field visits. Specially designed courses will be offered at the University

Field Station to ensure that the graduates are well-grounded in the practical aspects of food and agriculture from the farm to the table. Course assessments are all designed to match the requirements of each course. Details will be provided in the individual course outlines by the lecturers.

AWARD OF THE DIPLOMA

The Diploma in Agriculture will be awarded on successful completion of 66 credits. In order to qualify for this award, students must have passed all the required courses and attained a minimum cumulative grade point average (CGPA) of two (2.0).

MATRICULATION AND ADMISSION LEVELS TO BSc PROGRAMMES IN FFA

The graduates of the Diploma in Agriculture will meet the matriculation requirements for admission to specific BSc programmes in the FFA at the year two level.

PROGRAMME COORDINATION

The Department of Food Production will coordinate the UDA.

REGULATIONS FOR THE UNDERGRADUATE DIPLOMA IN AGRICULTURE (UDA)

1. PREFACE

The UDA is a two-year full time programme which targets holders of a CSEC certificate interested in Diploma level training in agriculture as a means of matriculating to degree programmes in Agriculture or a career at the technical level in the food and agriculture sector chain. In addition to regulations governing its administration, the UDA is subject to both University and FFA regulations.

2. QUALIFICATIONS FOR ADMISSION TO THE UDA

In order to be admitted into the Undergraduate Diploma programme in Agriculture candidates must have:

- Passes in a minimum of five (5) GCE O' Level or CSEC (CXC) General Proficiency Level examination at Grades I, II or, since 1998, Grade III, including English Language and Mathematics and must have at least one science subject which may include Agricultural Science, Biology, Chemistry, Geography, Integrated Science or Physics.

3. QUALIFYING

English Language and Mathematics are compulsory for admission into the UDA. Candidates who do not possess the minimum entry requirements in one or both of these subjects but meet other requirements may be admitted to a qualifying semester, subject to approval by the Faculty, to pursue relevant courses to improve their competency in Mathematics and/or English Language before entry into the UDA.

ENGLISH LANGUAGE: Candidates who do not possess a pass in CSEC English A at Grades I, II or since 1998, Grade III, a Grade A in GCE O' Level/BGCSE English Language, would be required to pass the English Language Proficiency Test offered by the Faculty of Humanities and Education.

MATHEMATICS: Candidates who do not possess a pass in CSEC Mathematics at Grades I, II or since 1998, Grade III, a Grade A in GCE O' Level/BGCSE Mathematics, would be required to pass the Course IYMS 1001/ MATH 0103: Improving Your Math Skills offered at Open Campus.

Students will be allowed to repeat their qualifying semester but must attain the minimum requirements of passes in ELPT or IYMS 1001/ MATH 0103: Improving your Math Skills before entry into the UDA.

4. OUTLINE OF THE UDA PROGRAMME

Students admitted to the UDA programme are expected to complete 66 credits over a two-year period. The structure of the programme is given below:

YEAR 1
Semester 1

Course Code	Course Title	Credits
AGRI 0101	Agriculture, Food and the Environment	3
AGRI 0102	Agricultural Physics	2

AGRI 0103	Agricultural Chemistry	3
AGRI 0104	Agricultural Biology I	3
AGRI 0105	Language and Communication	2
AGRI 0106	Computer and Information Literacy	2
Total Credits		15

SEMESTER 2

Course Code	**Course Title**	**Credits**
AGRI 0107	Mathematics	3
AGRI 0108	Agricultural Biology II	3
AGRI 0109	Agricultural Biochemistry	3
AGRI 0110	Introductory Soils Science	3
AGRI 0111	Crop Production I	2
AGRI 0112	Livestock Production I	2
Total Credits		**16**

SEMESTER 3

Course Code	**Course Title**	**Credits**
AGRI 0113	Introduction to Farm Equipment and Buildings	3
AGRI 0114	Farm Practice I	4
Total Credits		**7**

YEAR 2
SEMESTER 1

Course Code	**Course Title**	**Credits**
AGRI 0201	Agricultural Economics I	3
AGRI 0202	Sociology of Agriculture	3
AGRI 0203	Crop Production II	3
AGRI 0204	Introduction to Crop and Livestock Health and Food Safety	3
AGRI 0205	Farm Practice II	3
Total Credits		15

SEMESTER 2

Course Code	**Course Title**	**Credits**
AGRI 0206	Introduction to Post-Production Technology	2
AGRI 0207	Tropical Aquaculture	2
AGRI 0208	Livestock Production II	3
AGRI 0209	Agricultural Economics II	3
AGRI 0210	Farm Practice III	3
Total Credits		**13**

PROGRAMME TOTAL	**66**

Note: AGRI 0201 is Introduction to Microeconomics and AGRI 0209 is Macroeconomics Fundamentals for Caribbean Agriculture.

5. COURSE EXEMPTIONS

Students may be granted exemption with or without credit for up to fifteen credits of UDA courses upon presentation of the relevant supporting documentations from an institution recognized by the UWI. Requests for exemption/credit should be made as part of an application for admission to the UDA. Exemption/credit will normally be determined on a case-by-case basis taking into consideration the grades attained and the length of time since they were obtained.

6. REGISTRATION

(a) New students are admitted to the UDA only during the beginning of each academic year.
(b) A student must register for courses at the beginning of each SEMESTER WITHIN THE PRESCRIBED PERIODS, precise information about which can be obtained from the UWI website and/or notice boards.
(c) A student's registration is deemed complete only when he/she has been granted financial clearance by the University.

(d) Students may normally register for the maximum number of credits as determined by the programme for each semester. If a student wishes to register for additional courses, then he/she should apply for permission to do so during registration.
(e) A student who has recorded a pass in a course will not be permitted to re-register for that course.
(f) Registration for a course constitutes registration for the associated examination.

7. PROGRESS THROUGH THE PROGRAMME

(a) Academic standing of every student will be determined on the basis of cumulative grade point average (CGPA).
(b) A student must normally maintain a CGPA of 2.0 to progress through the programme.
(c) Any student whose CGPA falls below 2.0 at the end of any semester would normally be required to withdraw from the programme for a year.

8. EXAMINATION

(a) In order to pass a course, a candidate must have a satisfactory attendance record (i.e. a minimum of 90% attendance) for both classes and all allied activities, and must have satisfied the examiners in the associated examinations.
(b) Assessment in each course could involve a combination of methods, and assessment details on each course are given in the outline of each course.
(c) End of semester written examinations for each course will be of two (2) hours duration.
(d) In order to satisfy the examiners, candidates must obtain a minimum mark of 50% in each course.
(e) Any student who, having registered for a course, fails to take the examination on that course shall be deemed to have failed the examination unless:
(f) Prior approval was given for the student to drop the course by the relevant authority or;
(g) The student could not attend because of illness or other grave cause. In the case of illness, a medical certificate must be submitted to the Examination's Section of the Registry within 7days after the specific examination.
(h) A student who fails one or more courses while maintaining a CGPA of 2.0 will be granted permission to sit supplementary examinations in the failed courses during the July/August period provided that the total number of failed credits is no more than six (6).
(i) Students taking written examinations shall be subject to the University Examination Regulations for First Degrees, Diplomas and Certificates save that the functions assigned to the Campus Committee on Examinations shall be performed by the Senior Assistant Registrar, Examinations or his/her nominee.

9. GENERAL REQUIREMENTS FOR THE AWARD OF THE UNDERGRADUATE DIPLOMA

In order to be eligible for the award of the undergraduate diploma in agriculture, candidates must have:
(a) been in satisfactory attendance normally for a period equivalent to four (4) semesters of full-time study from entry at Year I;
(b) obtained passes in all prescribed courses amounting to 66 credits; and
(c) maintained a minimum CGPA of 2.0

10. TIME LIMITS FOR COMPLETION AND ENFORCED WITHDRAWALS

(a) The time period allowed for completion of the UDA for full-time students shall normally be a minimum of two (2) and a maximum of three (3) academic years.
(b) Students who fail to complete the UDA by the end of the third academic year will normally be required to withdraw from the programme subject to 10 (c) below.
(c) Students who fail to complete the requirements within the prescribed maximum period but need no more than nine (9) credits to graduate may apply for an extension of time. Such cases will be considered on case-by-case basis.
(d) For the purposes of Regulations 10 (a) to 10 (c) above, any semester for which a student has been granted Leave of Absence from the UDA shall not be counted.
(e) A student who was required to withdraw from the UDA MUST REAPPLY FOR ENTRY THROUGH THE NORMAL PROCEDURE IN ACCORDANCE WITH THE UWI SCHEDULE FOR APPLICATION TO ENROL IN ITS PROGRAMMES.
(f) A student who was required to withdraw and was re-admitted and then required to withdraw for a second time, will not normally be considered for re-admission again until a minimum period of five years has elapsed. Such students will be treated as first time applicants if they apply for re-admission.

11. LEAVE OF ABSENCE AND VOLUNTARY WITHDRAWALS

(a) A student who wishes to be absent from the UDA for a semester or more must apply for Leave of Absence.
(b) Leave of Absence will not be granted for more than two (2) consecutive semesters in the first instance. However, students may apply for an extension of leave.
(c) Leave of Absence will not be granted for more than four (4) consecutive semesters.

(d) Applications for Leave of Absence should normally be submitted no later than the end of the change in registration period in the relevant semester.
(e) A student who does not register for any course during a semester without having obtained Leave of Absence will be deemed to have dropped out from the UDA and will have to re-apply for entry into the programme if he/she so desires.
(f) A student who drops out or voluntarily withdraws from the University and then applies for re-admission within five (5) years shall be granted exemption and credit for all courses previously passed unless the Department concerned declares that the material covered in a course has become outdated. All grades previously obtained except those for courses declared outdated shall be part of the student's academic record.

12. GPA AND AWARD OF DIPLOMA

(a) A CGPA based on all courses completed for which grades have been obtained (except those taken on a Pass/Fail basis) will be determined and forms part of the academic record of a student.
(b) In the determination of the CGPA, all failed courses are included treating each repeat as a separate and independent contribution for this purpose.
(c) Students who successfully complete the programme will be awarded the diploma and those who perform exceptionally well will be awarded the diploma with distinction.

13. GRADING SCHEME

The Grading Scheme used in the FFA is adapted for the UDA as follows:

MARK	GRADE	QUALITY POINTS
90-100	A+	4.3
80-89	A	4.0
75-79	A-	3.7
70-74	B+	3.3
65-69	B	3.0
60-64	B-	2.7
55-59	C+	2.3
50-54	C	2.0
40-49	F1	1.7
30-39	F2	1.3
0-29	F3	0.0

14. AWARD OF DIPLOMA

A student who completes the programme with a CGPA of 3.7 or above will be awarded the Diploma with Distinction.

COURSE DESCRIPTIONS - UNDERGRADUATE DIPLOMA IN AGRICULTURE

YEAR: 1
SEMESTER: 1
COURSE CODE: AGRI 0101
COURSE TITLE: AGRICULTURE, FOOD AND THE ENVIRONMENT
NUMBER OF CREDITS: 3
PRE-REQUISITES: NONE
COURSE CONTENT: Agriculture and development; Caribbean Agriculture: its history and transition; system and its economy; Agriculture, food and nutrition; food security, global and regional issues; agricultural technologies and the environment, human health and sustainable agriculture.
ASSESSMENT:
Coursework 80%
Final Examination 20%

YEAR: 1
SEMESTER: 1
COURSE CODE: AGRI 0102
COURSE TITLE: AGRICULTURAL PHYSICS
NUMBER OF CREDITS: 2
PRE-REQUISITES: NONE
COURSE CONTENT: Atmosphere: physics of gases, water vapour in the atmosphere, variation of pressure, density, vapour pressure in the atmosphere with altitude.
Heat and mass transfer: transfer of momentum, heat and mass at boundary layers between the atmosphere and various surfaces, resistances to momentum, conservation – free and forced, conduction with application to heat flow in soils.
Introduction to soil physics: energy balance concept, energy balance in soils, moisture content, soil densities, soil water potential, soil moisture characteristics, hydraulic conductivity, thermal conductivity, soil aeration.
ASSESSMENT:
Coursework 60%
Final Examination 40%

YEAR: 1
SEMESTER: 1
COURSE CODE: AGRI 0103
COURSE TITLE: AGRICULTURAL CHEMISTRY
NUMBER OF CREDITS: 3
PRE-REQUISITES: NONE
COURSE CONTENT: Introduction; weights, measures and measurement system; atoms and the periodic table; ionic compounds; mass and moles; chemical reactions; solutions and concentration; acids, bases, and pH and buffer systems; covalent bonds and functional groups; saturated hydrocarbons; unsaturated hydrocarbons; oxygen containing organics; nitrogen containing organics; applications of chemistry to agriculture.
ASSESSMENT:
Coursework 85%
Final Examination 15%

YEAR: 1
SEMESTER: 1
COURSE CODE: AGRI 0104
COURSE TITLE: AGRICULTURAL BIOLOGY I
NUMBER OF CREDITS: 3
PRE-REQUISITES: NONE
COURSE CONTENT:
Taxonomy of living organisms, the plant and animal kingdoms, higher plants and animals; cell structure, growth and division; growth in plants and animals; plant habit, morphology and anatomy of leaves, stems, roots, flowers and fruits of a range of crop species; animal morphology and anatomy of the skeletal, muscular, nervous, digestive, circulatory, respiratory, excretory, endocrinal and reproductive systems of a range of livestock species; introduction to genetics – basic concepts; genotype and phenotype; inheritance; development of livestock breeds and crop cultivars.
ASSESSMENT:
Coursework 80%
Final Examination 20%

YEAR: 1
SEMESTER: 1
COURSE CODE: AGRI 0105
COURSE TITLE: LANGUAGE AND COMMUNICATION
NUMBER OF CREDITS: 2
PRE-REQUISITES: NONE
COURSE CONTENT:
Basic concepts in communication; steps in effective written, oral and multimedia communication; reading skills; study skills; information literacy and research skill development; writing with purpose; exercises in critical thinking.
ASSESSMENT:
Coursework 100%

YEAR: 1
SEMESTER: 1
COURSE CODE: AGRI 0106
COURSE TITLE: COMPUTER AND INFORMATION LITERACY
NUMBER OF CREDITS: 2
PRE-REQUISITES: NONE
COURSE CONTENT: Hardware components and software categories and function; use of keyboard, mouse, find and start applications, manipulating Windows, edit documents, save files; page layout, formatting, table of contents, page numbering, using and creating templates, inserting tables and pictures; understanding cells, working with text, numbers and dates, basic formatting working with formulas, page layout options, charts and graphs and printing; slide preparation text, insertions (pictures, tables, graphs and graphs); slide transitions and a animations; presentation techniques; hardware and software required for Internet use; using a browser; understanding URLs; search strategies; evaluation of search results; saving information and pictures; email chat; using databases; classification of information in library systems; active reading; note taking; plagiarism; references.
ASSESSMENT:
Coursework 100%

YEAR: 1
SEMESTER: 2
COURSE CODE: AGRI 0107
COURSE TITLE: MATHEMATICS
NUMBER OF CREDITS: 3
PRE-REQUISITES: CSEC MATHEMATICS OR EQUIVALENT
COURSE CONTENT: Review of numbers and their operations, Matrices and Trigonometry; functions: Linear, quadratic, rational, exponential, logarithmic and trigonometric. Differential and Integral Calculus.
ASSESSMENT:
Coursework 60%
Final Examination 40%

YEAR: 1
SEMESTER: 2
COURSE CODE: AGRI 0108
COURSE TITLE: AGRICULTURAL BIOLOGY II
NUMBER OF CREDITS: 3
PRE-REQUISITES: AGRI 0104 - AGRICULTURAL BIOLOGY I
COURSE CONTENT: Growth and development- definitions, types of growth in plants and animals, measurement of growth; photosynthesis, translocation, assimilate partitioning and plant growth and development; water relations in cells and whole plants, water uptake, transpiration; nutrient uptake and function in plant growth and development; seedling germination, growth and development; digestion, respiration, circulation, muscle movement and growth in livestock animals; reproduction and lactation; growth regulators in plant and livestock; environmental factors – light, temperature, water, relative humidity, nutrients, air quality- affecting crop and livestock growth and development; introduction to ecology, ecosystems, agroecosystems.
ASSESSMENT:
Coursework 80%
Final Examination 20%

YEAR: 1
SEMESTER: 2
COURSE CODE: AGRI 0109
COURSE TITLE: AGRICULTURAL BIOCHEMISTRY
NUMBER OF CREDITS: 3
PRE-REQUISITES: AGRI 0103 - AGRICULTURAL CHEMISTRY AND AGRI 0104 - AGRICULTURAL BIOLOGY I
COURSE CONTENT:
The cell and subcellular organelles; chemistry of carbohydrates; amino acid & protein chemistry; lipids and membranes; nucleotides and nucleic acids; energy in the cell; enzymes; glycolysis; tricarboxylic acid (TCA) cycle.
ASSESSMENT:
Coursework 50%
Final Examination 50%

YEAR: 1
SEMESTER: 2
COURSE CODE: AGRI 0110
COURSE TITLE: INTRODUCTORY SOILS SCIENCE
NUMBER OF CREDITS: 3
PRE-REQUISITES: NONE
COURSE CONTENT:
Soil as a natural resource; roles soils play in the environment soil variability and distribution in the Caribbean; soil components and formation; soil physical properties - soil texture, structure and porosity, soil water and soil aeration and temperature; soil chemical properties - clay mineralogy, soil reaction, CEC, SOM; soil biological properties - soil organisms; soilless media and amended soils.
ASSESSMENT:
Coursework 80%
Final Examination 20%

YEAR: 1
SEMESTER: 2
COURSE CODE: AGRI 0111
COURSE TITLE: CROP PRODUCTION I
NUMBER OF CREDITS: 2
PRE-REQUISITES: AGRI 0104 - AGRICULTURAL BIOLOGY I
COURSE CONTENT: The crop concept – hunter-gathering system, domestication, yield and crop production management; core concepts/elements in crop production management – definition and importance of land clearing, land preparation, cultivars, planting material, crop establishment, and plant population, water and nutrition management, crop protection, harvesting; influence of plant genotype and environmental factors on crop production management; introduction to tropical vegetable and grain crops – food value and types based on edible organs; good agricultural practices (GAPS) for selected tropical vegetables (leafy, solanaceous, cucurbits, crucifers) and grain (cereals and legumes) crops – site selection, cultivar selection, planting material selection; establishment methods; spacing and arrangement; water management – drainage, irrigation, conservation; nutrition management (soil and issue analyses) – organic and inorganic nutrient sources, application rates, methods, timing; plant training; nutrient conservation; integrated pest management practices, harvesting, maturity, harvest method; transport; production systems – characteristics, types, advantages and disadvantages, monocultural and polycultural systems - field; protected; container systems; technologies for each practice – traditional and modern – advantages and disadvantages; application of technologies to systems.
ASSESSMENT:
Coursework 100%

YEAR: 1
SEMESTER: 2
COURSE CODE: AGRI 0112
COURSE TITLE: LIVESTOCK PRODUCTION I
NUMBER OF CREDITS: 2
PRE-REQUISITES: AGRI 0104 - AGRICULTURAL BIOLOGY I
COURSE CONTENT: Why non-ruminants?; management practices including breeds and breeding, feeding, health, housing, record keeping, and technology; harvesting and use of non-ruminant products.
ASSESSMENT:
Coursework 70%
Final Examination 30%

YEAR: 1
SEMESTER: 3
COURSE CODE: AGRI 0113
COURSE TITLE: INTRODUCTION TO FARM EQUIPMENT AND BUILDINGS
NUMBER OF CREDITS: 3
PRE-REQUISITES: AGRI 0102 - AGRICULTURAL PHYSICS
COURSE CONTENT: The farm tractor and farm power – construction of an engine, combustion engine, four stroke gasoline and diesel engines, two stroke engines; fuel, lubrication, cooling and transmission systems; power trains; hydraulic systems; tyres and tracks; tractor implements for land preparation; other equipment - seeding, fertilizer application, crop protection and harvesting; irrigation equipment and pumps; agricultural buildings and related engineering terminology e.g. stress, strain, tension and compression; building design and considerations – soil properties, elements of design and construction, types of loads; roofs, walls, floors drainage , ventilation, lighting; housing for poultry, pigs, dairy cattle, sheep and goats, rabbits.
ASSESSMENT:
Coursework 100%

YEAR: 1
SEMESTER: 3 (10 WEEKS)
COURSE CODE: AGRI 0114
COURSE TITLE: FARM PRACTICE I
NUMBER OF CREDITS: 4
PRE-REQUISITES: AGRI 0111 – CROP PRODUCTION I AND AGRI 0112 – LIVESTOCK PRODUCTION I
COURSE CONTENT: The University Field Station – location, functions, layout, infrastructure, operations, inputs and sources, products and markets, human resources; the Meteorology Station – equipment and function; interpretation of meteorological data; soil environment – soil physical conditions. Plant propagation – seedlings, cuttings, divisions, separations; the nursery – facilities and sanitation; media – types, preparation and management; crop establishment in the field and under protective cover; crop maintenance – irrigation, nutrition, crop protection; harvesting, transport, grading, cleaning, packaging, storage, sales; agricultural chemical and tool inventory. Livestock facilities maintenance – sanitation of pens, fence repair; livestock husbandry – feeding, watering, deworming; poultry processing; agricultural equipment and tools – use, safety issues, preventative maintenance and storage; sales - crop and livestock products. Basic first aid.
ASSESSMENT:
Coursework 100%

YEAR: 2
SEMESTER: 1
COURSE CODE: AGRI 0201
COURSE TITLE: AGRICULTURAL ECONOMICS I
NUMBER OF CREDITS: 3
PRE-REQUISITES: NONE
COURSE CONTENT: General overview; using quantitative tools in economics; introduction to how markets function; theories of consumer behaviour; introduction to the theory of production; how markets function under perfect competition; an introduction to monopoly.
ASSESSMENT:
Coursework 40%
Final Examination 60%

YEAR: 2
SEMESTER: 1
COURSE CODE: AGRI 0202
COURSE TITLE: SOCIOLOGY OF AGRICULTURE
NUMBER OF CREDITS: 3
PRE-REQUISITES: NONE
COURSE CONTENT:
Introduction to important concepts: sociology and rural sociology; importance of rural sociology in agricultural extension and their interrelationship; characteristics of West Indian, rural society - differences and relationships between rural and urban societies; social groups and farmers' groups and associations; social stratification; culture and different cultural concepts and their role in agricultural extension; social values, social control and attitudes types and their role in agricultural extension; educational psychology, motivation and principles of learning.
ASSESSMENT:
Coursework 40%
Final Examination 60%

YEAR: 2
SEMESTER: 1
COURSE CODE: AGRI 0203
COURSE TITLE: CROP PRODUCTION II
NUMBER OF CREDITS: 3
PRE-REQUISITES: AGRI 0111- CROP PRODUCTION I
COURSE CONTENT: Introduction to root and tuber crops (sweet potato, cassava, yam, dasheen), banana and plantain and perennial crops (breadfruit and chataigne, cocoa, citrus, mango; indigenous fruits) – food value; methods of utilization; market specifications for different uses; influence of plant biology and environmental factors on crop production management; good agricultural practices for selected root and tuber crops, banana and plantain, and perennial crops; production systems and technologies; utilisation.
ASSESSMENT:
Coursework 100%

YEAR: 2
SEMESTER: 1
COURSE CODE: AGRI 0204
COURSE TITLE: INTRODUCTION TO CROP AND LIVESTOCK HEALTH AND FOOD SAFETY
NUMBER OF CREDITS: 3
PRE-REQUISITES: AGRI 0111 – CROP PRODUCTION I AND AGRI 0112 – LIVESTOCK PRODUCTION I
COURSE CONTENT: Prokaryotic and eukaryotic cells, structure and function of prokaryotic cells; types of microorganisms – bacteria, fungi, viruses; microscopy and specimen preparation; identification of microorganisms, methods for microbiological examination – isolation and cultivation; microbial growth – factors influencing growth; Food-borne diseases, control of microorganisms; crop pests – weeds –definition, losses due to weeds, weed biology- growth development and ecological concepts, competition and allelopathy, weed identification, principles and methods of weed management; crop disease – symptoms, disease agents – attack and defence mechanisms, epidemiology, principles of plant disease control; symptoms of insect and mite damage, biology of insect pests; principles of insect and mite pests management; Integrated Pest Management in crops; pesticides – formulations, selectivity, uses, and application, toxicology and safety; livestock health - losses caused by diseases, causes of disease, body defences and immunity, symptoms and diagnosis of disease; clinical examination; disease prevention and control for selected major livestock diseases; principles of drug treatment and administration.
ASSESSMENT:
Coursework 70%
Final Examination 30%

YEAR: 2
SEMESTER: 1
COURSE CODE: AGRI 0205
COURSE TITLE: FARM PRACTICE II
NUMBER OF CREDITS: 3
PRE-REQUISITES: AGRI 0114 - FARM PRACTICE I
COURSE CONTENT: The Meteorology Station - interpretation of meteorological data; soil environment – soil physical and chemical conditions; plant propagation – seedlings, cuttings, divisions, separations; the nursery – facilities and sanitation; media – types, preparation and management; crop establishment in the field and under protective cover; crop maintenance – irrigation, nutrition, crop protection; harvesting, transport, grading, cleaning, packaging, storage, sales; agricultural chemical and tool inventory; agricultural equipment and tools – use, safety issues, preventative maintenance and storage; sales - crop products; prepare a meal based on farm products (Note: the content will vary depending on the nature of the enterprise selected).
ASSESSMENT:
Coursework 100%

YEAR: 2
SEMESTER: 2
COURSE CODE: AGRI 0206
COURSE TITLE: INTRODUCTION TO POST-PRODUCTION TECHNOLOGY
NUMBER OF CREDITS: 2
PRE-REQUISITES: AGRI 0203 – CROP PRODUCTION II
COURSE CONTENT:
Basic principles for preserving crop and livestock products; basic principles and techniques for transformation of farm products; stages in the handling chain.
ASSESSMENT:
Coursework 100%

YEAR: 2
SEMESTER: 2
COURSE CODE: AGRI 0207
COURSE TITLE: TROPICAL AQUACULTURE
NUMBER OF CREDITS: 2
PRE-REQUISITES: AGRI 0104 - AGRICULTURAL BIOLOGY I AND AGRI 0108 - AGRICULTURAL BIOLOGY II
COURSE CONTENT: History, status and future of aquaculture; hatchery design and operation; farm and pond design and operation; water quality management; intensive systems; fish feed technology; fish diseases and control; biology and culture of selected species of finfish, shell fish, sea weed and aquatic reptiles; polyculture and integrated aquaculture; the ornamental fish trade; environmental aspects of aquaculture.
ASSESSMENT:
Coursework 70%
Final Examination 30%

YEAR: 2
SEMESTER: 2
COURSE CODE: AGRI 0208
COURSE TITLE: LIVESTOCK PRODUCTION II
NUMBER OF CREDITS: 3
PRE-REQUISITES: AGRI 0112 – LIVESTOCK PRODUCTION I
COURSE CONTENT: Structure of the ruminant industry in CARICOM; physiology of ruminants; management practices including breeds and breeding, nutrition and feeding, heath and disease prevention and control, housing and waste management, record keeping; planning new enterprises and use of new technologies.
ASSESSMENT:

Coursework	40%
Final Examination	60%

YEAR: 2
SEMESTER: 2
COURSE CODE: AGRI 0209
COURSE TITLE: AGRICULTURAL ECONOMICS II
NUMBER OF CREDITS: 3
PRE-REQUISITES: NONE
COURSE CONTENT: Overview of macroeconomics; national income accounting; economic growth versus economic development; economy wide stability; unemployment; inflation; fiscal policy; monetary policy; exchange rates and balance of payments.
ASSESSMENT:

Coursework	40%
Final Examination	60%

YEAR: 2
SEMESTER: 2
COURSE CODE: AGRI 0210
COURSE TITLE: FARM PRACTICE III
NUMBER OF CREDITS: 3
PRE-REQUISITES: AGRI 0114 - FARM PRACTICE I AND AGRI 0205- FARM PRACTICE II
COURSE CONTENT: The Meteorology Station - interpretation of meteorological data; soil environment – soil physical and chemical conditions; livestock facilities maintenance – sanitation of pens, fence repair; livestock husbandry – feeding, watering, deworming, milking; milk and poultry processing; agricultural equipment and tools – use, safety issues, preventative maintenance and storage; sales - livestock products; prepare a meal based on farm products (Note: The content will vary depending on the nature of the enterprise selected).
ASSESSMENT:

Coursework	100%

UWI CERTIFICATE IN AGRICULTURE (UCA)

Throughout the Caribbean, greater emphasis is being given to sustainable agricultural development to achieve food and nutrition security at the national and the regional levels as well as for effecting transformation of rural communities. The University of the West Indies (UWI), as the institution vested by CARICOM with the responsibility for human resource development to drive the region's food and nutrition security initiatives, is committed to the training of graduates in food and tropical agriculture with expertise in various sub-disciplines, in sufficient numbers and with qualifications at different levels. To better serve the region, the UWI has taken steps to strengthen the institutional framework for agricultural education by establishing the Faculty of Food and Agriculture (FFA) in St Augustine effective August 1, 2012.

Not only is a recognition of the multi-dimensional nature of agriculture critical for transformation of this sector in the region in the 21st century, but additionally availability of adequate numbers of appropriately trained human resources at all levels within the sector is crucial.[1] Therefore, the development of a sustainable strategy to increase the number of new admissions, particularly to the agricultural science and technology programmes in the FFA, is an essential step for the UWI to fulfil its mandate of producing graduates with specialised knowledge, diverse and relevant skills sets and competencies at different levels to drive the region's food and nutritional security and rural transformation efforts. A key element of this strategy is the diversification of the sources of recruitment of prospective students, which targets those interested in pursuit of agricultural education. **As an essential first step in this direction, the re-establishment of the Pre-agriculture programme was identified and adopted in 2011 as part of a set of recommendations which included the establishment of the FFA.**

Thus, a one-year Pre-Agriculture Certificate Programme is designed to fulfil the matriculation requirements for admission to year one of the BSc Agriculture (Special) programme. This Certificate is expected to boost enrolment in the undergraduate level in the short term and graduate level in the long term.

GRADUATE CAREER PATHS

This certificate programme is designed to equip graduates with the necessary competencies, skill sets and knowledge to:

- become modern-day farmers and agricultural entrepreneurs (e.g. Horticulturists, aquaculturist, etc.)
- become specialists in agricultural technologies
- commence a career in the agriculture sector as entry level technical or support personnel
- become agricultural extension agents
- pursue degree level training in agricultural science and technology-oriented programmes
- serve as teachers of agriculture at the primary school level

ACADEMIC QUALITY ASSURANCE

Diverse approaches will be employed for quality assurance purposes of the UWI certificate programme. Periodic internal and external review of the programme will be employed in accordance with existing UWI practice. Members of FFA academic staff will serve as examiners in relevant courses. Internal evaluation of the programme will take into account inputs from stakeholders.

PROGRAMME CONTENT

The curriculum is designed to facilitate integration of knowledge, competencies and skills development across the curriculum to reflect the multi-disciplinary nature of agriculture. The programme incorporates information technology and communication skills in a curriculum, which integrates the competencies of the agricultural and other support sciences, including the social sciences, with agricultural technology. This approach is adopted on the one hand to strengthen the science and communication content of the curriculum while maintaining a sound practical agricultural base and social science orientation of the programme on the other.

PROGRAMME OF STUDY

The programme of study for the Undergraduate Certificate in Agriculture offered in the FFA is outlined in **Table 1**.

PERIOD OF STUDY

The period of study for the Certificate in Agriculture shall normally be one (1) year of full-time study.

COURSE DELIVERY MODES

The training for this Certificate requires mastery of a range of skills and competencies, and knowledge pertinent to the level, therefore, various relevant delivery modes suitably adapted for each course will be used to ensure the achievement of the curricular goals. The delivery modes would include lectures supported by active learning strategies such as tutorials,

[1]Chelston W. D. Brathwaite, *Food Security in the Americas: The Need for a New Development Model* (San José, Costa Rica, 2009), 21.

projects, field and laboratory-based practicals and field visits. Specially designed courses will be offered at the University Field Station to ensure that the graduates are well-grounded in the practical aspects of food and agriculture from the farm to the table. Course assessments are designed to match the requirements of each course. These include but are not limited to in-term and final exams, which may comprise MCQ, short answer and essay type questions; written reports associated with practical activities such as laboratory exercises and field trips; and individual and group research projects combined with oral presentations and seminars. Further details of these assessments are provided in the respective course outlines **(Appendix 1).**

AWARD OF THE CERTIFICATE
The Certificate in Agriculture will be awarded on successful completion of 32 credits. In order to qualify for this award, students must have passed all the required courses and attained a cumulative grade point average (GPA) of at least two (2.0).

PROGRAMME COORDINATION
The Department of Food Production will coordinate the UCA.

REGULATIONS FOR THE CERTIFICATE IN AGRICULTURE (UCA)

1. PREFACE

The Undergraduate Certificate in Agriculture is a one-year full time programme which targets holders of a CSEC certificate interested in Certificate level training in agriculture as a means of matriculating to degree programmes in Agriculture or a career at the technical level in the food and agriculture sector chain. In addition to regulations governing its administration, the UCA is subject to both University and FFA regulations.

2. QUALIFICATIONS FOR ADMISSION TO THE CERTIFICATE

In order to be admitted into Undergraduate Certificate in Agriculture programme candidates must:

- Passes in a minimum of five (5) GCE O' Level or CSEC (CXC) General Proficiency Level examination at Grades I, II or, since 1998, Grade III, including English Language and Mathematics and must have at least one science subject which may include Agricultural Science, Biology, Chemistry, Geography, Integrated Science or Physics.
- Candidates who do not have at least 1 science subject but have relevant practical experience in agriculture will also be considered.

ENGLISH LANGUAGE: Candidates who do not possess a pass in CSEC English A at Grades I, II or since 1998, Grade III, a Grade A in GCE O' Level/BGCSE English Language, would be required to pass the English Language Proficiency Test offered by the Faculty of Humanities and Education.

MATHEMATICS: Candidates who do not possess a pass in CSEC Mathematics at Grades I, II or since 1998, Grade III, a Grade A in GCE O' Level/BGCSE Mathematics, would be required to pass the Course IYMS 1001/ MATH 0103: Improving Your Math Skills offered at Open Campus.

Students will be allowed to repeat their qualifying semester but must attain the minimum requirements of passes in ELPT or IYMS 1001/ MATH 0103: Improving your Math Skills before entry into the Certificate.

3. OUTLINE OF THE CERTIFICATE PROGRAMME

Students admitted to the Certificate programme are expected to complete 32 credits over a one year period. The structure of the programme is given below:

YEAR 1
Semester 1

Course Code	Course Title	Credits
AGRI 0101	Agriculture, Food and the Environment	3
AGRI 0102	Agricultural Physics	2
AGRI 0103	Agricultural Chemistry	3
AGRI 0104	Agricultural Biology I	3
AGRI 0105	Language and Communication	2
AGRI 0106	Computer and Information Literacy	2
Total Credits		**15**

SEMESTER 2

Course Code	Course Title	Credits
AGRI 0108	Agricultural Biology II	3
AGRI 0109	Agricultural Biochemistry	3
AGRI 0110	Introductory Soils Science	3
AGRI 0111	Crop Production I	2
AGRI 0112	Livestock Production I	2
Total Credits		**16**

SEMESTER 3

Course Code	Course Title	Credits
AGRI 0114	Farm Practice I	4
Total Credits		**4**

PROGRAMME TOTAL **32**

5. *REGISTRATION*

(a) New students are admitted to the Certificate only during the beginning of each academic year.
(b) A student must register for courses at the beginning of each SEMESTER WITHIN THE PRESCRIBED PERIODS, precise information about which can be obtained from the UWI website and/or notice boards.
(c) A student's registration is deemed complete only when he/she has been granted financial clearance by the University.
(d) Students may normally register for the maximum number of credits as determined by the programme for each semester. If a student wishes to register for additional courses, then he/she should apply for permission to do so during registration.
(e) A student who has recorded a pass in a course will not be permitted to re-register for that course.
(f) Registration for a course constitutes registration for the associated examination.

6. *PROGRESS THROUGH THE PROGRAMME*

(a) Academic standing of every student will be determined on the basis of cumulative grade point average (CGPA).
(b) A student must normally maintain a CGPA of 2.0 to progress through the programme.
(c) Any student whose CGPA falls below 2.0 at the end of any semester would normally be required to withdraw from the programme for a year.

8. *EXAMINATION*

(a) In order to pass a course, a candidate must have a satisfactory attendance record (i.e. a minimum of 90% attendance) for both classes and all allied activities, and must have satisfied the examiners in the associated examinations.
(b) Assessment in each course could involve a combination of methods, and assessment details on each course are given in the outline of each course.
(c) End of semester written examinations for each course will be of two (2) hours duration.
(d) In order to satisfy the examiners, candidates must obtain a minimum mark of 50% in each course.
(e) Any student who, having registered for a course, fails to take the examination on that course shall be deemed to have failed the examination unless:
    (i) Prior approval was given for the student to drop the course by the relevant authority or;
    (ii) The student could not attend because of illness or other grave cause. In the case of illness, a medical certificate must be submitted to the Examination's Section of the Registry within 7days after the specific examination.
(f) A student who fails one or more courses while maintaining a CGPA of 2.0 will be granted permission to sit supplementary examinations in the failed courses during the July/August period provided that the total number of failed credits is no more than six (6).
(g) Students taking written examinations shall be subject to the University Examination Regulations for First Degrees, Diplomas and Certificates save that the functions assigned to the Campus Committee on Examinations shall be performed by the Senior Assistant Registrar, Examinations or his/her nominee.

9. *GENERAL REQUIREMENTS FOR THE AWARD OF THE CERTIFICATE*

In order to be eligible for the award of the certificate in agriculture, candidates must have:
(a) been in satisfactory attendance normally for a period equivalent to three (3) semesters of full-time study
(b) obtained passes in all prescribed courses amounting to 32 credits; and
(c) maintained a minimum CGPA of 2.0

10. TIME LIMITS FOR COMPLETION AND ENFORCED WITHDRAWALS

(a) The time period allowed for completion of the Certificate for full-time students shall normally be a minimum of two (2) and a maximum of three (3) academic years.
(b) Students who fail to complete the Certificate by the end of the second academic year will normally be required to withdraw from the programme subject to 10 (c) below.
(c) Students who fail to complete the requirements within the prescribed maximum period but need no more than nine (9) credits to graduate may apply for an extension of time. Such cases will be considered on case-by-case basis.
(d) For the purposes of Regulations 10 (a) to 10 (c) above, any semester for which a student has been granted Leave of Absence from the Certificate shall not be counted.
(e) A student who was required to withdraw from the CERTIFICATE MUST REAPPLY FOR ENTRY THROUGH THE NORMAL PROCEDURE IN ACCORDANCE WITH THE UWI SCHEDULE FOR APPLICATION TO ENROL IN ITS
(f) A student who was required to withdraw and was re-admitted and then required to withdraw for a second time, will not normally be considered for re-admission again until a minimum period of five years has elapsed. Such students will be treated as first time applicants if they apply for re-admission.

11. LEAVE OF ABSENCE AND VOLUNTARY WITHDRAWALS

(a) A student who wishes to be absent from the Certificate a semester or more must apply for Leave of Absence.
(b) Leave of Absence will not be granted for more than two (2) consecutive semesters in the first instance. However, students may apply for an extension of leave.
(c) Leave of Absence will not be granted for more than four (4) consecutive semesters.
(d) Applications for Leave of Absence should normally be submitted no later than the end of the change in registration period in the relevant semester.
(e) A student who does not register for any course during a semester without having obtained Leave of Absence will be deemed to have dropped out from the UCA and will have to re-apply for entry into the programme if he/she so desires.
(f) A student who drops out or voluntarily withdraws from the University and then applies for re-admission within five (5) years shall be granted exemption and credit for all courses previously passed unless the Department concerned declares that the material covered in a course has become outdated. All grades previously obtained except those for courses declared outdated shall be part of the student's academic record.

12. GPA AND AWARD OF CERTIFICATE

(a) A CGPA based on all courses completed for which grades have been obtained (except those taken on a Pass/Fail basis) will be determined and forms part of the academic record of a student.
(b) In the determination of the CGPA, all failed courses are included treating each repeat as a separate and independent contribution for this purpose.
(c) Students who successfully complete the programme will be awarded the certificate and those who perform exceptionally well will be awarded with distinction.

13. GRADING SCHEME

The Grading Scheme used in the FFA is adapted for the UCA as follows:

MARK	GRADE	QUALITY POINTS
90-100	A+	4.3
80-89	A	4.0
75-79	A-	3.7
70-74	B+	3.3
65-69	B	3.0
60-64	B-	2.7
55-59	C+	2.3
50-54	C	2.0
40-49	F1	1.7
30-39	F2	1.3
0-29	F3	0.0

14. AWARD OF CERTIFICATE

A student who completes the programme with a CGPA of 3.7 or above will be awarded the Certificate with Distinction.

MATRICULATION AND ADMISSION LEVELS TO BSc PROGRAMMES IN FFA

The graduates of the Certificate in Agriculture will meet the matriculation requirements for admission to specific BSc programmes in the FFA.

ENTRY REQUIREMENTS

In order to be admitted into Undergraduate Certificate in Agriculture programme candidates must:

- Satisfy the lower level matriculation requirements of the University of the West Indies (UWI) of five (5) GCE O' Level or CSEC subjects, including English Language and Mathematics, and have at least one science subject, which may include Agricultural Science (both the single and double awards count as one subject), Biology, Chemistry, Geography, Integrated Science, Environmental Science or Physics.

- Candidates who do not have at least one science subject but have relevant practical experience in agriculture will also be considered.

UWI CERTIFICATE IN ENVIRONMENTAL GEOGRAPHY

The Certificate in Environmental Geography is a one-year programme of study encompassing aspects of physical, human, and environmental geography. These topics comprise the breadth of the Geography and Environment and Natural Resource Management (ENRM) degree majors within the Department of Geography. The Certificate also introduces current approaches to geographical thinking, spatial analysis, and interpreting the built and natural environment as well as underlying processes. This Certificate is built around the concepts of sustainable development and natural resources management in small-island developing states (SIDS) and it supports these concepts through topics and coursework that apply relevant and transferable knowledge and skills to the benefit of society and the world of work. The Certificate is a good foundation in geographical theory and techniques. It paves the path for anyone interested in portfolios, or careers, related to the impacts of humans on the natural and built environment, as well as the environmental impacts on people and places. On successful completion, the Certificate qualifies all candidates for direct entry to the Degree programs in the Department of Geography, which offer a higher level of understanding, more hands-on experience in the field, and advanced theoretical and applied knowledge.

The Certificate in Environmental Geography introduces theories and practices of Geography and Environmental and Sustainable Development. The Certificate fuses the Caribbean region to the wider global context on key issues such as climate change, natural hazards, economic development, and social justice. The Certificate offers fundamental training to prepare students for advanced topics in Geography and the Environment within the Department of Geography. Delivered in the evening, this programme caters for the working population, which is also reflected in the entry requirement to include persons with relevant work experience

GRADUATE CAREER PATHS

Spatial literacy is an essential knowledge and skill area for environmental careers. The Certificate introduces candidates to spatial analyses in a variety of contexts, and also prepares candidates for geographical positions that require an understanding of the relationships between people and their environment. Candidates who aim to work in sustainable development, environmental management, and geographical education would benefit from this programme. Moreover, the Certificate allows all successful candidates to matriculate into the Degree of Geography and/or ENRM.

PROGRAMME OF STUDY

The programme of study for the Certificate in Environmental Geography is outlined in the table below.

REGULATIONS FOR THE CERTIFICATE IN ENVIRONMENTAL GEOGRAPHY

1. QUALIFICATIONS FOR ADMISSION TO THE CERTIFICATE

In order to be admitted into the certificate programme candidates must satisfy the lower level matriculation requirement of the University of the West Indies (UWI): passes in a minimum of five (5) GCE o'Level or CSEC (CXC) General Proficiency Level examination at Grades I, II or since 1998, Grade III, including English Language and Mathematics as well as any one (1) of the following:

- CSEC Geography
- Two science subjects, one of which must be Biology or Agricultural Science
- Minimum 5 years relevant work experience

2. OUTLINE OF THE CERTIFICATE PROGRAMME

Students admitted to the Certificate programme are expected to complete 24 credits over a one year period. The structure of the programme is given below:

YEAR 1
Semester 1

Course Code	Course Title	Credits
GEOG 0101	Natural Environments I: Geomorphology and Fluvial and Coastal Environments	3
GEOG 0102	Population and Settlement Patterns	3
GEOG 0103	Ecology and Natural Resource Conservation	3

GEOG 0104	Environmental Data Analysis	3
Total Credits		**12**

SEMESTER 2

Course Code	**Course Title**	**Credits**
GEOG 0201	Natural Environments II: Atmospheric processes, Vegetation, Natural Hazards and Human Vulnerability	3
GEOG 0202	Economic and Development Controversies	3
GEOG 0203	Land Use and Sustainability	3
GEOG 0204	Introduction to Spatial Data: Modelling and Analysis with GIS	3
Total Credits		**12**

PROGRAMME TOTAL **24**

3. REGISTRATION

(a) New students are admitted to the Certificate only during the beginning of each academic year.
(b) A student must register for courses at the beginning of each SEMESTER WITHIN THE PRESCRIBED PERIODS, precise information about which can be obtained from the UWI website and/or notice boards.
(c) A student's registration is deemed complete only when he/she has been granted financial clearance by the University.
(d) Students may normally register for the maximum number of credits as determined by the programme for each semester. If a student wishes to register for additional courses, then he/she should apply for permission to do so during registration.
(e) A student who has recorded a pass in a course will not be permitted to re-register for that course. Registration for a course constitutes registration for the associated examination.

4. PROGRESS THROUGH THE PROGRAMME

(a) Academic standing of every student will be determined on the basis of cumulative grade point average (CGPA).
(b) A student must normally maintain a CGPA of 2.0 to progress through the programme. Any student whose CGPA falls below 2.0 at the end of any semester would normally be required to withdraw from the programme for a year.

5. EXAMINATION

(a) In order to pass a course, a candidate must have a satisfactory attendance record (i.e. a minimum of 90% attendance) for both classes and all allied activities, and must have satisfied the examiners in the associated examinations.
(b) Assessment in each course could involve a combination of methods, and assessment details on each course are given in the outline of each course.
(c) End of semester written examinations for each course will be of two (2) hours duration.
(d) In order to satisfy the examiners, candidates must obtain a minimum mark of 50% in each course.
(e) Any student who, having registered for a course, fails to take the examination on that course shall be deemed to have failed the examination unless:
    (i) Prior approval was given for the student to drop the course by the relevant authority or;
    (ii) The student could not attend because of illness or other grave cause. In the case of illness, a medical certificate must be submitted to the Examination's Section of the Registry within 7days after the specific examination.
(f) A student who fails one or more courses while maintaining a CGPA of 2.0 will be granted permission to sit supplementary examinations in the failed courses during the July/August period provided that the total number of failed credits is no more than six (6).
(g) Students taking written examinations shall be subject to the University Examination Regulations for First Degrees, Diplomas and Certificates save that the functions assigned to the Campus Committee on Examinations shall be performed by the Senior Assistant Registrar, Examinations or his/her nominee.

6. GENERAL REQUIREMENTS FOR THE AWARD OF THE CERTIFICATE

In order to be eligible for the award of the certificate in agriculture, candidates must have:
(a) been in satisfactory attendance normally for a period equivalent to two (2) semesters of full-time study
(b) obtained passes in all prescribed courses amounting to 24 credits; and maintained a minimum CGPA of 2.0

7. TIME LIMITS FOR COMPLETION AND ENFORCED WITHDRAWALS

(a) The time period allowed for completion of the Certificate for full-time students shall normally be a minimum of two (1) and a maximum of three (2) academic years.
(b) Students who fail to complete the Certificate by the end of the second academic year will normally be required to withdraw from the programme subject to 10 (c) below.
(c) Students who fail to complete the requirements within the prescribed maximum period but need no more than nine (9) credits to graduate may apply for an extension of time. Such cases will be considered on case-by-case basis.
(d) For the purposes of Regulations 10 (a) to 10 (c) above, any semester for which a student has been granted Leave of Absence from the Certificate shall not be counted.
(e) A student who was required to withdraw from the CERTIFICATE MUST REAPPLY FOR ENTRY THROUGH THE NORMAL PROCEDURE IN ACCORDANCE WITH THE UWI SCHEDULE FOR APPLICATION TO ENROL IN ITS PROGRAMMES.
(f) A student who was required to withdraw and was re-admitted and then required to withdraw for a second time, will not normally be considered for re-admission again until a minimum period of five years has elapsed. Such students will be treated as first time applicants if they apply for re-admission.

8. LEAVE OF ABSENCE AND VOLUNTARY WITHDRAWALS

(a) A student who wishes to be absent from the Certificate a semester or more must apply for Leave of Absence.
(b) Leave of Absence will not be granted for more than two (2) consecutive semesters in the first instance. However, students may apply for an extension of leave.
(c) Leave of Absence will not be granted for more than four (4) consecutive semesters.
(d) Applications for Leave of Absence should normally be submitted no later than the end of the change in registration period in the relevant semester.
(e) A student who does not register for any course during a semester without having obtained Leave of Absence will be deemed to have dropped out from the programme and will have to re-apply for entry into the programme if he/she so desires.
(f) A student who drops out or voluntarily withdraws from the University and then applies for re-admission within five (5) years shall be granted exemption and credit for all courses previously passed unless the Department concerned declares that the material covered in a course has become outdated. All grades previously obtained except those for courses declared outdated shall be part of the student's academic record.

9. GPA AND AWARD OF CERTIFICATE

(a) A CGPA based on all courses completed for which grades have been obtained (except those taken on a Pass/Fail basis) will be determined and forms part of the academic record of a student.
(b) In the determination of the CGPA, all failed courses are included treating each repeat as a separate and independent contribution for this purpose.
(c) Students who successfully complete the programme will be awarded the certificate and those who perform exceptionally well will be awarded with distinction.

10. GRADING SCHEME

The Grading Scheme used in the FFA is adapted for the UCA as follows:

MARK	GRADE	QUALITY POINTS
90-100	A+	4.3
80-89	A	4.0
75-79	A-	3.7
70-74	B+	3.3
65-69	B	3.0
60-64	B-	2.7
55-59	C+	2.3
50-54	C	2.0
40-49	F1	1.7
30-39	F2	1.3
0-29	F3	0.0

11. AWARD OF CERTIFICATE

A student who completes the programme with a CGPA of 3.7 or above will be awarded the certificate with Distinction.

UWI CERTIFICATE IN HUMAN ECOLOGY

The World Health Organization recognises Nutrition as one of the five (5) pillars of public health. It doing so it recognises the importance of nutrition and its related discipline as crucial to life itself. This is important as the lifestyle diseases (obesity, diabetes mellitus, high blood pressure, cancer and cardiovascular diseases) are major causes of illness and death among adults. They are also responsible for over half of the visits to health care facilities regionally.

Food and Nutrition professionals are at the heart of the battle to reduce these endemic diseases. The Certificate in Human Ecology will provide core foundation training for matriculation for such degrees in nutrition and related fields.

GRADUATE CAREER PATHS

Graduates of BSc and Higher degrees in nutrition and dietetics, become teaches in related subjects at Secondary Schools, are involved in academia and research, and are also entrepreneurs.

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ACADEMIC QUALITY ASSURANCE

Diverse approaches will be employed for quality assurance purposes of the UWI certificate programme. Periodic internal and external review of the programme will be employed in accordance with existing UWI practice. Members of FFA academic staff will serve as examiners in relevant courses. Internal evaluation of the programme will take into account inputs from stakeholders.

PROGRAMME CONTENT

This certificate has been designed to improve the preparedness of students wishing to take degrees in Human Nutrition and Dietetics, Food Science, Food Service and Nutritional Sciences in the Faculty of Food and Agriculture.

PROGRAMME OF STUDY

The programme of study for the Undergraduate Certificate in Human Ecology offered in the FFA is outlined in **Table 1**.

PERIOD OF STUDY

The programme is designed to be completed in one academic year of full-time study or 2 years part-time study. The courses are scheduled as follows

COURSE DELIVERY MODES

The training for this Certificate requires mastery of a range of skills and competencies, and knowledge pertinent to the level, therefore, various relevant delivery modes suitably adapted for each course will be used to ensure the achievement of the curricular goals. The delivery modes would include lectures supported by active learning strategies such as tutorials, projects, field and laboratory-based practicals and field visits. Course assessments are designed to match the requirements of each course. These include but are not limited to in-term and final exams, which may comprise MCQ, short answer and essay type questions; written reports associated with practical activities such as laboratory exercises and field trips; and individual and group projects. Further details of these assessments are provided in the respective course outlines.

AWARD OF THE CERTIFICATE

The Certificate in Human Ecology will be awarded on successful completion of 30 credits. In order to qualify for this award, students must have passed all the required courses and attained a cumulative grade point average (GPA) of at least two (2.0).

PROGRAMME COORDINATION

The Department of Agricultural Economics and Extension will coordinate the Undergraduate Certificate in Human Ecology.

REGULATIONS FOR THE CERTIFICATE IN HUMAN ECOLOGY

1. PREFACE

The Undergraduate Certificate in Human Ecology is a one-year full time programme designed to improve the preparedness of students wishing to take degrees in Human Nutrition and Dietetics, Food Science, Food Service and Nutritional Sciences in the Faculty of Food and Agriculture.

2. QUALIFICATIONS FOR ADMISSION TO THE CERTIFICATE

In order to be admitted into Undergraduate Certificate in Human Ecology programme candidates must have:

- Passes in a minimum of five (5) subjects at CSEC (CXC) General Proficiency (Grades I-III) or GCE O-levels or their equivalent, which must include English Language, Mathematics, any two (2) of the following: Chemistry, Biology, Human and Social Biology, Integrated Sciences, Agricultural Sciences, Food and Nutrition and Health, Textiles, Clothing and Fashion, Physics, Geography, Environmental Sciences, Principles of Business Accounting, foreign language and Caribbean Vocational Qualification (CVQ) LEVEL 1 equivalent in technical vocation subjects.

ENGLISH LANGUAGE: Candidates who do not possess a pass in CSEC English A at Grades I, II or since 1998, Grade III, a Grade A in GCE O' Level/BGCSE English Language, would be required to pass the English Language Proficiency Test offered by the Faculty of Humanities and Education.

MATHEMATICS: Candidates who do not possess a pass in CSEC Mathematics at Grades I, II or since 1998, Grade III, a Grade A in GCE O' Level/BGCSE Mathematics, would be required to pass the Course IYMS 1001/ MATH 0103: Improving Your Math Skills offered at Open Campus.

Students will be allowed to repeat their qualifying semester but must attain the minimum requirements of passes in ELPT or IYMS 1001/ MATH 0103: Improving your Math Skills before entry into the Certificate.

3. OUTLINE OF THE CERTIFICATE PROGRAMME

The programme is designed to be completed in one (1) academic year of full-time study or two (2) years part-time study. The Certificate in Human Ecology programme comprises of 30 credits.

COURSE LISTING

CORE COURSES

YEAR 1

SEMESTER 1

Course Code	Course Title	Credits
ENTR 0101	Fundamentals of Entrepreneurship	3
HUEC 0101	Fundamentals of Food and Nutrition I	3
AGRI 0103	Agricultural Chemistry	3
AGRI 0104	Agricultural Biology I	3
HUEC 0103	Introduction to Human Anatomy and Physiology I	3
Total credits		**15**

SEMESTER 2

Course Code	Course Title	Credits
HUEC 0102	Fundamentals of Food and Nutrition II	3
HUEC 0104	Introduction to Human Anatomy and Physiology II	3
HUEC 0105	Food and Nutritional Chemistry	3
HUEC 0106	Introduction to Family and Consumer Sciences	3
AGRI 0107	Mathematics	3
Total credits		**15**

TOTAL PROGRAMME CREDITS	**30**

5. REGISTRATION

(a) New students are admitted to the Certificate only during the beginning of each academic year.
(b) A student must register for courses at the beginning of each SEMESTER WITHIN THE PRESCRIBED PERIODS, precise information about which can be obtained from the UWI website and/or notice boards.
(c) A student's registration is deemed complete only when he/she has been granted financial clearance by the University.
(d) Students may normally register for the maximum number of credits as determined by the programme for each semester. If a student wishes to register for additional courses, then he/she should apply for permission to do so during registration.
(e) A student who has recorded a pass in a course will not be permitted to re-register for that course.
(f) Registration for a course constitutes registration for the associated examination.

6. PROGRESS THROUGH THE PROGRAMME

(a) Academic standing of every student will be determined on the basis of cumulative grade point average (CGPA).
(b) A student must normally maintain a CGPA of 2.0 to progress through the programme.
(c) Any student whose CGPA falls below 2.0 at the end of any semester would normally be required to withdraw from the programme for a year.

8. EXAMINATION

(a) In order to pass a course, a candidate must have a satisfactory attendance record (i.e. a minimum of 90% attendance) for both classes and all allied activities, and must have satisfied the examiners in the associated examinations.
(b) Assessment in each course could involve a combination of methods, and assessment details on each course are given in the outline of each course.
(c) End of semester written examinations for each course will be of two (2) hours duration.
(d) In order to satisfy the examiners, candidates must obtain a minimum mark of 50% in each course.
(e) Any student who, having registered for a course, fails to take the examination on that course shall be deemed to have failed the examination unless:
    (i) Prior approval was given for the student to drop the course by the relevant authority or;
    (ii) The student could not attend because of illness or other grave cause. In the case of illness, a medical certificate must be submitted to the Examination's Section of the Registry within 7days after the specific examination.
(f) A student who fails one or more courses while maintaining a CGPA of 2.0 will be granted permission to sit supplementary examinations in the failed courses during the July/August period provided that the total number of failed credits is no more than six (6).
(g) Students taking written examinations shall be subject to the University Examination Regulations for First Degrees, Diplomas and Certificates save that the functions assigned to the Campus Committee on Examinations shall be performed by the Senior Assistant Registrar, Examinations or his/her nominee.

9. GENERAL REQUIREMENTS FOR THE AWARD OF THE CERTIFICATE

In order to be eligible for the award of the certificate in agriculture, candidates must have:
(a) been in satisfactory attendance normally for a period equivalent to three (3) semesters of full-time study
(b) obtained passes in all prescribed courses amounting to 30 credits; and
(c) maintained a minimum CGPA of 2.0

10. TIME LIMITS FOR COMPLETION AND ENFORCED WITHDRAWALS

(a) The time period allowed for completion of the Certificate for full-time students shall normally be a minimum of two (1) and a maximum of three (2) academic years.
(b) Students who fail to complete the Certificate by the end of the second academic year will normally be required to withdraw from the programme subject to 10 (c) below.
(c) Students who fail to complete the requirements within the prescribed maximum period but need no more than nine (9) credits to graduate may apply for an extension of time. Such cases will be considered on case-by-case basis.
(d) For the purposes of Regulations 10 (a) to 10 (c) above, any semester for which a student has been granted Leave of Absence from the Certificate shall not be counted.
(e) A student who was required to withdraw from the CERTIFICATE MUST REAPPLY FOR ENTRY THROUGH THE NORMAL PROCEDURE IN ACCORDANCE WITH THE UWI SCHEDULE FOR APPLICATION TO ENROL IN ITS PROGRAMMES.
(f) A student who was required to withdraw and was re-admitted and then required to withdraw for a second time, will not normally be considered for re-admission again until a minimum period of five years has elapsed. Such students will be treated as first time applicants if they apply for re-admission.

11. LEAVE OF ABSENCE AND VOLUNTARY WITHDRAWALS

(a) A student who wishes to be absent from the Certificate a semester or more must apply for Leave of Absence.
(b) Leave of Absence will not be granted for more than two (2) consecutive semesters in the first instance. However, students may apply for an extension of leave.
(c) Leave of Absence will not be granted for more than four (4) consecutive semesters.
(d) Applications for Leave of Absence should normally be submitted no later than the end of the change in registration period in the relevant semester.

(e) A student who does not register for any course during a semester without having obtained Leave of Absence will be deemed to have dropped out from the Undergraduate Certificate in Human Ecology and will have to re-apply for entry into the programme if he/she so desires.

(f) A student who drops out or voluntarily withdraws from the University and then applies for re-admission within five (5) years shall be granted exemption and credit for all courses previously passed unless the Department concerned declares that the material covered in a course has become outdated. All grades previously obtained except those for courses declared outdated shall be part of the student's academic record.

12. GPA AND AWARD OF CERTIFICATE

(a) A GPA based on all courses completed for which grades have been obtained (except those taken on a Pass/Fail basis) will be determined and forms part of the academic record of a student.

(b) In the determination of the CGPA, all failed courses are included treating each repeat as a separate and independent contribution for this purpose.

(c) Students who successfully complete the programme will be awarded the certificate and those who perform exceptionally well will be awarded with distinction.

13. GRADING SCHEME

The Grading Scheme used in the FFA is adapted for the Undergraduate Certificate in Human Ecology as follows:

MARK	GRADE	QUALITY POINTS
90-100	A+	4.3
80-89	A	4.0
75-79	A-	3.7
70-74	B+	3.3
65-69	B	3.0
60-64	B-	2.7
55-59	C+	2.3
50-54	C	2.0
40-49	F1	1.7
30-39	F2	1.3
0-29	F3	0.0

14. AWARD OF CERTIFICATE

A student who completes the programme with a CGPA of 3.7 or above will be awarded the Certificate with Distinction.

COURSE DESCRIPTIONS

CERTIFICATE IN AGRICULTURE

YEAR: 1
SEMESTER: 1
COURSE CODE: AGRI 0101
COURSE TITLE: AGRICULTURE, FOOD AND THE ENVIRONMENT
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
COURSE CONTENT: Agriculture and development; Caribbean Agriculture: its history and transition; system and its economy; Agriculture, food and nutrition; food security, global and regional issues; agricultural technologies and the environment, human health and sustainable agriculture.
ASSESSMENT:
Coursework 80%
Final Examination 20%

YEAR: 1
SEMESTER: 1
COURSE CODE: AGRI 0102
COURSE TITLE: AGRICULTURAL PHYSICS
NUMBER OF CREDITS: 2
PREREQUISITES: NONE
COURSE CONTENT: Atmosphere: physics of gases, water vapour in the atmosphere, variation of pressure, density, vapour pressure in the atmosphere with altitude. Heat and mass transfer: transfer of momentum, heat and mass at boundary layers between the atmosphere and various surfaces, resistances to momentum, conservation – free and forced, conduction with application to heat flow in soils. Introduction to soil physics: energy balance concept, energy balance in soils, moisture content, soil densities, soil water potential, soil moisture characteristics, hydraulic conductivity, thermal conductivity, soil aeration.
ASSESSMENT:
Coursework 60%
Final Examination 40%

YEAR: 1
SEMESTER: 1
COURSE CODE: AGRI 0103
COURSE TITLE: AGRICULTURAL CHEMISTRY
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
COURSE CONTENT: Introduction; weights, measures and measurement system; atoms and the periodic table; ionic compounds; mass and moles; chemical reactions; solutions and concentration; acids, bases, and pH and buffer systems; covalent bonds and functional groups; saturated hydrocarbons; unsaturated hydrocarbons; oxygen containing organics; nitrogen containing organics; applications of chemistry to agriculture.
ASSESSMENT:
Coursework 85%
Final Examination 15%

YEAR: 1
SEMESTER: 1
COURSE CODE: AGRI 0104
COURSE TITLE: AGRICULTURAL BIOLOGY I
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
COURSE CONTENT: Taxonomy of living organisms, the plant and animal kingdoms, higher plants and animals; cell structure, growth and division; growth in plants and animals; plant habit, morphology and anatomy of leaves, stems, roots, flowers and fruits of a range of crop species; animal morphology and anatomy of the skeletal, muscular, nervous, digestive, circulatory, respiratory, excretory, endocrinal and reproductive systems of a range of livestock species; introduction to genetics – basic concepts; genotype and phenotype; inheritance; development of livestock breeds and crop cultivars.
ASSESSMENT:
Coursework 80%
Final Examination 20%

YEAR: 1
SEMESTER: 1
COURSE CODE: AGRI 0105
COURSE TITLE: LANGUAGE AND COMMUNICATION
NUMBER OF CREDITS: 2
PREREQUISITES: NONE
COURSE CONTENT: Basic concepts in communication; steps in effective writing, oral and multimedia communication; reading skills; study skills; information literacy and research skill development; writing with purpose; exercises in critical thinking.
ASSESSMENT:
Coursework 100%

YEAR: 1
SEMESTER: 1
COURSE CODE: AGRI 0106
COURSE TITLE: COMPUTER AND INFORMATION LITERACY
NUMBER OF CREDITS: 2
PREREQUISITES: NONE
COURSE CONTENT: Hardware components and software categories and function; use of keyboard, mouse, find and start applications, manipulating Windows, edit documents, save files; page layout, formatting, table of contents, page numbering, using and creating templates, inserting tables and pictures; understanding cells, working with text, numbers and dates, basic formatting working with formulas, page layout options, charts and graphs and printing; slide preparation text, insertions (pictures, tables, graphs and graphs); slide transitions and a animations; presentation techniques; hardware and software required for Internet use; using a browser; understanding URLs; search strategies; evaluation of search results; saving information and pictures; email chat; using databases; classification of information in library systems; active reading; note taking; plagiarism; references.
ASSESSMENT:
Coursework 100%

YEAR: 1
SEMESTER: 2
COURSE CODE: AGRI 0108
COURSE TITLE: AGRICULTURAL BIOLOGY II
NUMBER OF CREDITS: 3
PREREQUISITES: AGRI 0104 - AGRICULTURAL BIOLOGY I
COURSE CONTENT: Growth and development- definitions, types of growth in plants and animals, measurement of growth; photosynthesis, translocation, assimilate partitioning and plant growth and development; water relations in cells and whole plants, water uptake, transpiration; nutrient uptake and function in plant growth and development; seedling germination, growth and development; digestion, respiration, circulation, muscle movement and growth in livestock animals; reproduction and lactation; growth regulators in plant and livestock; environmental factors – light, temperature, water, relative humidity, nutrients, air quality- affecting crop and livestock growth and development; introduction to ecology, ecosystems, agroecosystems.
ASSESSMENT:
Coursework 80%
Final Examination 20%

YEAR: 1
SEMESTER: 2
COURSE CODE: AGRI 0109
COURSE TITLE: AGRICULTURAL BIOCHEMISTRY
NUMBER OF CREDITS: 3
PREREQUISITES: AGRI 0103 - AGRICULTURAL CHEMISTRY AND AGRI 0104 - AGRICULTURAL BIOLOGY I
COURSE CONTENT: The cell and subcellular organelles; chemistry of carbohydrates; amino acid & protein chemistry; lipids and membranes; nucleotides and nucleic acids; energy in the cell; enzymes; glycolysis; tricarboxylic acid (TCA) cycle.
ASSESSMENT:
Coursework 50%
Final Examination 50%

YEAR: 1
SEMESTER: 2
COURSE CODE: AGRI 0110
COURSE TITLE: INTRODUCTORY SOIL SCIENCE
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
COURSE CONTENT: Soil as a natural resource; roles soils play in the environment; soil variability and distribution in the Caribbean; soil components and formation; soil physical properties - soil texture, structure and porosity, soil water and soil aeration and temperature; soil chemical properties - clay mineralogy, soil reaction, CEC, SOM; soil biological properties - soil organisms; soilless media and amended soils.
ASSESSMENT:
Coursework 80%
Final Examination 20%

YEAR: 1
SEMESTER: 2
COURSE CODE: AGRI 0111
COURSE TITLE: CROP PRODUCTION I
NUMBER OF CREDITS: 2
PREREQUISITES: AGRI 0104 - AGRICULTURAL BIOLOGY I
COURSE CONTENT: The crop concept – hunter-gathering system, domestication, yield and crop production management; core concepts/elements in crop production management – definition and importance of land clearing, land preparation, cultivars, planting material, crop establishment, and plant population, water and nutrition management, crop protection, harvesting; influence of plant genotype and environmental factors on crop production management; introduction to tropical vegetable and grain crops – food value and types based on edible organs; good agricultural practices (GAPS) for selected tropical vegetables (leafy, solanaceous, cucurbits, crucifers) and grain (cereals and legumes) crops – site selection, cultivar selection, planting material selection; establishment methods; spacing and arrangement; water management – drainage, irrigation, conservation; nutrition management (soil and issue analyses) – organic and inorganic nutrient sources, application rates, methods, timing; plant training; nutrient conservation; integrated pest management practices, harvesting, maturity, harvest method; transport; production systems – characteristics, types, advantages and disadvantages, monocultural and polycultural systems - field; protected; container systems; technologies for each practice – traditional and modern – advantages and disadvantages; application of technologies to systems.
ASSESSMENT:
Coursework 100%

YEAR: 1
SEMESTER: 2
COURSE CODE: AGRI 0112
COURSE TITLE: LIVESTOCK PRODUCTION I
NUMBER OF CREDITS: 2
PREREQUISITES: AGRI 0104 - AGRICULTURAL BIOLOGY I
COURSE CONTENT: Non-ruminants management practices including breeds and breeding, feeding, health, housing, record keeping, and technology; harvesting and use of non-ruminant products.
ASSESSMENT:
Coursework 70%
Final Examination 30%

YEAR: 1
SEMESTER: 3 (10 WEEKS)
COURSE CODE: AGRI 0114
COURSE TITLE: FARM PRACTICE I
NUMBER OF CREDITS: 4
PREREQUISITES: AGRI 0111 – CROP PRODUCTION I AND AGRI 0112 – LIVESTOCK PRODUCTION I
COURSE CONTENT: The University Field Station – location, functions, layout, infrastructure, operations, inputs and sources, products and markets, human resources; the Meteorology Station – equipment and function; interpretation of meteorological data; soil environment – soil physical conditions. Plant propagation – seedlings, cuttings, divisions, separations; the nursery – facilities and sanitation; media – types, preparation and management; crop establishment in the field and under protective cover; crop maintenance – irrigation, nutrition, crop protection; harvesting, transport, grading, cleaning, packaging, storage, sales; agricultural chemical and tool inventory. Livestock facilities maintenance – sanitation of pens, fence repair; livestock husbandry – feeding, watering, deworming; poultry processing; agricultural equipment and tools – use, safety issues, preventative maintenance and storage; sales - crop and livestock products. Basic first aid.
ASSESSMENT:
Coursework 100%

CERTIFICATE IN GEOGRAPHY

YEAR: 1
SEMESTER: 1
COURSE CODE: GEOG 0101
COURSE TITLE: NATURAL ENVIRONMENTS I: GEOMORPHOLOGY AND FLUVIAL AND COASTAL ENVIRONMENTS
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
COURSE CONTENT: This course is an introduction to the geomorphology of different physical environments. It examines the main geomorphic processes in the context of endogenic and exogenic systems from a global perspective. The first part of the course is an examination and description of endogenic systems and processes. It examines the internal structure of the Earth and explains the geographic patterns of global relief of the solid surface in the context of plate tectonics. The relationship between global tectonics and the patterns and styles of volcanic activity and earthquakes are discussed. The rest of the course examines and describes the main exogenic systems and processes. The geographical patterns and types of weathering are discussed and the products of the physical disintegration and chemical decomposition of rocks are examined. Exogenic systems in relation to the main geomorphic agents of water, wind and ice are introduced in the context of fluvial, slope, aeolian, karst, coastal, aeolian and glacial systems.
ASSESSMENT:
Coursework 100%

YEAR: 1
SEMESTER: 1
COURSE CODE: GEOG 0102
COURSE TITLE: POPULATION AND SETTLEMENT PATTERNS
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
COURSE CONTENT: This course examines the concepts of population growth and settlement, including: spatial and statistical patterns of growth; distribution of human settlements; basic demography; and develops analytical and interpretive skills and techniques. The course is organized into key areas of population growth 1) natural increase; and 2) migration, both of which analyze state responses, socio-cultural concerns, and economics and resource capacity.
ASSESSMENT:
Coursework 50%
Final Examination 50%

YEAR: 1
SEMESTER: 1
COURSE CODE: GEOG 0103
COURSE TITLE: ECOLOGY AND NATURAL RESOURCE CONSERVATION
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
COURSE CONTENT: This course is an introduction to fundamental ecological processes and concepts. It looks at the interaction of organisms with the abiotic and biotic environments with the goal of understanding the processes that control these interactions. The first part of the course looks at what is ecology. It examines biogeochemical cycles, energy and nutrient flow within ecosystems and discusses the types of interactions between organisms in communities. It explains the process of natural selection and examines population dynamics. The remainder of the course examines natural resources. The different types of natural resources will be discussed and the use and conservation of these resources will be examined. The course will focus on natural resources in a Caribbean context.
ASSESSMENT:
Coursework 100%

YEAR: 1
SEMESTER: 1
COURSE CODE: GEOG 0104
COURSE TITLE: ENVIRONMENTAL DATA ANALYSIS
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
COURSE CONTENT: This course is an introduction to statistical representations of environmental patterns and processes encountered in the pursuit of geographical knowledge. The course is designed to develop confidence in candidates with various levels of numeracy, and strengthen quantitative skills so that all candidates graduate with proficiency in data analysis. Topics that will be discussed include displaying and describing data, the normal curve, regression, probability, statistical inference, confidence intervals, and hypothesis tests with applications in the real world.
ASSESSMENT:
Coursework 60%
Final Examination 40%

YEAR: 1
SEMESTER: 2
COURSE CODE: GEOG 0201
COURSE TITLE: NATURAL ENVIRONMENTS II: ATMOSPHERIC PROCESSES, VEGETATION, NATURAL HAZARDS AND HUMAN VULNERABILITY
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
COURSE CONTENT: The course introduces students to the elements of atmospheric phenomena, global vegetation and soils, and hazards. Against the theoretical background of endogenic processes and atmospheric systems, it reviews a range of natural hazards operating of different spatial and temporal scales, including geological (volcanoes, earthquakes), hydrological (floods), and climatological (hurricanes). The course also examines the possible changes to risk under climate and sociological change. The latter part of the course examines individual and collective responses to earthquake, floods and volcanic hazards before the occurrence and after the occurrence. It also looks at Government responses to hazards - earthquakes, floods and volcanoes.
ASSESSMENT:
Coursework 100%

YEAR: 1
SEMESTER: 2
COURSE CODE: GEOG 0202
COURSE TITLE: ECONOMIC AND DEVELOPMENT CONTROVERSIES
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
COURSE CONTENT: The objective of this course is to introduce the ways that development is approached throughout the world, as well as how the global economy functions. In doing so, students will explore differing actors involved in the development process, as well as gain insights about how economies operate, what purposes they serve, and how they impact both societies and ecologies. The course also employs a wide array of diverse perspectives to analyse the many ways development is practiced, as well as how the global economy shapes human-environment interactions, patterns of migration, and international relations. In addition, the course focuses on how a geographic perspective yields new insights when trained on environmental management, the exploitation of resources, as well as regulations pertaining to conservation and preservation.
ASSESSMENT:
Coursework 100%

YEAR: 1
SEMESTER: 2
COURSE CODE: GEOG 0203
COURSE TITLE: LAND USE AND SUSTAINABILITY
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
COURSE CONTENT: The course will provide students with an understanding of the complex processes, engagements, and interactions taking place amongst humans, resources, agricultural production, and the environment. It will unfold so that each weekly theme exposes students to the interdisciplinary nexus of agriculture, energy use, resource extraction, and consumption. Moreover, it will provide students the necessary tools required to assess the use and distribution of environmental resources as they relate to human, community, and ecological health. Students will also gain insight into the negative impacts that environmental degradation has on humans, wildlife, and plants, as well as aquatic and terrestrial ecosystems. The course will also provide students with the knowledge about how resource-use can be altered to minimize, manage, and/or eliminate specific environmental problems. The themes will also address environmental stressors and pollution, their sources in the natural and workplace environments, their modes of transport and transformation, and their effects on ecological systems and differing human populations.
ASSESSMENT:
Coursework 60%
Final Examination 40%

YEAR: 1
SEMESTER: 2
COURSE CODE: GEOG 0204
COURSE TITLE: INTRODUCTION TO SPATIAL MODELING AND FUNDAMENTALS OF GIS
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
COURSE CONTENT: Using computers for mapping is prevalent everywhere and one may not even know or recognize it. The smartphone in one's pocket, or tablet in one's bag are location enabled devices tracking ones every move. Some 80% of all data have some type of spatial aspect to it. This course will introduce students to spatial modelling and analysis theory and practice. Topics covered will include scale and generalization, georeferencing, spatial data models, data collection, mapping and spatial analysis. Students will become versed in GIS software. Practical applications of spatial and temporal analysis of geographical concepts taught in other classes in the programme will be undertaken. These include coastline change detection, landcover mapping, sea level rise, hydrological modelling and natural hazard risk and mitigation. By the end of the class students will have a strong foundation in GIS theory and GIS-based solutions for real world problems and issues.
ASSESSMENT:
Coursework 65%
Final Examination 35%

YEAR: 1
SEMESTER: 1
COURSE CODE: AGRI 0103
COURSE TITLE: AGRICULTURAL CHEMISTRY
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
COURSE CONTENT: Introduction; weights, measures and measurement system; atoms and the periodic table; ionic compounds; mass and moles; chemical reactions; solutions and concentration; acids, bases, and pH and buffer systems; covalent bonds and functional groups; saturated hydrocarbons; unsaturated hydrocarbons; oxygen containing organics; nitrogen containing organics; applications of chemistry to agriculture.
ASSESSMENT:
Coursework 85%
Final Examination 15%

YEAR: 1
SEMESTER: 1
COURSE CODE: AGRI 0104
COURSE TITLE: AGRICULTURAL BIOLOGY I
NUMBER OF CREDITS: 3
PRE-REQUISITES: NONE
COURSE CONTENT:
Taxonomy of living organisms, the plant and animal kingdoms, higher plants and animals; cell structure, growth and division; growth in plants and animals; plant habit, morphology and anatomy of leaves, stems, roots, flowers and fruits of a range of crop species; animal morphology and anatomy of the skeletal, muscular, nervous, digestive, circulatory, respiratory, excretory, endocrinal and reproductive systems of a range of livestock species; introduction to genetics – basic concepts; genotype and phenotype; inheritance; development of livestock breeds and crop cultivars.
ASSESSMENT:
Coursework 80%
Final Examination 20%

YEAR: 1
SEMESTER: 2
COURSE CODE: AGRI 0107
COURSE TITLE: MATHEMATICS
NUMBER OF CREDITS: 3
PRE-REQUISITES: CSEC MATHEMATICS OR EQUIVALENT
COURSE CONTENT: Review of numbers and their operations, Matrices and Trigonometry; functions: Linear, quadratic, rational, exponential, logarithmic and trigonometric. Differential and Integral Calculus.
ASSESSMENT:
Coursework 60%
Final Examination 40%

CERTIFICATE IN HUMAN ECOLOGY

YEAR:1
SEMESTER: 1
COURSE CODE: ENTR 0101
COURSE TITLE: FUNDAMENTALS OF ENTREPRENEURSHIP
NUMBER OF CREDITS: 3
PREREQUISITES: None
COURSE DESCRIPTION: Good ideas alone are not responsible for the success of an entrepreneur in today's competitive environment. This course is designed to provide students with an introduction to the process of business development. Students will cover steps towards building a business, idea generation, launching a business venture, and managing and expanding a business enterprise. The course presents students with the forms of business organization such as sole proprietorship, partnership, and limited liability companies. Students will review all procedures and preparation of documents required for the registration and incorporation of a business under the Companies act of their respective countries and rules and regulations for business operations throughout CARICOM member states. To assist with the conceptualization of business ideas, students will be introduced to business development strategies through brainstorming and other exercises. The course also provides an introduction to financial, organizational and human resource management, marketing, market research, business communication and product development. Students will conclude the course by conducting a practical exercise such as the registration of a business idea under the Companies' Act of their respective country.
ASSESSMENT:
Coursework – 40%
Final examination – 60%

YEAR:1
SEMESTER: 1
COURSE CODE: HUEC 0101
COURSE TITLE: FUNDAMENTALS OF FOOD AND NUTRITION I
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
COURSE DESCRIPTION: This course aims to provide an understanding of the basic principles of nutrition, nutritional and food preparation skills and newer advances in food technology. It encompasses the safety and social aspects of food and is centred on production of healthy food, food sanitation practices and lifestyle choices throughout the lifecycle. Moreover, the course is focused on the enhancement of student awareness with regards to personal food choices and overall health.
ASSESSMENT:

Coursework	40%
Final Examination	60%

YEAR:1
SEMESTER: 2
COURSE CODE: HUEC 0102
COURSE TITLE: FUNDAMENTALS OF FOOD AND NUTRITION II
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
COURSE DESCRIPTION: This course aims to provide an understanding of the basic principles of the science of eating behaviours, application of dietary guidelines, nutritional standards, and food labelling, and nutrition-related disorders. It encompasses the safety and social aspects of food and is centred on lifestyle choices throughout the lifecycle. Moreover, the course is focused on the enhancement of student awareness with regards to personal food choices and overall health, nutritional principles and values and empowering individuals and communities to exercise control over their health.
ASSESSMENT:

Coursework	60%
Final Examination	40%

YEAR:1
SEMESTER: 1
COURSE CODE: HUEC 0103
COURSE TITLE: INTRODUCTION TO HUMAN ANATOMY AND PHYSIOLOGY I
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
COURSE DESCRIPTION: This course takes the student on a tour of the human body and how it functions, from the cell and molecular level all the way up to the whole organism. It seeks to introduce the basic anatomy and physiology of cells, tissues, organs and systems. Knowledge of the processes that enables the body to function is critical to understanding pathophysiological changes that occur in disease states, as well as the level of functioning required for health and well-being. This course introduces the basics in a manner that allows the student to meet the requisite level of competency.
ASSESSMENT:

Coursework	40%
Final Examination	60%

YEAR:1
SEMESTER: 2
COURSE CODE: HUEC 0104
COURSE TITLE: INTRODUCTION TO HUMAN ANATOMY AND PHYSIOLOGY II
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
COURSE DESCRIPTION: This course follows on from the materials taught in Introduction to Human Anatomy and Physiology It takes an integrated systems approach to understand the restructure functions and regulation of cardiovascular, respiratory, excretory, reproductive, skeletal, nervous, and digestive systems. This course introduces you to the basic anatomy and physiology of body systems. It takes integrated systems approach to understand the restructure functions and regulation of cardiovascular, respiratory, excretory, reproductive, skeletal, nervous, and digestive systems. It culminates with topic on genetics, molecular biology, and inheritance. For each system covered in the course, the anatomical features are outlined and the physiological functions are explained.
ASSESSMENT:

Coursework	40%
Final Examination	

YEAR:1
SEMESTER: 2
COURSE CODE: HUEC 0105
COURSE TITLE: FOOD AND NUTRITIONAL CHEMISTRY
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
COURSE DESCRIPTION: The purpose of this course is to provide a fundamental understanding of the chemical nature of the molecules that make up food, in relation to the role that they play in the human body. It also focuses on the effect of preparation and storage strategies on the nutrient content and bioavailability of key nutrients and the generation of toxicants. In addition, it will provide the fundamentals in chemistry necessary to tackle courses in biochemistry, metabolism, and nutrition.
ASSESSMENT:

Coursework	40%
Final Examination	60%

YEAR:1
SEMESTER: 2
COURSE CODE: HUEC 0106
COURSE TITLE: INTRODUCTION TO FAMILY AND CONSUMER SCIENCES
NUMBER OF CREDITS: 3
PREREQUISITES: NONE
COURSE DESCRIPTION: Family and Consumer Sciences are important issues associated with the family. Knowledge of its impact on the function of the family is critical in understanding consumer behaviors and needs as it relates to fashion and consumer products. This course is an introduction to the basics of the multifaceted field of Family and Consumer Sciences. It encourages, fosters and develops an awareness of human needs and the interrelated factors involved in the management and use of fashion, textiles and consumer products. It is organized around distinct, yet cohesive units of: Fibers and Fabrics; Fashion and Design and Management of Family Resources.
ASSESSMENT:

Coursework	100%

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