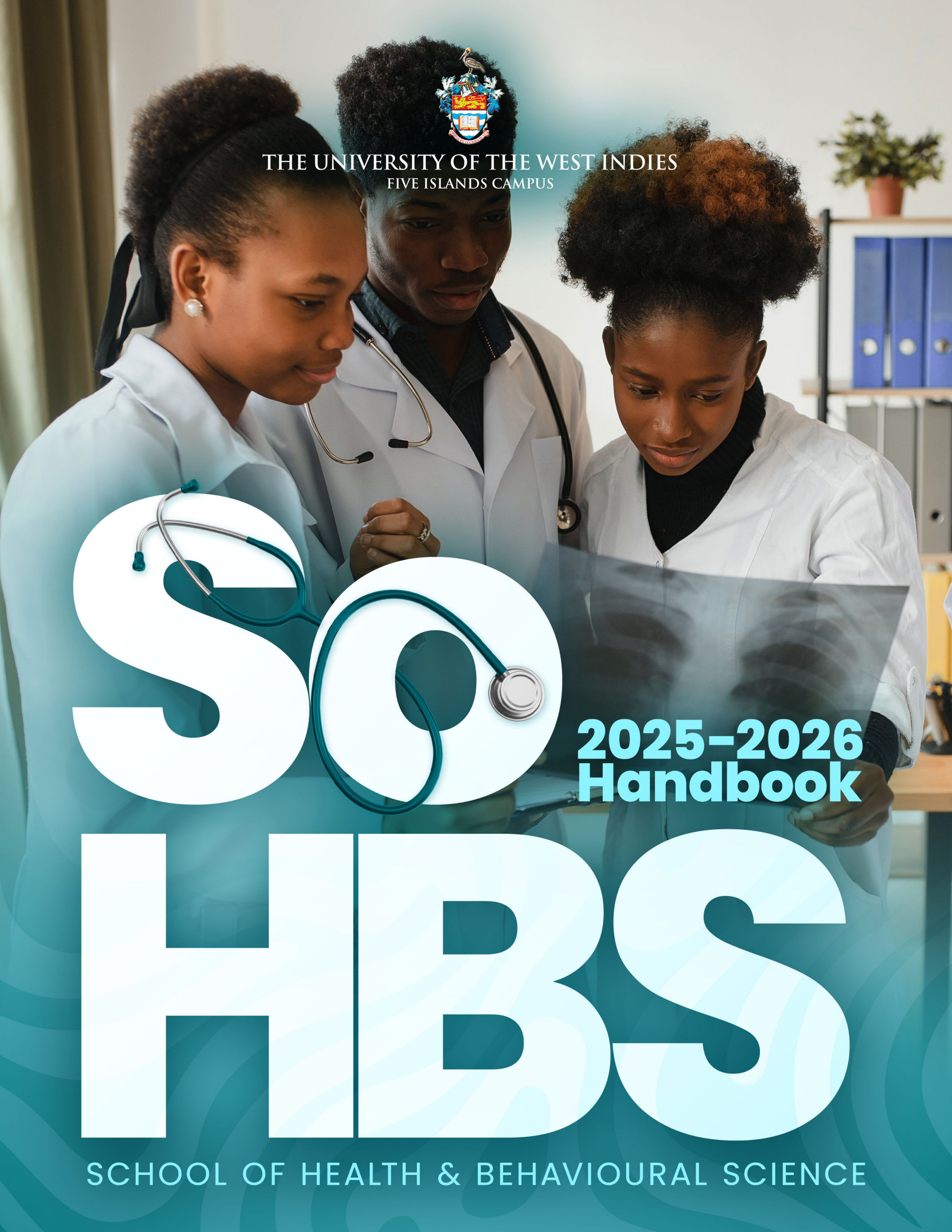

THE UNIVERSITY OF THE WEST INDIES
FIVE ISLANDS CAMPUS

SO HBS

2025-2026 Handbook

SCHOOL OF HEALTH & BEHAVIOURAL SCIENCE

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THE UNIVERSITY OF THE WEST INDIES

SCHOOL OF HEALTH AND BEHAVIOURAL SCIENCE FIVE ISLANDS CAMPUS

UNDERGRADUATE HANDBOOK 2025/2026

MISSION

To advance learning create knowledge and foster innovation for the positive transformation of the Caribbean and wider world.

VISION

To be an excellent global university rooted in the Caribbean.

CORE VALUES

Integrity, Intellectual Freedom, Excellence, Civic Responsibility, Accessibility, Diversity, Equity

ABOUT THE FIVE ISLANDS CAMPUS (FIC)

FIC is UWI's 5th campus and 4th landed campus located in Antigua and Barbuda. Approval was given for establishment on May 29th 2019.

DISCLAIMER

The information contained in this handbook was accurate at the time of printing and electronic publication. However, students are advised to consult the School Office, their academic department, and course coordinators throughout the academic year for clarification or updates. Notwithstanding the content of this handbook, course outlines and other materials produced by the University may be subject to modification or withdrawal. The University reserves the right to modify programmes, courses, classes, clinical rotations, and internships as necessary.

PURPOSE OF THE HANDBOOK

This handbook provides essential information for students admitted to the School of Health and Behavioural Sciences in the 2025–2026 academic year. It outlines the programmes and courses offered, as well as key regulations related to registration, degree requirements, leave of absence, and plagiarism.

The handbook supports students in understanding academic expectations, but it does not replace official University policies. Students should consult the School Office, academic departments, or course coordinators regularly for updates, as course outlines and other materials are subject to change or withdrawal.

The information in this handbook applies to all new and transfer students entering the School during the 2025–2026 academic year. Continuing students should follow the regulations in effect at the time of their year of entry.

Students must comply with all University and School regulations. The School may delay offering any course with low enrollment. Students should confirm course availability and seek academic advice before registration. Academic advising is essential to student success.

The University reserves the right to revise the contents of this handbook as needed.

HEAD OF SCHOOL MESSAGE TO STUDENTS

Welcome — and welcome back — to the School of Health and Behavioural Sciences (SoHBS) at The University of the West Indies, Five Islands Campus, for the 2025–2026 academic year. As we begin this new chapter, we do so under the wind of change — a wind that brings renewed purpose, fresh opportunities, and the promise of growth and transformation. Whether you are joining us for the first time or continuing your academic journey, this year marks a pivotal moment filled with potential and promise.

At SoHBS, our mission is to prepare future leaders who will shape health systems and promote well-being in communities both locally and globally. We are excited to continue offering our new degree programmes in Generative Pharmacy, Traditional Pharmacy, Psychology, Sports Coaching, Sports Kinetics, and Public Health. These programmes will continue to expand opportunities for academic advancement, professional development, and service to society, reflecting our deep commitment to addressing emerging needs in health, wellness,safety, and behavioural science across the region and beyond.

Let this academic year be a time of reflection, courage, and renewed motivation. Allow yourself to push beyond your limitations, toward your personal and professional goals. Your presence here matters — not just to your academic development, but to the future of health and social transformation in the Caribbean and beyond.

Together, we will learn, lead, and uplift.

Welcome to the School of Health and Behavioural Sciences. We are proud to walk this journey with you.

Warm regards,

Mrs. Ronis Joseph-Browne

RN, CM, BSc, MSc

STUDENT REPRESENTATIVE WELCOME MESSAGE

Greetings, fellow Health and Behavioural Science professionals, and welcome to the start of a new academic term, a season marked by fresh opportunities for learning, growth, and self-discovery. As we embark on this journey together, I want to encourage you to stay focused, stay grounded, and never lose sight of your purpose.

The path ahead may be challenging at times. Balancing academics, personal commitments, and our future aspirations isn't always easy. But let us be reminded that with Christ as our foundation and a determined spirit, there is no limit to what we can achieve. Our faith, paired with hard work and resilience, will carry us through even the most difficult moments.

Let us also remember that we are not walking this road alone. We are a team of vibrant community of future health professionals, behavioural scientists, caregivers, and changemakers. It is with this mindset of unity, support, and collective purpose that we will rise and accomplish great things. As your newly elected School of Health and Behavioural Sciences (SoHBS) Representative, I am deeply honoured to serve you. I am committed to representing your voices, advocating for your needs, and creating initiatives that promote academic success, professional development, and overall student well-being.

This year, let us strive not only for academic excellence but also for a renewed sense of community, career readiness, and personal growth. I look forward to collaborating with each of you, hearing your ideas, and working together to build a more engaging and empowering student experience.

Let's face this term with boldness, faith, and a shared vision: Success through sustained effort.

Chrysean Jarvis,

Undergraduate degree in Criminology & Criminal Justice (Enrolled)

FACULTY

LECTURER

Dr. Karen Sylvia Josiah,
RN, CM, BSc, MSc, Ed.D

LECTURER

Mrs. Rochelle Zachariah-Gore,
RN, CM, BSc, MSc

ASSISTANT LECTURER

Ms. Kadian Henry,
RN, BSc, MSc

CLINICAL INSTRUCTOR

Mrs. Josephine Williams,
RN, BSc, MSc

SENIOR LECTURER AND PHARMACY COORDINATOR - PHARMACY

Dr. Rian Marie Extavour
BSc, MSc, PgCert, MSc, PhD

LECTURER AND REGIONAL COORDINATOR - CRIMINOLOGY AND CRIMINAL JUSTICE PROGRAMME

Dr Kamecia Blake,
BSc, MSc, MPhil, PhD

ADJUNCT LECTURER- BEHAVIOURAL SCIENCES PROGRAMMES

Ms. Samantha N. Marshall
LLB (Hons.) LEC

ACADEMIC CONSULTANTS

PROF. O. PETER ADAMS
BSc (Lond), MB BS, MSc, DM (Family Medicine) (UWI), Cavehill Campus, Faculty of Medical Sciences

PROFESSOR EULALIA KAHWA
PhD, BScN (Hons), RN, RM, Adv. Dipl. Nutrition, Dipl. Ed., Mona Campus, Faculty of Medical Sciences, UWI School of Nursing

PROF. KENNETH L. CONNEL
MMBS DM (UWI), PhD (KCL), FACP FRCP (London) FACC, Cavehill Campus, Faculty of Medical Sciences

SECRETARIAT/ADMINISTRATIVE STAFF

SECRETARY
Ms. Jose' Jackson
BS in ACCT, MS in BMgt

SECRETARY
Ms. Otesia Melville-Rowe
BSc, MS EL

ABOUT THE SCHOOL OF HEALTH AND BEHAVIOURAL SCIENCES

The **School of Health and Behavioural Sciences (SoHBS)** is a progressive unit within The University of the West Indies, Five Islands Campus, committed to preparing a new generation of professionals equipped to lead in health, wellness, and social transformation across the Caribbean and beyond.

Grounded in a multidisciplinary approach, the School offers a range of innovative undergraduate and graduate programmes that blend theory, research, and practice. Students acquire the skills and knowledge necessary to address contemporary challenges in healthcare delivery, psychological well-being, criminal justice, public health, and sports performance.

Undergraduate programmes include degrees in Nursing, Psychology, Traditional and Generative Pharmacy, Sports Kinetics, Sports Coaching, and Criminology & Criminal Justice. At the graduate level, students can pursue a Master of Public Health (MPH) and a PhD in Sport — programmes designed to deepen professional expertise and foster regional leadership in health and behavioural sciences.

Though all programmes cited above are fully offered through the School of Health and Behavioural Sciences our sport offerings are strengthened by our close working arrangement with the Faculty of Sport at The University of the West Indies. The School is driven by the Faculty’s vision to become “the premier sport education organisation by delivering relevant world-class opportunities that positively challenge this generation to create a more successful and sustainable future”. We are equally guided by the Faculty’s mission of “transforming the world through research and academics that develop and deliver international sports excellence in an inclusive, harmonised, and student-focused environment”.

SoHBS is distinguished by its commitment to culturally relevant teaching, student-centred learning, and community engagement. With a focus on equity, innovation, and impact, the School plays a vital role in shaping responsive solutions to the Caribbean’s evolving health and social development needs.

ACADEMIC CALENDAR 2025/2026

ACTIVITY	SEMESTER I AUGUST-DECEMBER 2025	SEMESTER II JANUARY-MAY 2026	SUMMER MAY-JULY 2026
Online Application OPENS	January 06, 2025	September 15, 2025	n/a
Online Application CLOSES	June 30, 2025	November 30, 2025	n/a
Semester BEGINS	August 24, 2025	January 18, 2026	May 24, 2026
Normal Registration BEGINS	August 18, 2025	January 05, 2026	May 11, 2026
Normal Registration ENDS	September 05, 2025	January 23, 2026	May 22, 2026
Late Registration BEGINS	September 08, 2025	January 26, 2026	May 26, 2026
Late Registration ENDS	September 12, 2025	January 30, 2026	June 1, 2026
STUDENT PAYMENT PLAN			
Down Payment Deadline	September 05, 2025	January 26, 2026	n/a
1st Installment	September 26, 2025	January 30, 2026	May 29, 2026
2nd Installment	October 31, 2025	February 27, 2026	June 26, 2026
Finance Hub	November 4 2025	n/a	n/a
3rd Installment	November 28, 2025	March 27, 2026	n/a
Finance Hub	n/a	March 31 2026	n/a
SEMESTER/TERM DETAILS			
Teaching BEGINS	September 01, 2025	January 19, 2026	May 26, 2026
Teaching ENDS	November 21, 2025	April 10, 2026	July 03, 2026
Review/Study Week	November 23 - November 30, 2025	April 12-19, 2026	July 06-10, 2026
Examinations BEGIN	December 01, 2025	April 20, 2026	July 13, 2026
Examinations END	December 19, 2025	May 08, 2026	July 24, 2026
Semester ENDS	December 19, 2025	May 08, 2026	July 24, 2026
Publication of Grades	January 16, 2026	June 05, 2026	August 21, 2026
Application for Remark/Go Through	January 19-30, 2026	June 08-19, 2026	August 24-28, 2026
Deadline to apply for Leave of Absence	September 12, 2025	February 06, 2026	June 02, 2026
Deadline to apply for Deferrals	September 12, 2025	February 06, 2026	n/a
Deadline to apply for Voluntary Withdrawal from the University	September 12, 2025	February 06, 2026	n/a
Deadline to apply for Exemptions	September 12, 2025	February 06, 2026	n/a
Deadline to apply to Carry Forward Coursework	September 12, 2025	February 06, 2026	June 02, 2026

ACTIVITY	SEMESTER I AUGUST-DECEMBER 2025	SEMESTER II JANUARY-MAY 2026	SUMMER MAY-JULY 2026
Deadline to apply for Change in Programme	June 30, 2025	February 06, 2026	n/a
Deadline to apply for Inter-Campus Transfers 2026/2027	June 30, 2026		
CEREMONIES			
Matriculation Ceremony	September 18, 2025		
Graduation Ceremony	October 11, 2025		
LLU Award Ceremony	October 30, 2025		
APPLICATION PERIOD 2025/2026	**SEMESTER 1**	**SEMESTER 2**	
UG/PG Degree Programmes	January 6, 2025- June 30, 2025	September 15, 2025- November 30, 2025	
Specially Admitted	TBD	TBD	

DISCLAIMER: THE DATES LISTED ON THIS CALENDAR ARE SUBJECT TO CHANGE BY APPROPRIATE AUTHORITIES

GENERAL REGULATIONS

FOR THE BACHELOR OF SCIENCE DEGREE IN THE SCHOOL OF HEALTH AND BEHAVIOURAL SCIENCES

DEFINITION OF TERMS

ADVISING HOLD	An Advising Hold may be placed on a student's record to indicate that the student must get academic advising prior to registration
ANTI-REQUISITES	Refers to courses where content overlap precludes courses being taken together for credit. Students are urged to view the listings in this handbook and consult their department for guidance.
CORE OR COMPULSORY COURSES	Courses that students must complete in order to be awarded a degree.
CREDIT	Refers to a unit of study counting towards a degree or diploma. Undergraduate courses in the School normally carry a weighting of three (3) credits. A number of courses, however, carry a weighting of six (6) credits.
EXEMPTION WITH CREDIT	Refers to cases where a student is granted exemption from UWI courses because the student has already passed courses in other programmes at UWI or passed courses of similar content at other recognised institutions. Students are not required to take replacement courses.
FREE ELECTIVES	Courses which are optional in the degree programme concerned and may be selected from any department or School/Faculty. Please note that Level I courses cannot be used as electives in Level II/III of the programme.
LEVEL I, LEVEL II & LEVEL III	Represents the different standard of courses that must be completed in the undergraduate degree programme. Each level is designated by the first numeral in the course code. Levels II and III courses are equally weighted for the assessment of class of degree.
PREREQUISITES	Courses which must be completed before registration for another course is permitted.
PART-TIME REGISTRATION	A student who is admitted based on CSEC qualifications only must be registered as a Part Time student. Part-time students shall register for no more than 15 credits (2+3 courses) per academic year in the first level of the programme. Such students in possession of one A' level, may register for no more than 9 credits per semester.
FULL-TIME REGISTRATION	A student who is fully matriculated and therefore registered for not more than 15 and not less than 12 credits per semester.

GENERAL OBJECTIVES OF THE PROGRAMMES OFFERED

THE SCHOOL OF HEALTH AND BEHAVIOURAL SCIENCE

The undergraduate and graduate programmes offered by the School of Health and Behavioural Sciences aim to produce well-rounded professionals by achieving the following objectives:

1. **Interdisciplinary Knowledge Integration**

   Equip students with a foundational understanding of health, behaviour, and human physiology, enabling them to integrate knowledge across disciplines such as nursing, pharmacy, psychology, and sports sciences.

2. **Ethical and Professional Practice**

   Foster ethical principles and professional behaviours that align with the standards of practice in the various disciplines, ensuring students uphold integrity and professionalism in clinical, psychological, pharmaceutical, and athletic contexts.

3. **Critical Thinking and Problem-Solving**

   Develop the ability to critically analyse and solve complex health and behavioural issues through evidence-based approaches applicable in clinical settings, pharmaceutical practice, psychological assessment, and sports performance.

4. **Effective Communication and Collaboration**

   Cultivate strong communication skills and collaborative practices, preparing students to work efficiently within interdisciplinary teams comprising healthcare providers, pharmacists, psychologists, and sports professionals.

5. **Research and Evidence-Based Practice**

   Promote engagement in research and the application of evidence-based practice, fostering a culture of inquiry, innovation, and advancement in healthcare, pharmaceutical sciences, psychology, and sports sciences.

6. **Cultural Competence and Sensitivity**

   Instill an appreciation for cultural diversity and the importance of culturally competent care, ensuring students are prepared to serve diverse populations in various healthcare and behavioural science contexts.

7. **Leadership and Advocacy**

   Prepare students to assume leadership roles and advocate for policies, practices, and initiatives that promote health, equity, and well-being in communities and professional environments.

8. **Lifelong Learning and Professional Development**

   Encourage a commitment to continuous learning and professional growth, enabling students to stay informed of emerging trends, innovations, and best practices in their respective fields.

QUALIFICATIONS FOR ADMISSION INTO THE PROGRAMMES OFFERED THROUGH THE SCHOOL OF HEALTH AND BEHAVIOURAL SCIENCES (SOHBS)

PROGRAMMES	SPECIFIC PROGRAMME REQUIREMENTS
BSc. Nursing	***PROGRAM OUTCOME: UNDERGRADUATE*** ***4-YEAR PROGRAM*** **Program Overview:** The Bachelor of Science in Nursing (BScN) program is designed to produce competent and responsible graduates who are equipped to provide high-quality healthcare to individuals and families across various healthcare settings. Grounded in the nursing process, the program emphasises preventive/promotive, curative, and rehabilitative care to promote positive health outcomes and contribute to the advancement of the nursing profession. ***ADMISSION REQUIREMENTS:*** All persons entering the General Nursing program must have a minimum: (i) Have obtained passes in the Caribbean Examination Council (CSEC) Examination or the General Certificate Examination (GCE) Ordinary Level or approved equivalent, in at least FIVE (5) subjects: (a) English Language (b) Mathematics (c) Biology OR Human & Social Biology AND Two subjects from Agricultural Science, Geography, Caribbean History, A Modern Language, Social Studies, Religious Education, Food & Nutrition, Home Economics Management, Principles of Accounts, Principles of Business, English Literature, Business Studies, Information Technology, Chemistry, Physics, Psychology. (ii) The Nursing Council requires candidates to pass at CXC/CSEC General Proficiency – Grades I, II, III, GCE O' Level – Grades A, B or C or CAPE – Grades 1-4. (iii) No applicant will be accepted for indexing with more than two subjects at CXC General Grade III or GCE O' Level Grade C or a combination of both. ***APPLICANTS ARE ALSO REQUIRED TO:*** • Be at least 17 years old at the time of admission to the program; • Provide two (2) letters of recommendation. • Applicants may also be required to submit to a personal interview at the school's discretion.

PROGRAMMES	SPECIFIC PROGRAMME REQUIREMENTS
Psychology (major)	***PROGRAM OUTCOME: UNDERGRADUATE*** ***3-YEAR PROGRAM & 4-YEAR PROGRAM*** **Program Overview:** The Psychology program offers a comprehensive exploration of the fascinating field of psychology, providing students with a solid foundation in theoretical knowledge and practical skills. Through classroom learning, hands-on experiences, and research opportunities, students will gain insight into the complexities of human behavior, cognition, and emotions. ***ADMISSION REQUIREMENTS:*** **Minimum Requirements for the Three (3) Year Degree Programme** Applicants must satisfy the requirements in **either (a) and (b) or (c) below**: (a) Five (5) GCE O' Levels Grades A, B or C, or CXC General Proficiency Level 1 or 2 pre-1998 and, General Proficiency Level 3 after June 1998, subject passes in Mathematics, English Language and three (3) other subjects. (b) A minimum of two (2) subjects at CAPE or GCE A' Level passes. CAPE subjects must consist of both Unit 1 and Unit 2. (c) An associate degree from approved Caribbean tertiary level institutions with a minimum GPA of 2.5. **Minimum Requirements for the Four (4) Year Degree Programme** Applicants must satisfy the requirements in **(a) and (b) below**: (a) CXC/CSEC or GCE O'Level passes in a minimum of five (5) subjects. Subject requirements are Mathematics and English Language. Grade requirements for CXC/CSEC are General Proficiency, Grades I or II pre-1998 and Grades I, II, or III from June 1998, and (b) CAPE or GCE A'Level passes in at least one (1) subject. CAPE subject must consist of both Unit 1 and Unit 2 Applicants must have CAPE (both Units 1 and 2) passes in the approved CAPE/GCE A-level science subjects or an equivalent approved Associate Science Degree with a minimum GPA of 2.5. **In addition to** fulfilling Lower-level matriculants without these qualifications, they must first pass UWI Preliminary level science courses.

PROGRAMMES	SPECIFIC PROGRAMME REQUIREMENTS
Pharmacy (Traditional)	***PROGRAM OUTCOME: UNDERGRADUATE*** ***4-YEAR PROGRAM*** **Program Overview:** The traditional Pharmacy Program offers a comprehensive curriculum to prepare students for careers as pharmacists in various healthcare settings. Through a combination of classroom instruction, laboratory work, and experiential learning opportunities, students will develop the knowledge, skills, and professional values necessary for success in the field of pharmacy. ***ADMISSION REQUIREMENTS:*** All persons entering the Traditional Pharmacy program must have a minimum of: 1. Five (5) GCE O' Levels Grades A, B or C, or CXC General Proficiency Level 1 or 2 pre-1998 and General Proficiency Level 3 after June 1998, subject passes in Mathematics, English Language, Biology, Chemistry, and Physics. 2. Three (3) CAPE or GCE A-Level equivalent passes with Grade I or II in Chemistry, plus two (2) others in Biology, Zoology, Physics, or Mathematics. 3. Or passes in the above subjects taken in preliminary and/ or introductory examinations in the Faculty of Science and Technology, UWI or equivalent examinations in institutions recognised by the UWI. ***APPLICANTS ARE ALSO REQUIRED TO:*** (a) If a student is enrolling with CXC and GCE subjects only, then this student will be required to enroll in the 1-year preliminary program including General Chemistry, Organic Chemistry, Pure Mathematics, Physics and Biology and /or Communications Studies (b) Be at least 17 years old at the time of admission to the program. (c) Provide two (2) letters of recommendation from people who are not relatives. Applicants may also be required to submit to a personal interview at the school's discretion.

PROGRAMMES	SPECIFIC PROGRAMME REQUIREMENTS
Pharmacy (Generative)	***PROGRAM OUTCOME: UNDERGRADUATE 4-YEAR PROGRAM*** **Program Overview:** The Generative Pharmacy Program is designed to provide students with a comprehensive education in pharmaceutical sciences, preparing them for a rewarding career in the pharmaceutical industry, healthcare, research, or academia. This innovative program integrates traditional pharmaceutical education with emerging trends in the field, equipping graduates with the skills and knowledge needed to excel in a rapidly evolving healthcare landscape of artificial intelligence. ***ADMISSION REQUIREMENTS:*** All persons entering the Generative Pharmacy program must have a minimum of: 1. Five (5) GCE O' Levels Grades A, B or C, or CXC General Proficiency Level 1 or 2 pre-1998 and General Proficiency Level 3 after June 1998, subject passes in Mathematics, English Language, Biology, Chemistry, and Physics. 2. Three (3) CAPE or GCE A-Level equivalent passes with Grade I or II in Chemistry and Mathematics, plus one (1) other in Biology, Zoology, or Physics. 3. Or passes in the above subjects taken in preliminary and/ or introductory examinations in the Faculty of Science and Technology, UWI or equivalent examinations in institutions recognised by the UWI. **Applicants are also required to:** (a) If a student is enrolling with CXC and GCE subjects only, then this student will be required to enroll in the 1-year preliminary program including Precalculus I, Preliminary Computer Science I, Physical Chemistry I, Analytical Geometry, Calculus II, Preliminary Computer Science, and Organic Chemistry. (b) Be at least 17 years old at the time of admission to the program. (c) Provide two (2) letters of recommendation from people who are not relatives. (d) Applicants may also be required to participate in a personal interview at the school's discretion.

PROGRAMMES	SPECIFIC PROGRAMME REQUIREMENTS
Sport Coaching	***PROGRAM OUTCOME: UNDERGRADUATE*** ***3-YEAR PROGRAM*** **Program Overview:** The Sport Coaching program provides aspiring coaches with the knowledge, skills, and practical experience necessary to excel in sports coaching. This program emphasises the principles of coaching philosophy, athlete development, and effective communication techniques. ***ADMISSION REQUIREMENTS:*** All persons entering the BSc Sport Coaching programme must have a minimum of five (5) passes in the following: 1. Mathematics and English Language from either of the following examination bodies: (a) General Certificate of Education, The General Certificate of Education, Ordinary level (GCE O' Level) Grades A, B or C. (b) Caribbean Examination Council (CXC) General Proficiency Level 1 or 2 pre-1998 and General Proficiency Level 3 after June 1998. 2. Two (2) subjects from either or both of the following examination bodies. (a) General Certificate of Education, Advanced Level (GCE A' Level) Grades A, B, C, D, or E. (b) Caribbean Advanced Proficiency Examination (CAPE) Units 1 & 2 of each course Grades 1- 5. 3. Two (2) subjects at either CXC or CAPE level. Candidates with qualifications other than the ones specified above will be assessed on a case-by-case basis. Additionally, candidates are required to complete the University of the West Indies English Proficiency test.

PROGRAMMES	SPECIFIC PROGRAMME REQUIREMENTS
Sport Kinetics	***PROGRAM OUTCOME: UNDERGRADUATE*** ***3-YEAR PROGRAM*** **Program Overview:** The Sport Kinetics program offers a comprehensive approach to understanding the biomechanics and physiology behind athletic performance. This program delves into the intricate mechanisms of human movement, exploring how various factors such as anatomy, physics, and psychology influence sports performance. ***ADMISSION REQUIREMENTS:*** All persons entering the BSc Sport Kinetics programme must have a minimum of five (5) passes in the following: 1. Mathematics and English Language from either of the following examination bodies: (a) a) General Certificate of Education, The General Certificate of Education, Ordinary level (GCE O' Level) Grades A, B or C. (b) b) Caribbean Examination Council (CXC) General Proficiency Level 1 or 2 pre-1998 and General Proficiency Level 3 after June 1998. 2. Two (2) subjects from either or both of the following examination bodies. (a) General Certificate of Education, Advanced Level (GCE A' Level) Grades A, B, C, D, or E. (b) Caribbean Advanced Proficiency Examination (CAPE) Units 1 & 2 of each course. Grades 1- 5. 3. Two (2) subjects at either CXC or CAPE level. Candidates with qualifications other than the ones specified above will be assessed on a case-by-case basis. Additionally, candidates are required to complete the University of the West Indies English Proficiency test.

PROGRAMMES	SPECIFIC PROGRAMME REQUIREMENTS
Criminology & Criminal Justice	***PROGRAM OUTCOME: UNDERGRADUATE 3-YEAR PROGRAM & 4-YEAR PROGRAM*** **Program Overview:** The BSc in Criminology and Criminal Justice offers an interdisciplinary understanding of crime, criminal behavior, and the justice system, blending theory and practice. Emphasizing the Caribbean context with global perspectives equips students with skills in research, analysis, and ethics. Graduates are prepared for careers in law enforcement, corrections, policy-making, or further studies, with a focus on social justice and crime prevention. ***PROGRAMME DURATION*** **Full-time Track:** • Students take a minimum of 5 courses (15 credits) per semester. • The degree can be completed in 3 years. **Part-time Track:** • Students take a maximum of 4 courses (12 credits) and a minimum of 2 courses (6 credits) per semester. • This track is designed to accommodate working students and spans 4 years. ***ADMISSION REQUIREMENTS:*** The entry requirements for the Criminology programme at the Faculty of Social Sciences include the following: 1. Normal Matriculation: • Passes in five (5) subjects, including Mathematics and English Language, at the CXC (CSEC)/GCE/BGCSE Examinations. • Two 2-unit CAPE (Caribbean Advanced Proficiency Examination) passes. 2. Other Qualifications: • Associate Degrees from approved Caribbean Tertiary Level Institutions with a minimum GPA of 2.5 (some programmes may require a higher GPA). • Equivalent qualifications such as first-year university examinations or degrees from recognised universities. 3. Lower-Level Matriculation: • At least five (5) acceptable passes at CXC (CSEC)/GCE/BGCSE, including English Language and Mathematics. 4. English Language Requirement: • English Language proficiency is mandatory. If English is not the applicant's first language, satisfactory performance in an approved English Language Test, such as TOEFL (minimum score of 500), is required. 5. Mathematics Requirement: • A minimum of Grade II before 1998 or Grade III after 1998 in Mathematics at the CSEC General Level/O-Level.

GENERAL RULES, POLICIES AND GUIDELINES

FOR STUDENTS IN THE PROGRAMME OFFERED THROUGH THE SCHOOL OF HEALTH AND BEHAVIOURAL SCIENCES (SOHBS)

THE ENGLISH PROFICIENCY TEST REQUIREMENT

All applicants to the University are required to take a proficiency test in English. At UWI-FIC in place of the proficiency test, students are required to take the foundational English course FOUN0100: Fundamentals of Written English unless exempted.

EXEMPTION FROM FOUN0100/ ENGLISH PROFICIENCY TEST

Students who have obtained one of the following are exempted from taking the test:

(a) Grade 1 in CSEC General Proficiency in English A
(b) Grade 1 or 2 in the CAPE Communication Studies
(c) Grade A in the Cambridge GCE O' Level English Language
(d) Grade A or B in the Alternative Ordinary (AO) General Paper

Those who pass or are exempted from the test do one or two Level I English Language Foundation courses as required by the matriculation guidelines for their respective programme. The level 1 courses are: (1) FOUN1006 (required) and/or (2) FOUN1008. Those who fail or did not take the test (and do not possess one of the exemptions listed above) are required to pass the remedial course FOUN0100: Fundamentals of Written English and then to do the two Level I English Language Foundation courses.

FOREIGN LANGUAGE PROFICIENCY REQUIREMENT

All students registered in the School of Health and Behavioural Sciences who do not have at least CSEC General Grade II before 1998, or Grade III after 1998, or its equivalent, in a foreign language, are required to complete three (3) credits in one of the following courses:

(a) SPAN0101- Beginners' Spanish 1
(b) FREN0101- Beginners' French 1
(c) CHIN-1001- Chinese Language 1A
(d) SIGN0101 – Sign Language

Along with any other foreign language course approved by the university and the School of Humanities and Education at UWI-FIC. Students may fulfil this requirement at any time during their undergraduate programme.

A student may substitute one of the following Foundation Courses : FOUN1210 Science Medicine and Technology in Society or FOUN1301 Law, Governance, Economy and Society with a foreign language course at the level of their competence. For Example, Table 1 presents a summary of the eligible courses for substitution and the options for the foreign language requirement within the respective schools at FIC.

TABLE 1: SUMMARY OF ELIGIBLE REPLACEMENT COURSE AND FOREIGN LANGUAGE COURSES TO FULFILL THE REQUIREMENT

SCHOOL	COURSE THAT CAN BE SUBSTITUTED	FOREIGN LANGUAGE COURSE OPTIONS (CHOOSE 1)
SCHOOL OF HEALTH AND BEHAVIOURAL SCIENCES (SOHBS)	FOUN1301	Spanish French Sign Language

SCHOOL OF SCIENCE, COMPUTING, AND ARTIFICIAL INTELLIGENCE (SOSCAI)	FOUN1301	Spanish French
SCHOOL OF BUSINESS AND MANAGEMENT STUDIES (SOBMS)	FOUN1210	Spanish French Mandarin
SCHOOL OF HUMANITIES AND EDUCATION (SOHE)	FOUN1301 **OR** FOUN1210 FOUN1501	Spanish French Sign Language

All international students whose first language is not English and who matriculated into the School of Humanities and Education with English as a Second Language (ESL) qualifications shall be exempted without credit from this requirement.

Students may opt not to take a UWI foreign language course and instead choose the self-directed learning path to achieve foreign language competency. Those who do so must demonstrate competency to the satisfaction of The UWI, that is at the ***Common European Framework of Reference for Language**: **Learning, Teaching, Assessment*** (CEFR) A1 or its equivalent in other systems.

Students who do not possess certification in a foreign language but might have pursued a foreign language may take a proficiency test to demonstrate their competence to the satisfaction of The UWI (i.e., CEFR A1 or its equivalent)

Students may fulfil this requirement at any time during their undergraduate programme.

DRESS CODE – STUDENTS ENROLLED IN THE BSC PHARMACY PROGRAMMES

(Adopted from the St. Augustine, BSc Pharmacy programme – September 2024)
"Know first who you are and then adorn yourself accordingly," Euripides (480-406BC)

A dress code is the standard set by an institution to guide the appropriate attire of its members. Your attire shapes the first impression you make, as what you wear influences the way your peers, colleagues, and patients perceive you, thereby affecting your ability to perform your job effectively. Your attire should demonstrate that the job you do is worthy and that you are worthy of performing it.

SEE APPENDIX A: *Dress Code for Pharmacy Students*

DRESS CODE/POLICY – STUDENTS ENROLLED IN THE BSC NURSING PROGRAMME

(Developed by the Human Resources Unit at the Sir Lester Bird Medical Center, October 2024)
All nursing students entering the Sir Lester Bird Medical Centre must wear the designated uniform of their university or school of nursing in all clinical settings. Failure to comply with this policy will result in removal from the clinical setting.

PURPOSE

- To uphold a professional image in clinical settings.
- To distinguish student nurses from hospital nursing staff.
- To align with international nursing standards for safety and hygiene.

SEE APPENDIX B: *Dress Code for Nursing Students*

GENERAL CODE OF CONDUCT

FOR STUDENTS ENROLLED IN THE SCHOOL OF HEALTH AND BEHAVIOURAL SCIENCES

The Code of Conduct for students promotes a respectful and academically focused environment.

1. Maintain quiet zones – Refrain from loud conversations, singing, recitations, praying aloud, playing music or videos, or other noise-generating activities in lecture and office areas. Avoid using offensive or violent language or making verbal or non-verbal threats.
2. Use facilities appropriately – Ensure that classrooms, restrooms, and other Faculty spaces are used for academic purposes only. Dispose of trash in the appropriate receptacles.
3. Reducing your carbon footprint – recycle and re-use. Place empty plastic bottles in the designated bins. Bring a Bisphenol A (BPA) free water bottle.
4. Avoid inappropriate behaviour – Do not lie or sleep on furniture, engage in public grooming, or play games in Faculty spaces.
5. Keep pathways/hallways/stairways clear – For your safety, do not block walkways, sit on stairs, or railings. Riding bicycles, skateboards, scooters, or rollerblades on the walkways/pathways is not allowed, except for individuals with mobility aids.
6. Do not move furniture – Leave chairs, tables, and benches in their designated locations. If moved for instructional purposes, they must be returned afterward.
7. Follow all other policies of the University of the West Indies – Adhere to other guidelines.

ILLEGAL DRUGS

All students are expected to abide by the Laws of Antigua and Barbuda. The School of Health and Behavioural Sciences will not serve as a sanctuary and cannot insulate its students from the consequences of illegal acts. Additionally, the university will not shield students from prosecution under the law.

1. All illegal drugs are prohibited from the university.
2. Any students who choose to use, sell, distribute and/or purchase, or keep illegal drugs in their possession will be in breach of this rule, and must be prepared to accept complete responsibility for their actions.
3. Any student found using or selling illegal drugs or having illicit drugs in his or her possession on the Campus will be turned over to the University of the West Indies Five Islands Campus Disciplinary Committee.
4. Students should not smoke (marijuana, cigarettes or other), sell or use alcoholic drinks on the Campus

FIREARMS OR LETHAL WEAPONS GUIDANCE

1. No individual shall have in his or her possession a rifle, shotgun, or firearm. Discovery or disclosure of this, unless by a licensed holder, will be reported to Campus security and the local law enforcement authorities (police).
2. No student shall have any other dangerous instrument or material that can be used to inflict bodily harm on an individual or damage to equipment, buildings, or structures on the grounds of the Campus.

GAMBLING GUIDANCE

1. All forms of gambling activities are prohibited on Campus.

VISITOR GUIDELINES

1. All visitors to the School of Health and Behavioural Sciences should first check with the Campus security officers at the gate before proceeding to the school's office.
2. No visitor or student not enrolled or working in one of the university's programs offered through the School of Health and Behavioural Sciences is allowed in the instructional spaces.
3. If a visitor is expected, please meet them in the parking lot or at the school's faculty/administrative space.

STUDENT ILLNESS/INJURY GUIDANCE

Students may become ill in the classroom or clinical setting. If this occurs, the following actions should take place:

1. All students are responsible for familiarising themselves with the university, school, and healthcare institution's policy on the reporting of accidents and injuries.
2. A colleague or a responsible person should immediately inform the Class/Year Coordinator, Clinical Instructor, or Lecturer/Faculty and seek permission to contact the campus nurse, who is stationed on the ground floor of Block A – Medical Station.
3. If the student is in a clinical setting, the assigned Clinical Instructor should assess the student and determine if they should be taken immediately to the Emergency Room (ER) for care.
4. If an injury was sustained during a clinical rotation, the student is to report this to the Clinical Instructor, fill the Accident/Injury form (Incident Reporting) of the institution, along with the Incident Reporting form for the School of Health and Behavioural Sciences (within 24-48 hours of the injury, or as soon as possible).
5. ny problems or issues occurring at or related to the clinical setting must first be reported to the assigned clinical instructor. In their absence, a written report should be made to the nurse/pharmacy/sport supervisor, who will, in turn, submit in writing and inform the Head of the School of Health and Behavioural Sciences.
6. Students are responsible for reporting any other issues or incidents (sexual harassment, bullying, etc.) in writing 24-48 hours after the occurrence, using the school's Incident reporting form and submitting to the Class/Year coordinator and the Head of the School, for further action to be taken.

PROFESSIONAL CONDUCT IN PUBLIC PLACES GUIDELINES

For Students Enrolled in Professional Programmes

Students enrolled in professional programmes (such as Nursing, Pharmacy, Psychology, Criminology, and related disciplines) are expected to uphold the highest standards of personal and professional conduct both within and outside the university setting.

As representatives of their profession, students must be mindful that their behaviour in public spaces reflects not only on themselves but also on their academic programme, the University, and the profession they aspire to join.

Accordingly, students are strongly encouraged to observe the following:

1. **Maintain Professionalism at All Times:**

   Conduct yourself with dignity, courtesy, and respect in all public settings, including on public transportation, in clinical or community placements, during internships, and on social media platforms.

2. **Avoid Behaviours that Could Undermine Public Trust**

   Refrain from actions that may be perceived as unprofessional, offensive, disruptive, or harmful to the reputation of the profession or the University.

3. **Adhere to Ethical and Legal Standards**

   As future professionals, students are expected to adhere to the ethical codes of their respective fields, including maintaining confidentiality, demonstrating cultural sensitivity, and refraining from public intoxication, inappropriate dress, illegal drug use, theft, sexual molestation, indecent language/verbal profanity, or disorderly conduct (nudity etc.).

4. **Use of Uniforms and Identification**

   When wearing the university logo, regalia, uniform, or identification badge in public, on clinical or community rotation, or duty, students must be particularly mindful of their conduct, as they are readily identifiable as representatives of the University and their profession.

5. **Disciplinary Consequences**

   Behaviours that violate these expectations—whether observed on- or off-campus—may result in disciplinary action under the University's Code of Conduct and the regulations of the relevant professional Councils (The Nursing Council of Antigua & Barbuda, The Pharmacy Council of Antigua & Barbuda, The Ministry of Public Safety & Labour). Such disciplinary action could impact your profession and future licensure registration.

COURSE SELECTION/REGISTRATION GUIDANCE FOR UNDERGRADUATE PROGRAMMES

BEFORE YOU CHOOSE YOUR COURSES

1. Academic Advising: Before registering online each semester, students must consult with their academic advisors and/or the school administration to select their courses.
2. Verify that a course is being offered: Some of the courses listed may not be offered in a given academic year. Before choosing a course, verify that it is being offered this academic year by checking the Online Student Registration System. In any given semester, only courses being OFFERED will be AVAILABLE for online registration. If it is not online, it is not being offered at this time.
3. Ensure you are registered: As a student, it is YOUR responsibility to ensure that you are appropriately registered for your courses. This is extremely important, especially for students at Levels III and IV who must satisfy the graduation requirements.
4. Overrides: Once an override has been submitted, it is the student's responsibility to verify whether it has been approved or denied by re-checking the system. Once approved, the student must then register for the said course(s).
5. Carrying Forward Coursework Grade: This is done up to two (2) weeks after you have received Academic Advisement, have received a passing grade for the coursework, and have been granted permission to register for the course. This matter is time sensitive.
6. Course loads and prerequisites: When choosing courses, students should plan their course load carefully with the guidance from their Academic Advisor or Year/Class coordinator or Head of School and ensure that they register for the prerequisites for the courses they intend to take in the future.
7. The Campus Registration Office handles all registration matters.
8. Students can make changes to the courses for which they are registered in each semester up to the deadline published by the Office of the Director of Administration.
9. Students are responsible for checking their online transcript to ensure that they are registered for the correct course(s), and/or have successfully deregistered from the course(s) they wish to drop. Registration for a course constitutes registration for the corresponding examination and includes payment of the relevant student fees.

SIMULATION LAB/CLINICAL EXPERIENCE POLICY

(Aligned with INACSL Standards of Best Practice: Simulation™)

The Simulation Laboratory is a clinical learning environment that replicates real-life healthcare scenarios in a safe, structured setting. It supports the development of critical competencies in clinical judgment, psychomotor skills, communication, and teamwork. The lab utilises high-fidelity manikins and realistic clinical equipment to enhance student learning and preparedness for real-world practice.

All students must adhere to the following guidelines:

1. Professional Conduct and Attitude
   - Arrive with a professional attitude, prepared to engage actively in all simulation activities.
   - Demonstrate respect for faculty, staff, peers, and all simulation resources, including manikins and

equipment.

- Maintain the confidentiality of all simulation scenarios and peer performance evaluations.
- Punctuality is required. Students arriving late or leaving early may risk not meeting course objectives. Early departure is permitted only with prior approval from the faculty supervising the simulation exercise.

2. Preparation and Participation

- Attend all mandatory orientation sessions before participating in simulation activities.
- Complete all assigned preparatory work before each session.
- Participate actively in all components of the simulation, including pre-briefing, simulation, and debriefing, following INACSL's learner-centered approach (INACSL, 2021).

3. Dress Code and Clinical Safety

    - Wear the approved clinical uniform, including:
        - Clean, professional attire (i.e. Blue, solid colour scrubs with matching blue or plain white nursing or science lab coat, or the colour approved by your school).
        - The Simulation Laboratory is climate-controlled to ensure learner comfort and preserve equipment. The room temperature is maintained between 21°C and 24°C (70°F–75°F). Students are advised to wear their full clinical uniform and may wear their school-approved jacket if they are sensitive to cooler temperatures (INACSL, 2021).
        - Closed-toe and heel-covered nursing shoes.
        - Name badge and official identification tag is to be worn.
        - No floral or abstract prints, jeans or leather jackets, hoodies, sweaters, or pullovers are to be used.
    - Maintain personal hygiene and appropriate grooming.
    - Hair style should be such that no hair is hanging or dangling, loosely on or below the shoulders, or on the face.
    - Remove all wrist jewelry, oversized rings, hanging chains and necklaces, loop and dangling earrings; one pair of ear piercings worn in the lobe, and artificial nails; avoid strong fragrances/perfumes/oils/lotions.
    - Adhere to universal precautions and infection control practices:
        - Perform hand hygiene before and after contact with manikins or equipment.
        - Use gloves and personal protective equipment (PPE) as required.

4. Equipment Use and Environmental Respect

    - Handle all simulation equipment and manikins with care and respect.
    - Do not sit or lie on hospital beds or place personal items on clinical equipment.
    - Avoid rough handling or misuse of manikins.
    - Do not use Betadine, dyes, markers, or ink pens in the simulation lab. Only pencils are allowed for notetaking.
    - Dispose all sharps in designated sharps containers. Sharps must not be removed from the simulation lab.

5. Safety, Cleanliness, and Incident Reporting

- Leave the simulation environment clean and organised after each use. This is the student's responsibility. The Simulation technician and the Clinical/Nursing faculty are there to support you.
- Food and drinks are not permitted in the simulation lab.

- Report all injuries, including clean needle sticks, immediately to the faculty and Simulation Lab staff, and proceed to fill the Incident Report form that you will collect at the school's office.

6. Respect for Learning and Feedback

- Participate in respectful and constructive feedback during debriefing sessions.
- Value peer contributions and engage in reflection as part of the learning process.

The Simulation Lab is a professional clinical training environment. Your conduct should reflect the standards of the healthcare profession, the values of the University, and the expectations of your future practice. Following these guidelines ensures a safe, respectful, and effective learning space for all.

REFERENCE:

International Nursing Association for Clinical Simulation and Learning (INACSL). (2021). INACSL standards of best practice: Simulation™. Clinical Simulation in Nursing, 58, 1–83. https://doi.org/10.1016/j.ecns.2021.08.016

CO-CURRICULAR ACTIVITY BENEFITS

Co-curricular activities in a university setting are structured, non-credit experiences that complement the academic curriculum by supporting students' intellectual, professional, and personal development. These activities, which may include student leadership, academic clubs, service-learning projects, health fairs, community or campus based health fairs and screenings, health promotion talks/presentations to various community groups and in various settings, research symposia, attendance at national events, and wellness programmes, are often aligned with institutional learning outcomes and designed to foster critical skills such as communication, teamwork, cultural competence, development of one's public persona and ethical reasoning. While not formally assessed, co-curricular engagement plays a vital role in preparing students for the demands of the workforce and active citisenship by enriching their educational journey beyond the classroom.

The activities may be campus or programme-specific.

- Students must be involved in various activities for no less than two (2) to three (3) semesters.
- Students must submit a signed activity sheet documenting the event to their Year/Class Coordinator, Academic Advisor, Clinical Instructor, or Programme Coordinator.
- The learning outcomes for each activity must be identified.
- The Office of Student Services will be engaged to administer awards relating to these activities. Documentation of these activities will form part of the student's record at the school and may be included in reference documents requested by students for application to various organisations and Councils.

Students enrolled in the BSc Nursing undergraduate degree programme may qualify for the following awards: Leadership Award, Volunteerism and Community Service Award, Professionalism in Practice Award, Peer Support and Mentorship Award, Resilience and Perseverance Award, Spirit of Nursing Award, and/or Student Ambassador or Campus Involvement Award.

Students enrolled in the Sport Academy undergraduate degree programmes are eligible for the following awards: Team Spirit and Collaboration Award; Excellence in Coaching and Mentorship Award; Wellness and Health Advocacy Award; Volunteerism in Sport Development Award; and/or Sportsmanship and Integrity Award.

Students enrolled in the BSc Pharmacy undergraduate degree programme may qualify for the following awards: Pharmacy Public Education Award; Professionalism in Patient Care Award; Innovation in Health Communication Award; Community Outreach and Volunteerism Award; Peer Mentorship in Pharmacy Award; and Pharmacy Advocacy and Leadership Award.

Students enrolled in the BSc Criminology and Criminal Justice undergraduate degree programme may qualify for the following awards: Justice and Advocacy Award; Public Safety and Community Engagement Award; Ethics and Integrity in Justice Award; Volunteer Service to At-Risk Communities Award; and/or Leadership in Criminal Justice Reform Initiatives.

PRECEPTORSHIP (INTERNSHIP) PERIOD POLICY

The preceptorship or internship period is expected to be in the final two semesters of Level 4. This is a rigorous assessment and involves working with the healthcare shift system. Students are assigned to a preceptor to assist them in transitioning into confident, skilled, professional practitioners.

Criteria before commencing the preceptorship period:

1. The student must successfully complete all courses in the program.
2. All required practicum and clinical hours must be achieved.
3. All required assignments, research projects, and clinical skills evaluations must be completed and submitted.
4. The internship period must be successfully completed for the student to be awarded a passing grade and meet graduation requirements.

REGISTRATION/EXAMINATIONS REGULATIONS

(a) Students will be examined during each semester and the summer session in the courses for which they are registered.

(b) A course may be examined by one or more of the following methods:

   (i) written examination papers
   (ii) Practical examinations
   (iii) coursework (which may include written in-course tests, practical work, dissertations, essays, projects, studies and other forms of coursework exercises as approved by the Faculty Board, or the Campus Committee on Examinations as appropriate).

(c) A student failing a course may subject to the rate of progress requirements of these Regulations be allowed to substitute another approved course in a subsequent semester or repeat the failed course.

(d) All optional courses (electives) listed in the various degree programmes in the Faculty Handbook will not necessarily be available in any one year.

(e) Deadlines for changes of registration including withdrawal from or addition of courses will be as prescribed in University Regulations.

(f) Registration for a course constitutes registration for the examination in that course.

(g) A student who does not take an examination in a course for which he/she is registered is deemed to have failed that examination unless permission to be absent has been granted.

(h) A student who, on grounds of illness or in other special circumstances as referred to in Examination Regulations fails to take an examination in a course for which he/ she is registered, may be given special consideration by the Board of Examiners to take examination at the next available opportunity, without penalty.

(i) Students are asked to pay special attention to Examination Regulation which states: “Any candidate who has been absent from the University for a prolonged period during the year for any reason other than illness or whose attendance at prescribed lecturers, classes, practical classes, tutorial or clinical instructions has been unsatisfactory or who has failed to submit essays or other exercises set by his teachers may be debarred by the relevant Academic Board, on the recommendation of the relevant Faculty Board, from taking any University examinations.”

LEAVE OF ABSENCE

(a) A candidate who for good reason wishes to be absent from an academic programme for a semester or more must apply for formal leave of absence to the Campus Faculty Board, through the appropriate Head of School stating the reason for the application.

(b) The length of such leave of absence, if granted, will be subject to approval by the Academic Board of the Campus concerned, but will not exceed one academic year in the first instance terminating at the end of the academic year for which the application is approved.

(c) Leave of absence will not be granted for more than two (2) consecutive academic years.

(d) Leave of absence may be granted for one semester or for an academic year.

(e) Applications for leave of absence for a semester shall normally be submitted by the end of the third week of the relevant semester.

(f) Applications for leave of absence for the academic year shall normally be submitted the end of the third week of semester I.

Note: Students who have been attending classes and then apply for Leave of Absence after the deadline date are liable for payment of full tuition fees for the semester/ academic year whether they sit examinations or not.

WITHDRAWAL

(a) A student whose GPA for a given semester is less than or equal to 2.00 shall be deemed to be performing unsatisfactorily and shall be placed on warning. A student on warning whose GPA for the succeeding semester is less than 2.00 will be 'Required to Withdraw' (RTW).

(b) A candidate who has been required to withdraw from the Faculty/School may apply to the Faculty/ School for re-admission one (1) year after withdrawal. Each case will be considered on its own merit, but will only succeed if the Faculty/School is satisfied that the circumstances attending the reasons for the withdrawal have been altered substantially.

(c) Students thus admitted to a Faculty may in accordance with its regulations be granted exemption from Level I courses subject to there being no change in the content of the courses and provided that no more than five (5) years have elapsed since the date of withdrawal. Level II University courses, for the purposes of exemption may be treated in the same way as Level I Faculty/School courses.

(d) Students from one (1) Faculty/School who had been required to withdraw from the University for failing to complete their degree programme within the stipulated period may be admitted to another Faculty/School after a minimum period of one (1) year has elapsed since their withdrawal. Such students may be granted exemption from Level I courses relevant to the new programme subject to regulations (b) and (c) above.

AWARD OF DEGREES

NOTIFICATION OF RESULTS

For those candidates who have completed the requirements of the B.Sc. degree a pass list shall be published and arranged alphabetically in the following categories:

- First Class Honours
- Second Class Honours
- Upper Division
- Lower Division
- Pass

GRADE POINT AVERAGE (GPA) REGULATIONS

(i) First Degrees awarded by the University shall be classified as follows:

- First Class Honours (Weighted GPA 3.60 and above)
- Upper Second Class Honours (Weighted GPA 3.00 – 3.59)
- Lower Second Class Honours (Weighted GPA 2.50 – 2.99)
- Pass (Weighted GPA 2.00 – 2.49)

(ii) Award of Honours in GPA System: Honours shall be awarded taking into account all Level II and Level III courses, excluding the Foundation courses.

(iii) The letter grades for completed courses used in the calculation of GPA shall be the following:

REVISED AUGUST 2020 - GRADING POLICY		
GRADE	QUALITY POINTS	MARK%
A+	4.30	90-100
A	4.00	80-89
A-	3.70	75-79
B+	3.30	70-74
B	3.00	65-69
B-	2.70	60-64
C+	2.30	55-59
C	2.00	50-54
F1	1.70	40-49
F2	1.30	30-39
F3	0	0-29

(iv) The following designations may be assigned, but shall not be used in the calculation of Grade Point Average:

PC: Preliminary Credits - used for matriculation purposes or the satisfying of prerequisites only

EX: Exemption

EI: Examination Irregularity – Candidate disqualified from examination on account of breach of the Regulations

EQ: Examination Query

(v) The following designations may be assigned and shall count towards the GPA:

FA: When a student is absent from an examination without a valid reason

FC: Failed Coursework – indicates that a candidate has failed to satisfy the Examiner in the coursework component of the course

FE: Failed Examination – when a candidate has successfully completed the coursework requirement but has failed to satisfy the Examiners in the examination component of the course

AM: Absent Medical

IM: Incomplete Medical

V: Audited - when the course has been taken in accordance with Regulation 14

NV: When a student has been permitted to audit a course but has not done so satisfactorily

P: A pass obtained in a course taken on a Pass/Fail basis

F: Fail

ANP: Absent No Penalty - when a student is absent from an examination for acceptable reasons other than medical reasons

I: Incomplete - indicated that the student has made progress in a course but at the end of the semester has not finished the work required to receive a letter grade. An I designation is not counted in credit hours earned, or quality hours until a letter grade is reported. If neither a letter grade nor notification of an extension of time is received by the Registry from the Office of Dean, the 'I' designation is replaced by an F letter grade at the end of the first six weeks into the next semester. An extension of time may be granted but shall not normally extend beyond the end.

NR: Not Reported - Grade not yet available.

IP: In Progress - when a dissertation, thesis, project, student teaching, practicum, internship, proficiency requirement, or other course intended to last more than one semester is not completed during the semester in which the student is registered. The IP designation must be replaced with an appropriate grade on completion of the course.

(vi) The courses to be used for the purpose of determining the Weighted GPA for the class of degree to be awarded shall be as prescribed in School Regulations.

(vii) Where a course has been repeated, the penalty to be applied for failure and the grade to be used in the computation of the student's GPA if the course is subsequently passed, shall be as prescribed in School Regulations.

(viii) For the purpose of determining the Weighted GPA, failed courses shall be treated as prescribed in School Regulations.

(ix) Where credit for a course taken at another institution is requested, it is the student's responsibility to provide all the information needed by the University to enable it to assess the course.

(x) Credit hours earned from another institution at the time of admission to The University of the West Indies will not be used in the computation of a grade point average.

(xi) The following shall apply to credits earned by a UWI undergraduate from another approved institution:

(xii) A UWI student who wishes to take academic courses elsewhere and apply those credits toward The UWI degree must obtain approval in advance from the relevant Academic Board on the recommendation of the Board of the School in which he/she is registered.

(xiii) A student must have obtained a minimum UWI GPA of 3.00 to be approved to take courses as an exchange/transfer student.

(xiv) Only the grade equivalent as determined by the Board for Undergraduate Studies of the results achieved and not the marks or grades so earned at another institution shall be used in the computation of the student's GPA.

(xv) Except where otherwise prescribed in School Regulations, a student whose GPA for a given semester is less than or equal to 2.00 shall be deemed to be performing unsatisfactorily, and shall be placed on warning. A student on warning whose GPA for the succeeding semester is less than 2.00 will be required to withdraw. However, a student may be reinstated if his/her GPA improves beyond 2.00 by credits obtained in Summer School. The credits would be rolled in to the GPA of the preceding semester of the academic year.

(xvi) A student on warning shall be counselled by the Director of Academic Affairs or Head of School or a designated school advisor. Such a student may, except where otherwise prescribed in School Regulations, be permitted by the Academic Board on the recommendation of School Board to carry a reduced course load.

(xvii) A registered student may be permitted to audit a course on the approval of the Director of Academic Affairs and the Head of School. Auditing means recorded attendance at the lectures, tutorials and laboratory sessions for a given course without the requirement of sitting the final exam. Satisfactory attendance certified by the Head of School shall be awarded the designation V. In absence of such certification, the designation NV shall be recorded.

(xviii) No academic credit may be granted for auditing a course.

(xix) A student who voluntarily withdraws from the University and who applies for readmission within five (5) years shall be granted exemption and credit for courses previously passed, subject to the time limit for the maintenance of credits stipulated in the relevant School Regulations and subject to the stipulation that the courses previously passed are not determined by the Board of the relevant School to be obsolete.

(xx) Where exemption and credit are granted in accordance with (i), the grades obtained at previous attempts at such courses shall be used in the determination of the student's GPA.

(xxi) A student who was required to withdraw for reasons of failure to progress, as prescribed in School Regulations, may be readmitted on the following conditions: (i) A minimum of one (1) year must have passed since the date of withdrawal; (ii) All grades previously obtained shall continue to apply for the purpose of determining the student's GPA; (iii) Work done during the period between the student being required to withdraw and being granted readmission may be eligible for credit under Regulation 11.

(xxii) Where there is a conflict between School Regulations and these regulations, these Regulations shall apply.

REVISED GRADE DEFINITIONS W.E.F. 1 AUGUST 2020

GRADE	% GRADE	GRADE RANGE	POINT DEFINITION	GRADE DESCRIPTION
A+	90-100	4.3	Exceptional	Demonstrates exceptional performance and achievement in all aspects of the course. Exceptional application of theoretical and technical knowledge that demonstrates achievement of the learning outcomes. Goes beyond the material in the course and displays exceptional aptitude in solving complex issues identified. Achieves the highest level of critical, compelling, coherent and concise argument or solutions within the course.
A	80–89	4.0	Outstanding	Demonstrates outstanding integration of a full range of appropriate principles, theories, evidence and techniques. Displays innovative and/or insightful responses. Goes beyond the material with outstanding conceptualisation, which is original, innovative and/or insightful. Applies outstanding critical thinking skills.
A-	75-79	3.7	Excellent	Demonstrates excellent breadth of knowledge, skills and competencies and presents these in appropriate forms using a wide range of resources. Demonstrates excellent evidence of original thought, strong analytical and critical abilities; excellent organisational, rhetorical and presentational skills.
B+	70-74	3.3	Very Good	Demonstrates evidence of very good critical and analytical thinking skills 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 range of appropriate resources. Consistently applies very good theoretical and technical knowledge to achieve the desired learning outcomes.
B	65-69	3.0	Good	Demonstrates good knowledge, rhetorical and organisational skills. Good insight into the material and a good use of range of appropriate resources. Good integration of a range of principles, techniques, theories, and evidence.
B-	60-64	2.7	Satisfactory	Displays satisfactory evidence of the application of theoretical and technical knowledge to achieve the desired learning outcomes.
C+	55-59	2.3	Fair	Demonstrates fair breadth and depth of knowledge of main components of the subject. Fair evidence of being able to assemble some of the appropriate principles, theories, evidence and techniques and to apply some critical thinking.

GRADE	% GRADE	GRADE RANGE	POINT DEFINITION	GRADE DESCRIPTION
C	50-54	2.0	Acceptable	Demonstrates acceptable application of theoretical and technical knowledge to achieve the minimum learning outcomes required in the course. Displays acceptable evidence of critical thinking and the ability to link theory to application.
F1	40-49	1.7	Unsatisfactory	Demonstrates unsatisfactory application of theoretical and technical knowledge and understanding of the subject. Displays unsatisfactory ability to put theory into practice; weak theoretical and reflective insight. Unsatisfactory critical thinking organisational and rhetorical skills.
F2	30-39	1.3	Weak	Weak overall performance with very limited knowledge and understanding of the subject. Little evidence of theoretical and reflective insights. Weak organisational and rhetorical skills.
F3	0-29	0	Poor	Overall poor or minimal evidence of knowledge and understanding of the subject. Displays little ability to put theory into practice; lacks theoretical and reflective insights. Incomplete breadth and depth of knowledge on substantive elements of the subject. Little or no evidence or critical engagement with the material. Responses are affected by irrelevant sources of information, poor organisational and rhetorical skills.

PROGRAMME OFFERINGS

THROUGH THE SCHOOL OF HEALTH AND BEHAVIOURAL SCIENCES

BACHELOR OF SCIENCE (BSC) IN NURSING

The Bachelor of Science degree in nursing is awarded on the basis of a programme of study comprising a total of not less than 139 credits in courses covering both theory and practice and will be offered on full-time basis.

Each course normally extends over not more than one (1) semester, but in some cases may extend over two (2) semesters.

In order to be eligible for the award of the degree, candidates must have obtained passes in courses equivalent to a minimum of one hundred and thirty-nine (139) credits from Levels I, II, III and IV, as follows:

LEVEL	CREDITS
Level 1	42
Level 2	38
Level 3	31
Level 4	28
Total	**139**

All nursing courses are compulsory. Currently, courses from levels 2-4 are calculated in the degree GPA. All students must complete the foundation courses listed in the programme plan. The general elective must be selected from any Level 2 course or above that does not require a prerequisite. Students must aim to complete this elective on or before the summer of Year 3.

PROGRAMME STRUCTURE

COURSE CODES	COURSE NAME	CREDITS
	YEAR 1: SEMESTER I	
PSYC1000	Introduction to Psychology: Development, Social, Abnormal	3
NURS1108	Human Anatomy & Physiology 1	3
NURS1014	Biochemistry	3
NURS1111	Microbiology	3
FOUN1006 OR	Exposition for Academic Purpose	3
FOUN1008	An Introduction to Professional Writing	
FOUN0100	Fundamentals of Written English	0
FOUN1101	Caribbean Civilisation	3
	TOTAL CREDITS	***18***
	YEAR 1: SEMESTER II	
NURS1109	Anatomy and Physiology 2	3
NURS1113	Epidemiology	3
NURS1114	Health Informatics	3

COURSE CODES	COURSE NAME	CREDITS
SOCI1002	Introduction to Sociology	3
SOCI1005	Introductory Statistics for the Behavioural Sciences	3
FOUN1301 OR	Law Governance, Economy & Society in the Caribbean	3
SPAN0101	Beginners Spanish	
	TOTAL CREDITS	***18***
	YEAR 1: SUMMER	
NURS1013	Nutrition	3
NURS1017	Principles of Life Support and First Aid	3
	Total credits	6
	TOTAL CREDITS YEAR 1	***42***
	YEAR 2: SEMESTER I	
NURS2015	Introduction to Professional Nursing	3
NURS2019	Concepts Applied to Nursing	3
NURS2117	Health Assessment	3
NURS2118	The Nursing Process	3
NURS2124	Human Pathophysiology	3
NURS2112	Patient and Healthcare Worker Safety	3
	TOTAL CREDITS	***18***
	YEAR 2: SEMESTER II	
NURS2010	Pharmacology	3
NURS2011	Health Promotion	3
NURS2020	Concepts Applied to Nursing Clinical Practicum	3
NURS2213	Nursing Care of Adults	4
NURS2016	Diet Therapy	3
	TOTAL CREDITS	***16***
	YEAR 2: SUMMER	
NURS2214	Nursing Care of Adults Clinical Practicum	4
	TOTAL CREDITS	***4***
	TOTAL CREDITS YEAR 2	***38***
	YEAR 3: SEMESTER I	
NURS3015	Nursing Care of Older Adults	3
NURS3016	Nursing Care of Older Adults Clinical Practicum	3
NURS3136	Mental Health Clinical Practicum	3
NURS3137	Mental Health Nursing Clinical Practicum	3
NURS3030	Research Methodology	3

COURSE CODES	COURSE NAME	CREDITS
	FREE/GENERAL ELECTIVE	3
	TOTAL CREDITS	***18***
	YEAR 3: SEMESTER II	
NURS3000	Parent-Child Nursing	3
NURS3001	Parent-Child Nursing Clinical Practicum	4
NURS3019	Community Health Nursing	3
	FREE/GENERAL ELECTIVE (IF NOT COMPLETED)	
	TOTAL CREDITS	***10***
	YEAR 3: SUMMER	
NURS3020	Community Health Nursing Clinical Practicum	3
	FREE/GENERAL ELECTIVE (IF NOT COMPLETED)	
	TOTAL CREDITS	***3***
	TOTAL CREDITS YEAR 3	***31***
	YEAR 4: SEMESTER I	
NURS4010	Nursing Care of Children & Adolescents	3
NURS4011	Nursing Care of Children & Adolescents Clinical Practicum	4
NURS4014	Research Project	3
NURS4012	Nursing Care of Patients in Specialised Care Settings	3
	TOTAL CREDITS	***13***
	YEAR 4: SEMESTER II	
NURS4015	Leadership and Management in Nursing	3
NURS4016	Leadership and Management in Nursing Clinical Practicum	4
NURS4013	Nursing Care of Patients in Specialised Care Settings Clinical Practicum	4
	TOTAL CREDITS	***11***
	YEAR 4: SUMMER	
NURS4017	Clinical Internship	4
NURS4018	Senior Nursing Review	0
	TOTAL CREDITS	***4***
	TOTAL CREDITS YEAR 4	***28***
	TOTAL PROGRAMME CREDITS	***139***

COURSE DESCRIPTIONS FOR COURSES IN THE BSC NURSING PROGRAMME

Course Title: BIOCHEMISTRY
Course Code: NURS 1014
Course Credits: 3 Credits
Course Description: An understanding of the concepts of biochemistry necessary for an appreciation of the body's biochemical reactions, thus enabling nurses to relate the knowledge of biochemistry to wellness and illness. The course also allows the student to explore biochemical reactions affecting homeostasis and discuss concepts and functions pertinent to the human body's chemistry.

Course Title: CARIBBEAN CIVILISATION
Course Code: FOUN 1101
Course Credits: 3 Credits
Course Description: This course is designed to give students a survey of the Caribbean's history and culture, commencing with the arrival of the Neo-Indian peoples (ca. 5000 BCE) through to the present-day Caribbean. The course stresses the commonality of the region, comprising more than individual island nations or linguistic groups. The idea of civilisation is key to comprehending the Caribbean's progression through time and will play an important role in understanding the cultural, economic, social and intellectual trends and their supportive institutions that have emerged in the Caribbean. While the course focuses on the similarities in the Caribbean, it also highlights the differences that have emerged because of colonialism, demography, climate and historical progress. The course aims to stimulate students' interests in the concept of a Caribbean civilisation and places it within the context of understanding their individual lives and the lives of those around them.

Course Title: COMMUNITY HEALTH NURSING
Course Code: NURS 3019
Course Credits: 3 Credits
Course Description: This course introduces the student to the foundations of community-based nursing, focusing on health of the family and community. Principles, theories, and concepts of community health are utilised to generate an understanding of the roles and functions of community health nurses. Cultural, lifestyle, socioeconomic, environmental, epidemiological influences and community resources on health promotion and protection in individuals, families and communities are examined. The related clinical practicum is provided in Community Health Nursing Clinical Practicum.

Course Title: COMMUNITY HEALTH NURSING CLINICAL PRACTICUM
Course Code: NURS 3020
Course Credits: 3 Credits
Course Description: This course focuses on community health and community health nursing in the community. Guided clinical experiences are provided at selected community-based agencies and organisations to enable students to assess the health of a community, practice health teaching, and observe the role of members of the health team in the practice environments. Students will demonstrate progressive independence in selected areas of experience in the community.

Course Title: CLINICAL INTERNSHIP
Course Code: NURS 4017
Course Credits: 4 Credits
Course Description: This clinical internship course provides students the opportunity for integration and synthesis of previous knowledge, skills and professional role behaviors acquired in the B.Sc.N program. The experience will bridge the gap between undergraduate education and 'real-life' professional nursing practice, by assisting the student to transition to an independent, competent professional. The student will be supported in consolidation of clinical and leadership skills to work collaboratively within a multidisciplinary team. The practicum experience will also allow students to analyse the broad gender, cultural, environmental, socio-economic, and political systems that contribute to health status and outcomes, health policies, and health care delivery.

Course Title: CONCEPTS APPLIED TO NURSING
Course Code: NURS 2019
Course Credits: 3 Credits
Course Description: This course introduces the student to basic nursing skills. It focuses on concepts of caring, body image, pain, loss, grief and the grieving process, dying and death, immobility and chronicity. The student is introduced to hospitalisation and the nurse's responsibility in relation to surgical interventions is also examined.

Course Title: CONCEPTS APPLIED TO NURSING CLINICAL PRACTICUM
Course Code: NURS 2020
Course Credits: 3 Credits
Course Description: This course provides an opportunity for students to implement selected basic nursing skills relative to the course Concepts Applied to Nursing in acute care and community settings. The focus of the course is to assist students develop competence and confidence in the application of basic skills prior to progressing to more advanced clinical nursing courses. Basic clinical skills are practiced in the Clinical Learning Centre (Nursing Skills Laboratory) prior to engaging in clinical experience in the health care and community settings.

Course Title: DIET THERAPY
Course Code: NURS 3018
Course Credits: 3 Credits
Course Description: The focus of this course is dietary management of common nutritional problems found in individuals, families and communities in Jamaica. Emphasis will be placed on the dietary management of individuals with diabetes mellitus, cardiovascular and renal diseases, malnutrition, burns, and obesity. Diet management is applied throughout the respective nursing courses.

Course Title: EPIDEMIOLOGY
Course Code: NURS 1113
Course Credits: 3 Credits
Course Description: This course introduces the student to the key concepts of epidemiology. It examines the modes of disease transmission characteristics of communicable diseases, methods of prevention, at the local, regional and international levels.

Students will be guided in the identification of sources of data, the use of appropriate measures of calculations, the analysis and interpreting of data and the application of findings to infection prevention and control.

Course Title: PRINCIPLES OF LIFE SUPPORT & FIRST AID
Course Code: NURS 3017
Course Credits: 3 Credits
Course Description: This course provides students with the knowledge of the principles of managing first aid in emergency situations in the home, community and health care facilities.
Course Title: HUMAN ANATOMY & PHYSIOLOGY 1
Course Code: NURS 1108
Course Credits: 3 Credits
Course Description: An organ to system approach, the correlation between anatomical structure and physiological functions, the interaction of chemicals, tissues, organs and organ systems in the maintenance of homeostasis is presented in this course. The course is divided into two parts. Part 1 introduces anatomy and physiology and focus on the integumentary, musculo-skeletal, nervous, endocrine, and respiratory systems. Human Anatomy and Physiology II covers the remaining body systems, and is taught in the second semester. Laboratory exercises are included in both courses.

Course Title: HUMAN ANATOMY AND PHYSIOLOGY II
Course Code: NURS 1109
Course Credits: 3 Credits
Course Description: A continuation of Human Anatomy and Physiology 1. The course examines the structure and function of the cardiovascular, lymphatic, digestive, urinary, and reproductive systems. Laboratory exercises will allow the students to focus on the examination of selected parts of these systems through histological and skeletal preparations.

Course Title: HEALTH INFORMATICS
Course Code: NURS 1114
Course Credits: 3 Credits
Course Description: This course introduces the student to health informatics. Emphasis is placed on current trends and concerns in information management in healthcare including legal, social, cognitive and economic issues. It also links information with the utilisation of technology to support nursing practice and assists learners to contribute to the development of information systems to promote quality in nursing care. Students will apply critical thinking skills to examine the various ways in which technology can support evidence-based information to improve the quality of nursing care.

Course Title: HEALTH PROMOTION
Course Code: NURS 2011
Course Credits: 3 Credits
Course Description: This course explores concepts of health, primary health care, health promotion, health protection and illness prevention throughout the lifespan. It introduces the student to factors influencing health and wellness and the strategies for

promotion and maintenance of health in the individual, family, and community. Concepts, models and strategies of health promotion including international, regional and national policies, charters and declarations, as well as issues and barriers to health promotion are explored. Jamaica's perspective on health policy in general and specifically as it relates to health promotion is analysed.

Course Title: HUMAN PATHOPHYSIOLOGY
Course Code: NURS 2124
Course Credits: 3 Credits
Course Description: A study of the structural and physiological changes occurring in the body as a result of disease processes. The course introduces students to the concepts of abnormality and provides information on the sequel of diseases, alterations in body structure, body functions, and related clinical manifestations.

Course Title: INTRODUCTION TO PROFESSIONAL NURSING
Course Code: FOUN 1008
Course Credits: 3 Credits
Course Description: This course introduces students to the evolution of nursing and the practice of nursing. It examines the theories of nursing, nursing as a profession and the requirements for practicing as a Registered Nurse. The historical, philosophical, scientific, ethical and legal bases for the profession are explored. Students will critically analyse the influence of religious, military, socioeconomic, geopolitical, legislative, technological, scientific and organisational factors on the development of the profession. The impact of nursing legends on the advancement of nursing locally, regionally and internationally will also be explored.

Course Title: INTRODUCTION TO PSYCHOLOGY: DEVELOPMENTAL, SOCIAL, ABNORMAL
Course Code: PSYC 1000
Course Credits: 3 Credits
Course Description: This is an introductory level or foundational survey course, which provides an introduction to psychology. Psychology is a discipline concerned with human thought, emotion, and behavior. The science and practice of psychology are based on knowledge developed from both human and animal research. The course will therefore introduce many key topics, and specifically those in the sub-fields of developmental, abnormal, and social psychology. After a brief introduction to the history of the discipline and the research methods that provide the foundation for psychological investigation and knowledge building, the focus will be on the subareas of developmental, personality, and social psychology. Students will be able to appreciate the similarities and differences among these three sub-areas after completing PSYC1000/PS 10A.

Course Title: INTRODUCTORY STATISTICS FOR THE BEHAVIORAL SCIENCES
Course Code: SOCI 1005
Course Credits: 3 Credits
Course Description: This course aims to introduce students to basic univariate and bivariate statistics. A student who successfully completes this course will possess a reasonable level of knowledge of basic statistics and their interpretations.

Course Title: LEADERSHIP & MANAGEMENT IN NURSING
Course Code: NURS 4015
Course Credits: 3 Credits
Course Description: This course explores basic management and leadership concepts, theories, processes and systems, and their application to the health care system. It prepares the graduates for assuming leadership and management roles as first line managers within the social, legal and economical contexts of a fiscally constrained health service. The role of the nurse as a supervisor, leader, change agent and manager is emphasised. Current issues, opportunities and challenges for nursing leadership in different nursing, community and organisational venues are included.

Course Title: LEADERSHIP & MANAGEMENT IN NURSING CLINICAL PRACTICUM
Course Code: NURS 4016
Course Credits: 4 Credits
Course Description: The application of the concepts and theories of the Leadership and Management in nursing course to the management of patient care units. All previously learned knowledge and skills will be integrated in the practicum. Students will apply leadership skills and patient care management theories in managing patient care units.

Course Title: MENTAL HEALTH NURSING
Course Code: NURS 3136
Course Credits: 3 Credits
Course Description: This course focuses on mental health, as well as the basic psychopathology of mental disorders of individuals and families throughout the lifecycle who are experiencing varying states of mental health. The environmental influences affecting the mental health of the individual are examined within the context of the family and/or community. The nurse/patient relationship is emphasised as the foundation for therapeutic communication and nursing interventions. Collaboration with other health team members and/ or community resources is explored as a way to address the needs of the individual and family using various treatment modalities. Students are expected to apply critical thinking skills and evidence-based knowledge to patient situations in the clinical settings during the Mental Health Nursing Clinical Practicum course.

Course Title: MENTAL HEALTH NURSING CLINICAL PRACTICUM
Course Code: NURS 3137
Course Credits: 3 Credits
Course Description: This practicum emphasises mastery in the application of the nursing process in caring for individuals across the life cycle, families and communities with mental health problems. It engages the students in independent and supervised evidence-based practice specific to mental health nursing, Interpersonal relationship, critical thinking and problem-solving skills are considered pivotal to efficient and accurate assessing, planning, implementing and evaluating therapeutic nursing interventions in the clinical settings, both hospitals and community health facilities.

Course Title: MICROBIOLOGY
Course Code: NURS 1111
Course Credits: 3 Credits
Course Description: An introduction to the history of microbiology, eukaryotic and prokaryotic cell structure and taxonomy. The course also covers the diversity of microbes, 39 as well as their nutritional needs, growth and reproduction. In addition, the course focuses on the control of microbes by physical and chemical agents, microbial ecology, pathogenicity, immunity and immune response. Laboratory exercises are included.

Course Title: NURSING CARE OF ADULTS (19-64 YRS.)
Course Code: NURS 2213
Course Credits: 4 Credits
Course Description: This course focuses on common health problems affecting the adult (ages 19-64 years). It facilitates students' development of an evidence-based framework to inform nursing practice in caring for adults along the wellnessillness continuum. The course engages students' critical thinking in decisionmaking to deliver nursing care in various clinical settings. Emphasis is placed on the nursing process as central to patient-focused care. The ethical and legal frameworks will be integrated into the caring approach to care.

Course Title: NURSING CARE OF ADULTS (19-64 YRS.) CLINICAL PRACTICUM
Course Code: NURS 2214
Course Credits: 4 Credits
Course Description: This clinical practicum course focuses on safe, ethical and legal care of the adult (19-64 years) patient in all health care settings. It provides the student with foundational clinical experiences necessary for the management of adult health, including health promotion, illness prevention and treatment, utilising the nursing process, critical thinking and evidence-based practice in the assessment and management of adult patients with common health conditions of related body systems.

Course Title: NURSING CARE OF OLDER ADULTS
Course Code: NURS 3015
Course Credits: 4 Credits
Course Description: This course critiques and applies social and biological theories of ageing (65 years and over) and psychosocial models of growth and development to the study of older adults in a variety of acute and long-term care, and community facilities. It focuses on factors, which encourage healthy ageing. Epidemiological, demographic and socio-economic determinants are explored, as well as issues and implications of physiological, emotional and psychological changes and community initiatives and resources. International and national declarations and standards are applied to meet the needs of the older adult patient.

Course Title: NURSING CARE OF OLDER ADULTS CLINICAL PRACTICUM
Course Code: NURS 3016
Course Credits: 3 Credits
Course Description: The application of health and nursing concepts and theories in the care of the

older adult patient and family. Emphasis is on practicing interdisciplinary health care and advocacy in order to promote health and prevent illness, disability and disease of the older adult. The role of the nurse in assisting the older adult to maintain wellness and minimise effects of chronic conditions is also stressed.

Course Title: NURSING CARE OF CHILDREN & ADOLESCENTS
Course Code: NURS 4010
Course Credits: 3 Credits
Course Description: This course focuses on common health conditions affecting children and adolescents (ages 0-18). It facilitates students' development of a sound, evidence-based framework to inform nursing practice in caring for children, adolescents and their families along the wellness-illness continuum. The course will engage students' critical thinking in decision-making to deliver nursing care in various clinical settings. Particular emphasis is placed on the unique developmental needs of each age group and on the ethical and legal aspects that are relevant to pediatric nursing. Students will utilise the nursing process as the central component to patient-focused care and the ethical/ legal framework will be integrated into caring and approaches to care. The Nursing Care of Children and Adolescents Clinical Practicum course provides related integrated clinical experience.

Course Title: NURSING CARE OF CHILDREN & ADOLESCENTS CLINICAL PRACTICUM**Course Code:** NURS 4011
Course Credits: 4 Credits
Course Description: This practicum course concentrates on health maintenance and the prevention of illness and care of the child 1 month to 18 years with common health problems. The practicum provides opportunities for students to provide nursing care that is adapted to the unique health and developmental needs of children and their families in Jamaica. Additionally, the practicum promotes critical thinking and application of evidence-based practice to nursing care management along the wellness-illness continuum, unique to the named stages of human development in the clinical settings.

Course Title: NURSING CARE OF PATIENTS IN SPECIALISED CARE SETTINGS
Course Code: NURS 4012
Course Credits: 3 Credits
Course Description: This course provides information on the organisation, structure, functions, personnel and care of patients in the specialised units, namely the Accident and Emergency/ Trauma Management, Operating Theatre, Recovery Room, and Intensive Care Unit. Disaster preparedness and emergency management are also included.

Course Title: NURSING CARE OF PATIENTS IN SPECIALISED CARE SETTINGS CLINICAL PRACTICUM
Course Code: NURS 4013
Course Credits: 3 Credits
Course Description: This course enables the student to integrate and consolidate acquired knowledge and skills and to gain practical experiences in the areas covered in the Nursing Care of Patients in Specialised Care Settings course.

Course Title: NUTRITION
Course Code: NURS 1013
Course Credits: 3 Credits
Course Description: This course introduces the students to the principles of human nutrition and current dietary trends across the lifecycle. It emphasises nutrients, food sources and functions in the body, nutrients and the relationship to health throughout the lifespan of the Caribbean people with a focus on Jamaica. Content includes cultural and economic influences on dietary practices.

Course Title: PARENT-CHILD NURSING
Course Code: NURS 3000
Course Credits: 3 Credits 41
Course Description: This course focuses mainly on the childbearing family and specifically on healthy mothers and well neonates. It engages the student in critical thinking and application of evidence-based practice in parent and child health. It prepares students to demonstrate caring in delivering appropriate and effective nursing care to the parents during the normal pre-pregnancy period, parental and fetal health during pregnancy, labour, delivery and the puerperium. Emphasis is placed on fetal and neonatal transitions and neonatal life. Social, cultural, traditional and contemporary influences, sexuality, parenting and family life, gender issues, ethical and legal issues are explored as are health education, health promotion and family planning. Students will spend time in the clinical settings observing and providing ethical and legal care for the childbearing family. Related clinical practicum skills are provided in the associated Parent Child Nursing Clinical Practicum.

Course Title: PARENT-CHILD NURSING CLINICAL PRACTICUM
Course Code: NURS 3001
Course Credits: 4 Credits
Course Description: This course provides the experience for the student to integrate theory and skills in the nursing interventions for parental and foetal health during pregnancy, childbirth and the post-partum periods, and the neonate up to 28 days of life. Practice settings include inpatient hospital settings, health care centres/clinics, as well as supportive community agencies.

Course Title: PATIENT & HEALTH CARE WORKER SAFETY
Course Code: NURS 2112
Course Credits: 3 Credits
Course Description: This theory and clinical practice course provides the student with key concepts and principles of infection prevention and control, injection safety, and blood safety, which are fundamental to safe nursing practice.

Course Title: PHARMACOLOGY & THERAPEUTICS IN NURSING
Course Code: NURS 2010
Course Credits: 3 Credits
Course Description: This course introduces the student to pharmacological sciences with respect to drug origin and administration. It exposes students to the legal and ethical responsibility and accountability inherent in the nursing functions related to the administration of drugs, as well as the cultural, social and psychological aspects

of drug therapy. Emphasis is placed on safety and accuracy in administering prescribed medication dosages to persons throughout the life cycle and along the wellness-illness continuum. Part 1 gives the history of pharmacology. The classification of drugs, their actions in the body and their therapeutic use is covered in Part 2.

Course Title: RESEARCH METHODOLOGY
Course Code: NURS 3030
Course Credits: 3 Credits
Course Description: This course exposes the students to the scientific method of enquiry and its relevance in investigating phenomena in health care. It engages students in critical thinking to critique published research findings and theoretical frameworks that have applicability to nursing practice. The course facilitates the development of students' competencies in using the research process; using inferential statistics and transferring evidence-based knowledge 42 to practice. The course also exposes students to ethical frameworks for conducting research and using evidence-based knowledge.

Course Title: CLINICAL INTERNSHIP
Course Code: NURS 4017
Course Credits: 3 Credits
Course Description: This course provides students with mentorship and supervision in using the research process and evidence-based approach to conduct of a small research study using the proposal developed in Research Methodology. Students are expected to collect data using an approved instrument, analyse and interpret data and write a project report. This small study observes the scientific rigor of larger studies.

Course Title: SENIOR NURSING REVIEW
Course Code: NURS 4018 Course Credits: 0 Credits
Course Description: The focus of this senior review is the preparation for the Regional Examination for Nurse Registration (RENR). The review will cover all courses taught in the curriculum. Students will be provided with an overview of the RENR process, as well as strategies for preparation for, and sitting of the examination. There will be a mock examination and a period for remedial work if necessary.

Course Title: SOCIOLOGY FOR THE CARIBBEAN
Course Code: SOCI 1002
Course Credits: 3 Credits
Course Description: This course provides an introduction to the problems, issues, themes and main ideas of sociology. It is intended to provide basic social facts about the Caribbean and other similar developing societies, and to enable students to adopt a scientific approach to understanding and interpreting social phenomena. Sociology for the Caribbean lays the foundation upon which advanced academic work in sociology and the other social sciences can be built. Furthermore, the course enables students to tackle contemporary policy problems in a theoretically and empirically informed manner.

Course Title: THE NURSING PROCESS
Course Code: NURS2118
Course Credits: 3 Credits
Course Description: This course introduces the student to the nursing process and health assessment of well individuals throughout the lifecycle. The nursing process framework is used for interviewing, data collection and performing physical assessment. Opportunities are provided for students to engage critical thinking skills in data collection and health assessment with healthy individuals of all ages through interviewing and performing physical examinations. The importance of cultural, gender and religious diversity in health assessment and the provision of health and nursing care are introduced.

Course Title: HEALTH ASSESSMENT
Course Code: NURS 2117
Course Credits: 3 Credits
Course Description: This course introduces the student to health assessment of well individuals throughout the lifecycle. Opportunities are provided for students to engage critical thinking skills in data collection and health assessment with healthy 43 individuals of all ages through interviewing and performing physical examination. The importance of cultural, gender and religious diversity in health assessment and the provision of health and nursing care are introduced.

BACHELOR OF SCIENCE (BSC) GENERATIVE PHARMACY DEGREE PROGRAMME

The Generative Pharmacy Program is designed to provide students with a comprehensive education in pharmaceutical sciences, preparing them for a rewarding career in the pharmaceutical industry, healthcare, research, or academia. This innovative program integrates traditional pharmaceutical education with emerging trends in the field, equipping graduates with the skills and knowledge needed to excel in a rapidly evolving healthcare landscape of artificial intelligence.

PROGRAMME STRUCTURE

COURSE CODES	COURSE NAME	CREDITS
	YEAR 1: SEMESTER I	
PHAR 1201	Pharmacy Practice I (Introduction to Pharmacy) (YL)	3
PHAR 1204	Integrated Basic Health Sciences I (Anatomy and Physiology I)	4
PHAR 1208	Introduction to Programming	3
PHAR 1202	Pharmaceutical Chemistry (YL)	3
FOUN 1101	Caribbean Civilisation	3
FOUN 0100	Fundamentals of Written English	0
FOUN 1006*	Exposition for Academic Purposes	3
	TOTAL CREDITS	***19***
	YEAR 1 SEMESTER 2	
PHAR 1201	Pharmacy Practice I (Pharmacy Calculations)	2
PHAR 1202	Pharmaceutical Chemistry (YL)	3
PHAR 1205	Integrated Basic Health Sciences II (Biochemistry)	3
PHAR 1206	Integrated Basic Health Sciences III (Anatomy and Physiology II)	4
PSYC 1001	Introduction to Psychology	3
PECH 1101	Communication Principles for Effective Health care	3
FOUN 1301	Law, Governance, Economy, and Society in the Caribbean	3
	TOTAL CREDITS	***22***
	YEAR 1 SUMMER	
PHAR 2105	Microbiology, Immunology and General Pathology	3
PHAR 1220	Basic AI Algorithms and Tools	3
	TOTAL CREDITS	***6***
	TOTAL CREDITS YEAR 1	***47***

COURSE CODES	COURSE NAME	CREDITS
	YEAR 2: SEMESTER 1	
PHAR 2209	Pharmacology (YL)	3
PHAR 2212	Pharmaceutics I (Dosage form Designs)	3
PHAR 2202	Medicinal Chemistry (YL)	3
GRPH 2002	Global Perspectives in Pharmacy Practice	3
GRPH 2004	Introduction to AI Healthcare Informatics	3
GRPH 2006	AI Foundation in Health Sciences	3
	TOTAL CREDITS	***18***
	YEAR 2 SEMESTER 2	
PHAR 2209	Pharmacology (YL)	3
PHAR 2213	Pharmaceutics II (Biopharmaceutics)	3
GRPH 2300	Harnessing AI in Pharmaceutical Analysis	3
GRPH 2340	AI in Drug Discovery Basics	3
PHAR 2202	Medicinal Chemistry (YL)	3
PHAR 2201	Pharmacy Practice II (Compounding & Clinical Application) (YL)	2
	TOTAL CREDITS	***17***
	YEAR 2 SUMMER	
PHAR 2201	Pharmacy Practice II (Sterile Compounding) (YL))	2
GRPH 2360	AI and Biostatistics	3
	TOTAL CREDITS	***5***
	TOTAL CREDITS YEAR 2	***40***
	YEAR 3 SEMESTER 1	
PHAR 3205	Applied Therapeutics I	6
PHAR 3203	Pharmacokinetics I (Basic & Clinical) (YL)	3
GRPH 3030	Generative Pharmacy, Supply Chain, Engagement and Logistics	3
GRPH 3060	Pharmacogenomics	3
NURS 3030	Research Methods	3
GRPH 3100	AI in Clinical Trials	3
	TOTAL CREDITS	***21***
	YEAR 3 SEMESTER 2	
PHAR 3206	Applied Therapeutics II	6
GRPH 3140	AI in Personalised Medicine	3
GRPH 3240	AI in Drug Discovery and Design	3
GRPH 3200	Pharmaceutical Quality Assurance	3

COURSE CODES	COURSE NAME	CREDITS
GRPH 3160	AI in Pharmacovigilance	3
	TOTAL CREDITS	***18***
	YEAR 3 SUMMER	
PHAR 3203	Pharmacokinetics (Basic & Clinical) (YL)	3
PHAR 4110	Introductory Pharmacy Practice Experience	6
	TOTAL CREDITS	***9***
	TOTAL CREDITS YEAR 3	***48***
	YEAR 4 SEMESTER 1	
GRPH 4000	AI in Applied Therapeutics III (focus on clinical decision-making)	3
GRPH 4110	AI in Pharmacy Management and Ethics	3
GRPH 4120	Pharmacy Law & Regulatory Affairs	3
GRPH 4130	AI Application in Pharmacy Practice	3
GRPH 4200	AI in Advanced Healthcare Decision Making	3
	TOTAL CREDITS	***15***
	YEAR 4 SEMESTER 2	
GRPH 4300	Seminar in Pharmacy and AI	1
GRPH 4500	Final Project-Capstone Project- AI in Pharmacy (optional international collaboration)	6
PHAR4203	Clinical Pharmacy Experiential Clerkship (Inpatient medicine)	6
GRPH 4140	AI in Pharmacognosy	3
	TOTAL CREDITS	***16***
	YEAR 4 SUMMER	
PHAR 4204	Clinical Pharmacy Experiential Clerkship II (Ambulatory medicine)	6
	TOTAL CREDITS	***6***
	TOTAL CREDITS YEAR 4	***37***
	TOTAL PROGRAMME CREDITS	***172***

Key: *- FOUN 1006 is available to persons who have passed FOUN 0100 or have been exempted from FOUN 0100; YL – Year-long course where credits are shared across multiple semesters.

COURSE DESCRIPTIONS FOR COURSES IN THE BSC GENERATIVE PHARMACY PROGRAMME

Course Title: PHARMACY PRACTICE I (Introduction to Pharmacy)
Course Code: PHAR 1201
Course Credits: 5 - 3 (Semester I); 2 (Semester II)
Course Description: **Orientation to the Profession of Pharmacy, Introduction to Dosage Forms**
This course introduces the student to the profession of pharmacy. It covers the development of pharmacy since the emergence of scientific medicine through

the current pharmaceutical care era. It includes the position of pharmacy in the delivery of health care by exploring major issues such as societal, political, philosophical, economic, legal and ethical issues affecting the practice of the profession. It emphasizes the requirements, responsibilities and attitudes that are essential for success as a professional and examines the various career pathways and roles of the pharmacists.

Pharmacy Calculations
This part of the course deals with various types of calculations required for compounding and dispensing of medications, including conversions of different units of measurement, interpretation of prescription orders and accurate dosage calculations.

Course Title: PHARMACEUTICAL CHEMISTRY
Course Code: PHAR 1202 Two semesters
Course Credits: 6 (3 per semester)
Course Description: This course covers the study of organic, inorganic and physical chemistry of chemicals to provide an understanding of chemical structures, physicochemical properties and behavior of drugs at the molecular level. The course also includes the study of various classes of compounds like alkanes, alkyl halides, alkenes, cyclic aliphatic, aromatic and heterocyclic compounds; stereochemistry and its applications to the activities of pharmaceuticals; chemical reactions of various functional groups; concepts of acidity and alkalinity, solubility, partition coefficient and chemical kinetics; and the use of different classes of inorganic compounds in pharmaceutical/ medicinal applications, including radionucleides. Laboratory experiments are designed to illustrate the applications of these concepts in the analysis of drugs and pharmaceuticals.

Course Title: CARIBBEAN CIVILISATION
Course Code: FOUN 1101
Course Credits: 3
Course Description: The student develops an awareness of the main process of cultural development in the Caribbean societies, highlighting the factors, the problematic and the creative output that have fed the emergence of Caribbean identities; a perception of the Caribbean as wider than island nations or linguistic blocs; stimulate students' interest in, and commitment to Caribbean civilisation and to further their self-definition.

Course Title: INTEGRATED BASIC HEALTH SCIENCES I (Anatomy and Physiology I)
Course Code: PHAR 1204
Course Credits: 4
Course Description: Integrated Basic Health Sciences 1 builds a foundation of knowledge for the understanding of pathophysiology of diseases involving the various organ systems in the human body. Using this acquired knowledge, students will be able gain a better understanding of the mechanistic actions of drugs on diseases that affect the various organ systems. The course is delivered concurrently with Integrated Basic Health Sciences II (Biochemistry). This course is delivered as a series of lectures, and via Problem Based Learning exercises that shows the functional interrelationship between Anatomy & Physiology and Biochemistry.

Course Title: LAW, GOVERNANCE, ECONOMY AND SOCIETY
Course Code: FOUN 1301
Course Credits: 3
Course Description: The course introduces 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.

Course Title: COMMUNICATION SKILLS FOR EFFECTIVE HEALTH CARE
Course Code: PECH 1101
Course Credits: 3
Course Description: The second of several courses exploring Professionalism, Ethics and Communication in Health this course provides students with the basic knowledge and principles of communication and their application in various different contexts. In addition, it provides students with the opportunity to develop core skills in these areas. In this light student are first introduced to key elements of best practice as it pertains to personal deportment, the use of social media, online professionalism and communications. Students will then study professional communication in the form of individual oral presentations, report writing and interacting with other health professionals. Finally, students are introduced to the clinical communication context in the form of the medical interview and exposed to the Four-Habits Model. Like other courses in the program, PECH 1101 will utilise lectures and small group tutorials sessions as the primary means of course instruction. There is again a strong emphasis on the development of skills and students will be expected to demonstrate these skills in classroom presentations, role play and group interactions. Assessment methods are tailored to evaluate these skills particularly during continuous assessment. As an example, actual presentations for assessment are videotaped for self-analysis and 45 improvement of verbal and non- verbal skills.

Course Title: INTEGRATED BASIC HEALTH SCIENCES II (Introduction to Biochemistry)
Course Code: PHAR 1205
Course Credits: 3
Course Description: This course introduces students to the basic concepts of biochemistry. The course shows how the science of Biochemistry plays a pivotal role, in the function of the various organs systems within the human body. This integration of Biochemistry with Anatomy & Physiology is further explored in Integrated Basic Health Sciences I, via Problem Based Learning Exercises. Students are encouraged to use the knowledge obtained from both Integrated Basic Health Sciences I & II and apply it to solving problems orientated towards the allied healthcare professional.

Course Title: BASIC AI ALGORITHMS
Course Code: PHAR1220
Course Credits: 3
Course Description: This foundational course equips pharmacy students with essential knowledge in AI algorithms, acting as a springboard for more advanced applications in drug discovery and patient care. Students will delve into heuristic search, genetic algorithms, and artificial neural networks, all critical for personalised medicine. They'll also explore computer vision for pharmaceutical image 57 analysis and

Natural Language Processing for extracting insights from research and clinical notes. The curriculum bridges the gap between theoretical AI principles and their tangible applications in the pharmaceutical arena, ensuring students are primed for advanced AI and Machine Learning endeavours in their future studies and careers.

Course Title: INTEGRATED BASIC HEALTH SCIENCES III (Anatomy and Physiology II)
Course Code: PHAR 1206
Course Credits: 4
Course Description: This course builds on the knowledge acquired from Integrated Basic Health Sciences I & II and introduces the students to the remaining organ systems of the human body. Students will learn about the biochemical, anatomical and physiological aspects of organ systems such as respiratory, urinary, digestive, reproductive and endocrine. In addition, this course is concurrent with The Integrated Basic Health Sciences IV (Community Health). The integration of these basic health sciences is delivered the Problem Based Learning activities that students are required to complete. This type of learning enhances the students' communication skills through group-based learning.

Course Title: INTRODUCTION TO PSYCHOLOGY
Course Code: PSYC 1001
Course Credits: 3
Course Description: The concepts and practice of psychology are becoming increasingly important in our society. This course allows students to gain an understanding of basic principles in psychology. It also illustrates some basic techniques of measuring human behaviour. An attempt will also be made to indicate where psychological principles could play an effective part in understanding and solving certain problems. The course is organised into seven sections. An attempt will also be made to use a multi-disciplinary approach through illustrations. The theme of humanistic psychology will be used alongside the Freudian and Behaviouristic approaches to explore whether human beings have the inherent nature to transcend the environment or to remain always at the mercy of environmental forces. Among the topic areas dealt with in this course are sensation and perception, learning, motivation, memory, emotions, intelligence, personality, development and research methods. This course is a prerequisite for all other second and third year.

Course Title: MICROBIOLOGY, IMMUNOLOGY AND GENERAL PATHOLOGY
Course Code: PHAR 2105
Course Credits: 3
Course Description: Microbiology: Students are expected to develop knowledge and understanding of the pharmaceutical aspects of microbiology, the nature and use of antibiotics and other antimicrobial agents, and the types and use of antiseptics, disinfectants and preservatives. The course includes a study of microorganisms and the clinical infections they cause; theoretical and practical aspects of active and passive immunisation against infectious diseases; classification or range of antimicrobial agents; sterilisation methods preventing contamination of pharmaceutical products; and understanding the need for a well-developed strategy for controlling infectious diseases. 46 Immunology: Incorporates an

overview of the immune system (organisation of the immune system, innate and acquired immunity, antibodies, including generation of diversity, structure and function relationships, T-cells – structure, function and effects mechanisms); Major histocompatibility antigens, antigen processing and presentation; Overview of cytokines; Immunopathology, including immunodeficiency, hypersensitivity, autoimmunity, transplantation and immunosuppressive modality; and immunisation. General pathology: Basic pathophysiological and morphological changes that are associated with some common pathological states like cell injury, acute and chronic inflammation, cell growth, oedema, haemorrhage, thrombosis, wound healing, mechanisms of carcinogenesis and characteristics of neoplasms are covered

Course Title: BASIC AI ALGORITHMS AND TOOLS
Course Code: PHAR 1220
Course Credits: 3
Course Description: This foundational course equips pharmacy students with essential knowledge in AI algorithms, acting as a springboard for more advanced applications in drug discovery and patient care. Students will delve into heuristic search, genetic algorithms, and artificial neural networks, all critical for personalised medicine. They'll also explore computer vision for pharmaceutical image analysis and Natural Language Processing for extracting insights from research and clinical notes. The curriculum bridges the gap between theoretical AI principles and their tangible applications in the pharmaceutical arena, ensuring students are primed for advanced AI and Machine Learning endeavors in their future studies and careers.

Course Title: PHARMACOLOGY (Semesters I and II)
Course Code: PHAR 2209 Two Semesters
Course Credits: 6 (3 per semester)
Course Description: This course has been designed to assist the students in learning about the most often used medications to treat patients. It will provide a framework for more in-depth study of pharmacology and support the student in learning the names, mechanisms/ actions, uses, and side effects of commonly used drugs affecting autonomic, cardiovascular, central and peripheral nervous, gastrointestinal, blood and renal systems, and also of the drugs used to prevent or treat various bacterial, viral, protozoal and fungal infections and cancer.

Course Title: PHARMACEUTICS I (Dosage Form Design)
Course Code: PHAR 2212
Course Credits: 3
Course Description: The focus of this course is to develop in the student the knowledge of the physicochemical properties of fine chemical and medicinal substances that affect their formulation into dosage forms and how these properties impact on processing variables for various classes of dosage forms. Factors for consideration in the design of dosage forms to obtain safe, efficacious, stable and acceptable medications would be learned. The choice and the potential effects of excipients on product qualities of design and performance would be studied.

Course Title: MEDICINAL CHEMISTRY
Course Code: PHAR 2202 Two semesters
Course Credits: 6 (3 per semester)
Course Description: This course has been designed to assist the students in understanding the structure, Structure-Activity-Relationships (SAR), physicochemical and structural basis of drug action; drug sources; mechanisms of drug action; drug design and drug selectivity; drug incompatibility; drug interactions of commonly used drugs affecting autonomic, cardiovascular, central and peripheral nervous, gastrointestinal, blood and renal systems; and also the drugs used to prevent or treat various bacterial, viral, protozoal and fungal infections and cancer. The course also describes how the physical features of the drug such as pKa and partition coefficient, and the chemical features such as conformational and configurational features, contribute to drug activity and affect its administration, distribution, metabolism and excretion.

Course Title: PHARMACEUTICS II (Biopharmaceutics)
Course Code: PHAR 2213
Course Credits: 3
Course Description: Biopharmaceutics, New drug delivery systems and devices:
This course provides an understanding in the principles underlining drug absorption, distribution, metabolism and excretion (ADME) following its administration to human or animal subjects. The course places emphasis on the dependence of drug absorption on the physical and chemical nature of drug substances, the effect of dosage form in which it is designed and the factors related to the physiologic and pathologic conditions of the subjects to which it is administered. The aim is to develop in the student the ability to integrate all these factors holistically in optimizing therapeutic benefit to the patient while minimizing adverse or untoward effects of medicinal products. In addition, the course would train the candidates in novel delivery technologies that are currently being employed for enhancing drug delivery to various targets in the body.

Course Title: PHARMACY PRACTICE II (Compounding & Clinical application; Sterile compounding)
Course Code: PHAR 2201 Two semesters
Course Credits: 4 (2 per semester)
Course Description: **Compounding Skills:** The student receives instructions on the art and science of compounding products that are used for (self) treatment to cure or alleviate specific (dermatological, ophthalmic etc.) conditions as well as for physician-prescribed medicaments. Techniques used in compounding are emphasised to ensure that good manufacturing practices are achieved. Storage and handling, aseptic techniques and preparation, equipment, labelling, expiration dating, documentation and patient counselling are discussed, among other topics.

Sterile Product Preparation: The sterile products laboratory module introduces the students to sterile preparations and intravenous admixtures. Emphasis is placed on the sterile environment, aseptic techniques, effective use of a laminar flow hood, manipulations of the various injectable packages/ needles/ syringes, dose calculations, incompatibilities, safe compounding/ dispensing/ administration, quality assurance, the preparation of Parenteral Nutrition and the safe preparation and handling of cytotoxic agents. Students learn the role and responsibilities of the clinical pharmacist in parenteral nutrition prescription and the handling of cytotoxic agents.

Course Title: AI IN DRUG DISCOVERY BASICS
Course Code: GRPH 2340
Course Credits: 3
Course Description: This course introduces undergraduate pharmacy students to the foundational concepts of artificial intelligence (AI) and its significant role in modern drug discovery. Students will explore AI techniques such as machine learning and their applications in pharmacology, the importance of data in drug development, real-world AI-driven drug discovery case studies, and the ethical considerations inherent in this fusion of technology and medicine. Incorporating hands-on experiences with user-friendly tools, the curriculum aims to equip students with an understanding of AI's potential in revolutionising the future of drug research and personalised medicine.

Course Title: HARNESSING AI IN PHARMACEUTICAL ANALYSIS
Course Code: GRPH 2300
Course Credits: 3
Course Description: This course explores the multifaceted integration of artificial intelligence (AI) techniques across pharmaceutical research and development, manufacturing, and quality assurance. Students will examine how algorithms enable high-throughput drug screening, predictive in silico modelling for drug design, automated quality control via computer vision, AI-driven analytical workflows, and data-intensive pharmacovigilance strategies. The curriculum covers foundational AI methods like machine learning and deep learning, explaining their implementation in pharmaceutical laboratories for spectroscopic data processing, robotic automation, bioanalytical testing, and experimental optimisation. Real-world case studies will highlight the application of AI across the pharmaceutical value chain - from early-stage drug discovery all the way through manufacturing analytics and post-market surveillance. Students will gain computational skills and hands-on experience applying AI to tackle industry challenges through interactive projects. This course provides pharmacy students with crucial knowledge of AI's expanding role in accelerating and enhancing pharmaceutical product development, analysis, and quality assurance.

Course Title: AI AND BIOSTATISTICS
Course Code: GRPH 2360
Course Credits: 3
Course Description: AI and Biostatistics for Pharmacy Students is an interdisciplinary course tailored for those in the pharmaceutical field, emphasising the significant role of Artificial Intelligence (AI) in modern biostatistics. This course delves deep into the nexus between AI and biostatistics, paving the way for the students to gain a nuanced understanding of today's state-of-the-art biostatistical methods, all enhanced and sharpened by the power of AI. In an age where vast and complex datasets are the norm, especially in drug discovery, clinical trials, and pharmacogenomics, the application of AI-driven biostatistical tools is indispensable. Through this course, pharmacy students will not only acquire the

foundational knowledge of these AI models but also gain hands-on experience in harnessing these tools to dissect, interpret, and predict patterns within intricate biological data.

Course Title: APPLIED THERAPEUTICS I & II
Course Code: PHAR 3205 & 3206
Course Credits: 6 per course
Course Description: Study of this course involves a description of the basic pathophysiology and clinical manifestations of disease states; how the pharmacological actions of drugs and their pharmacokinetic properties are utilised in the clinical setting to produce therapeutic effect; to explain the toxicities, interactions and contraindications to these drugs; to acquire the skill required to ensure the most effective and efficient use of drugs as therapeutic tools from a knowledge of the desired therapeutic objectives and feasible therapeutic alternatives, by selecting and individualising a drug treatment regimen and 50 by designing a patient monitoring plan to achieve the stated therapeutic goals. It provides opportunities for a student to select, interpret and integrate patient, drug and disease information in order to prevent, detect and resolve drug related problems.

Course Title: PHARMACOKINETICS (BASIC & CLINICAL)
Course Code: PHAR 3203 Two semesters
Course Credits: 6 (3 per semester)
Course Description: This course aims to provide a basic understanding of the time course of drugs and metabolites in the body, including the quantitative aspects of drug absorption, distribution, metabolism and excretion. Compartmental and non-compartmental treatment of kinetic data, parameter calculations and the applications of these concepts in estimation of loading and maintenance doses will be employed. Clinical Pharmacokinetics: This course aims to provide an understanding of the potential clinical applications of the principles of pharmacokinetics through presentation and solution of common clinical problems. The student must integrate information from pharmacokinetics, biopharmaceutics and therapeutics to decide how to maximise a patient's drug therapy while minimising untoward effects. The student learns about therapeutic drug level monitoring, how to summarise the influence of other drugs, diseases and patient factors on pharmacokinetic parameter values and make pharmacokinetic based dosage alterations.

Course Title: GENERATIVE PHARMACY SUPPLY CHAIN, ENGAGEMENT AND LOGISTICS
Course Code: GRPH 3030
Course Credits: 3
Course Description: This course examines the applications of artificial intelligence and machine learning techniques in pharmacy supply chain management. Students will learn how AI can be leveraged to optimise pharmacy operations, forecast demand, prevent drug shortages, and enhance supply chain visibility. The course takes an interdisciplinary approach suitable for students of both technical and non-technical backgrounds. Upon completion, students will be equipped to evaluate, recommend, and implement AI solutions to transform pharmacy supply chain operations. This will prepare them to meet current and future pharmacy supply chain needs.

Course Title: PHARMACOGENOMICS
Course Code: GRPH 3060
Course Credits: 3
Course Description: This course explores the genetic basis for individual variability in drug disposition and response. Students will examine polymorphisms in drug metabolising enzymes, transporters, receptors, and other pharmacological targets. Discuss clinical standards for genetic screening and implications for drug therapy selection, dosing, and monitoring based on pharmacogenomics biomarker profiles. Appreciate the promise of pharmacogenomics for avoiding adverse events and improving efficacy through patient- tailored treatments based on genotype.

Course Title: RESEARCH METHODS
Course Code: NURS 3030
Course Credits: 3
Course Description: This course exposes the students to the scientific method of enquiry and its relevance in investigating phenomena in health care. It engages students in critical thinking to critique published research findings and theoretical frameworks that have applicability to nursing practice. The course facilitates the development of students' competencies in using the research process; using inferential statistics and transferring evidence-based knowledge to practice. The course also exposes students to ethical frameworks for conducting research and using evidence-based knowledge.

Course Title: AI IN CLINICAL TRIALS
Course Code: GRPH 3100
Course Credits: 3
Course Description: This course provides a comprehensive overview of how artificial intelligence (AI) and machine learning are revolutionising and optimising the entire clinical trial process. Students will learn how AI is being applied to transform clinical trial design, improve patient recruitment, enhance data management and analysis, strengthen safety monitoring, increase operational efficiency, and predict trial outcomes. The course covers real-world case studies of AI implementation across phases of drug development from the preclinical to postmarket phases. Students will gain practical skills in leveraging AI tools and techniques for protocol optimisation, computational modelling, predictive analytics, and safety signal detection applied to clinical trial data sets. By learning both the capabilities and limitations of modern AI, students will be prepared to effectively evaluate and integrate AI solutions to help accelerate clinical trials and drug discovery while ensuring robust levels of patient privacy and safety.

Course Title: AI IN PERSONALIZED MEDICINE AND PHARMACOGENOMICS
Course Code: GRPH 3140
Course Credits: 3
Course Description: This course provides pharmacy students with a comprehensive understanding of the pivotal role artificial intelligence (AI) is playing in enabling personalised medicine and pharmacogenomics. As healthcare increasingly emphasizes precision treatment tailored to an individual's genetic profile, AI offers sophisticated tools to predict responses, avoid 52 adverse events, and optimise

therapies on a highly customised basis. The course will explore foundational concepts of pharmacogenomics before delving into machine learning techniques being applied to discern intricate correlations between genotypes, drug metabolism, and clinical outcomes. Students will learn how AI can leverage vast datasets from clinical trials, medical records, and cutting-edge genetic sequencing to model drug-gene interactions and predict variability in drug reactions. Through hands-on tools, real-world case studies, and analysis of emerging research, students will gain practical competencies in applying AI to inform individualised drug dosage, selection, and monitoring. Ethical considerations regarding data privacy, algorithmic bias, and the responsible use of AI will be emphasised. By mastering skills at the intersection of artificial intelligence, personalised medicine, and pharmacogenomics, students will be prepared to actively shape and lead future pharmaceutical practices that harness advanced technologies to fulfil the promise of providing every patient the right drug at the right dose.

Course Title: AI IN PHARMACOVIGILANCE
Course Code: GRPH 3160
Course Credits: 3
Course Description: This course provides undergraduate pharmacy students with a comprehensive understanding of the emerging role of artificial intelligence (AI) in the realm of pharmacovigilance. The dynamic landscape of drug safety and the challenges of post-market surveillance are becoming increasingly complex. With the exponential growth of data, there is an urgent need for innovative solutions. AI, with its capability to handle vast datasets and generate insights, is poised to revolutionise pharmacovigilance. Within this course, students will engage in an in- depth exploration of the fundamental principles underpinning artificial intelligence, machine learning, and natural language processing. They will subsequently investigate their pertinent applications within the spheres of drug safety, the detection of adverse drug reactions (ADRs), and associated risk management strategies. The curriculum underscores a synergistic, interdisciplinary approach, intertwining elements from the pharmaceutical sciences, data analytics, and ethical considerations.

Course Title: AI IN DRUG DISCOVERY AND DESIGN
Course Code: GRPH 3240
Course Credits: 3
Course Description: The "AI in Drug Discovery and Design" course provides pharmacy students with a comprehensive understanding of how artificial intelligence (AI) is revolutionising the drug development process. This curriculum offers insights into the application of AI in areas such as molecular docking, compound screening, and drug formulation. Through a combination of lectures, computational labs, and case studies, students will explore the practical applications and challenges of AI in drug development. The course also addresses the ethical and regulatory dimensions of AI in the pharmaceutical industry. Upon completion, students will have a foundational knowledge of the intersections between AI and pharmacology, preparing them to contribute to and navigate the evolving pharmaceutical landscape.

Course Title: PHARMACEUTICAL QUALITY ASSURANCE
Course Code: GRPH 3200
Course Credits: 3
Course Description: Students will learn about comprehensive quality systems for ensuring safety, identity, purity, strength, quality, and reliability of pharmaceutical products. Master validation processes, cGMP regulations, product stability, quality control testing, auditing, documentation, standard operating procedures, and dealing with non-conformances. Assess risk and develop mitigation strategies through FMEA and other quality tools. Tour manufacturing facilities to witness these concepts applied in regulated environments producing lifesaving medications.

Course Title: INTRODUCTORY PHARMACY PRACTICE EXPERIENCE
Course Code: PHAR 4110
Course Credits: 6
Course Description: The experiential aspect of the course is designed to introduce students to the practice pharmaceutical care in collaboration with physicians, nurses and other health care providers on patient care units and in community, through the use of skills in communication, information evaluation and provision, care planning and pharmacy management. Students will develop professional judgement and practise these while gaining an understanding of the extended role and assume responsibility for outcomes of decisions made in providing pharmaceutical care. Rotations in public and community dispensaries will be designed to facilitate learning in pharmacy-based patient care and pharmacy administration. This course supports the mission of the School to produce pharmacy professionals with foundation skills for pharmacy practice.

Course Title: AI FOUNDATION IN HEALTH
Course Code: GRPH 2006
Course Credits: Three (3)
Course Description: In this course, students will engage in a multidisciplinary examination of the intersection between artificial intelligence (AI) and health sciences. The objective of this course is to provide pharmacy students with a foundational knowledge of AI principles and their transformative implications in the healthcare and medical research domains. Initiating with an in-depth analysis of AI's foundational principles, such as machine learning and natural language processing, the curriculum subsequently delves into the intricacies of the healthcare domain, highlighting the pivotal role of data ranging from clinical diagnostics to pharmacological discovery. Furthermore, students will scrutinise the profound impacts of AI on emergent applications in genomics that inform drug discovery and individualized medicine. Emphasising the increasing significance of AI in clinical determinations, the course outlines its role in enhancing diagnostic prognosis and therapeutic strategising. Additionally, the ethical dimensions of AI's integration into healthcare, including concerns related to data confidentiality and algorithmic predispositions, are critically examined. Reinforcing the essence of multidisciplinary collaboration, the course advocates for synergies between data scientists, medical practitioners, and ethicists. Concludingly, students will engage in discourses on the prospective trajectories of AI in health sciences, considering both nascent technological advancements and forthcoming challenges.

Course Title: AI IN APPLIED THERAPEUTICS III (Focus on clinical decision-making)
Course Code: GRPH 4000
Course Credits: 3
Course Description: AI in Applied Therapeutics III represents an advanced exploration of artificial intelligence and its evolving role in enhancing clinical decision-making for pharmacists. As pharmacotherapy becomes increasingly complex, with ever-growing treatment options and vast amounts of data, AI offers innovative solutions to optimise therapeutic recommendations. This course builds upon the core competencies developed in Applied Therapeutics I and II, equipping students with specialised knowledge on leveraging AI-driven clinical support systems, predictive analytics, and personalised medicine platforms. Through dynamic lectures, case-based analysis, and hands-on experiences, students will gain strategic insights into the prudent integration 54 of AI technologies into evidence-based practice. Core topics covered include: interpreting AI-generated drug recommendations, assessing efficacy and safety considerations, evaluating ethical and regulatory dimensions, and sharpening critical thinking skills to validate AI-assisted decisions. Students will also engage in interprofessional collaborations, communicating with IT specialists to better comprehend AI workflows.

Course Title: AI IN PHARMACY MANAGEMENT AND ETHICS
Course Code: GRPH 4110
Course Credits: 3
Course Description: This course provides pharmacy students an in-depth look at how artificial intelligence and machine learning technologies can optimise operations, inventory, supply chain, and workflow management in pharmacy settings. However, these efficiencies must be balanced with ethical considerations around patient privacy, data biases, automation, and the evolving role of the pharmacist. Through dynamic lectures, real-world case studies, and critical analysis, this course equips students with competencies in leveraging AI solutions to drive data-driven business decisions and enhance productivity. However, there is a core emphasis on doing so while adhering to legal/ regulatory guidelines and prioritising patient-centred care values. Students will sharpen leadership skills for managing AI integrations and anticipating socio-technical challenges. Ultimately, this course produces pharmacists who can astutely administer the operational benefits of AI without compromising on ethics or humanity in patient services.

Course Title: AI APPLICATIONS IN PHARMACY PRACTICE
Course Code: GRPH 4130
Course Credits: 3
Course Description: This course provides a comprehensive exploration of the applications of artificial intelligence and automation in contemporary pharmacy practice. Students will gain an in-depth understanding of leading AI innovations transforming key facets of the pharmacy profession, including: robotic prescription dispensing, intelligent medication adherence monitoring, automated inventory control, data-driven patient counselling apps, predictive analytics for precision medicine, and more. Through dynamic lectures, hands-on simulations, and collaborative projects with IT specialists, students will develop core competencies in

leveraging these technologies to drive pharmacy operational excellence and enhance patient outcomes. However, discussions will also focus on the practical implementation challenges, ethical considerations, and limitations involved in integrating emerging AI solutions into patient- centred pharmacy workflows. Ultimately, students will graduate as strategic thinkers, equipped to nimbly administer both existing and future AI innovations in a manner that augments and strengthens the pharmacist's role in delivering humanistic care.

Course Title: AI FOR ADVANCED HEALTHCARE DECISION MAKING
Course Code: GRPH 4200
Course Credits: 3
Course Description: This course explores how artificial intelligence technologies can augment and enhance clinical decision-making and optimise outcomes in pharmacy 55 practice. Students will gain an in-depth understanding of key AI applications assisting diagnosis, personalised treatments, preventive care, operational decisions, and novel discoveries. Through lectures, case studies, and hands on exercises, students will examine AI clinical decision support systems, treatment recommendation engines, predictive analytics, chatbots, wearables, and more. However, discussions will also focus on the ethical application of AI and the importance of human judgement in healthcare. Ultimately, students will learn to integrate AI intelligently into evidence-based practice to amplify (not replace) human expertise. They will graduate as well-informed pharmacists, empowered to leverage AI to improve patient-centred decision-making. By the end of this course, students will be able to critically evaluate both the advantages and limitations of various AI applications for improving pharmacist decision-making, with an emphasis on holistic, humanistic patient care.

Course Title: SEMINAR IN PHARMACY AND AI
Course Code: GRPH 4300
Course Credits: 1
Course Description: This intensive 1-credit seminar provides an overview of emerging topics and trends at the intersection of pharmacy and artificial intelligence. Through a series of guest lectures by multidisciplinary experts, interactive discussions, and student-led analyses of real-world case studies, students will gain exposure to cutting-edge innovations, opportunities, and challenges associated with integrating AI into pharmacy practice. Each week's session will focus on a distinct theme or application area, exploring subjects like intelligent clinical decision support systems, predictive analytics in precision medicine, automation of pharmacy operations, ethical AI implementation, and interdisciplinary collaborations driving future AI pharmacy solutions. Students will learn to critically assess the advantages and limitations of these technologies to determine appropriate AI adoption strategies focused on elevating patient-centered care. By engaging with specialists across healthcare AI, data science, ethics, and other relevant domains, students will also develop valuable perspectives on navigating AI integration in collaborative, holistic ways to advance pharmacy's service to society.

Course Title: AI IN PHARMACOGNOSY
Course Code: GRPH 4140
Course Credits: 3

Course Description: "AI in Pharmacognosy" offers a comprehensive exploration of the intersection between traditional pharmacognosy practices and advanced artificial intelligence techniques. Students will delve into the profound impact of AI on the discovery, characterisation, and understanding of medicinal compounds from nature. The curriculum, enriched with lectures, interactive labs, and project-based modules, emphasises the potential of AI to revolutionise pharmacogenetic research, making the drug discovery process more efficient and ensuring the sustainable utilisation of natural resources. Furthermore, the course integrates a study of herbal medicine, facilitating a comparative analysis between pharmacy and herbal practices, and concludes with an in-depth examination of herbal toxicology.

Course Title: CLINICAL PHARMACY EXPERIENTIAL CLERKSHIP I (Inpatient medicine)
Course Code: PHAR 4203
Course Credits: 6
Course Description: The experiential aspect of the course is designed to allow students to extend the practice pharmaceutical care on patient care units for general medicine and selected specialty, through bedside rotations and application of skills in communication, information evaluation and provision, care planning and pharmacy management. Students will continue to develop professional judgement and practice these while gaining an understanding of the extended role and assume responsibility for outcomes of decisions made in providing pharmaceutical care. Learning will be primarily facilitated by bedside rounds and inpatient pharmacy services. This course supports the mission of the School to produce pharmacy professionals with required skills for institutional pharmacy practice.

Course Title: FINAL PROJECT - Capstone Project - AI in Pharmacy
Course Code: GRPH 4500
Course Credits: 6
Course Description: The "AI in Pharmacy" Capstone Project serves as the culmination of the BSc in Generative Pharmacy program, allowing students to demonstrate their competency and innovative prowess in integrating Artificial Intelligence within pharmacy practice. Building on the foundational knowledge and skills acquired throughout the program, students will embark on a comprehensive journey to design, develop, or critically evaluate AI-powered solutions addressing real-world pharmacy challenges

Course Title: CLINICAL PHARMACY EXPERIENTIAL CLERKSHIP II (Ambulatory Medicine)
Course Code: PHAR 4204
Course Credits: 6
Course Description: The experiential aspect of the course is designed to allow students to practice pharmaceutical care in collaboration with physicians, nurses and other health care providers in outpatient clinics and in community pharmacy, through the use of skills in communication, information evaluation and provision, care planning and pharmacy management. Students will have opportunities to develop an understanding of the extended role of the pharmacist in these settings and assume responsibility for outcomes of decisions made in providing pharmaceutical care. This course supports the mission of the School to produce pharmacy professionals with required skills for community practice.

BACHELOR OF SCIENCE (BSC) TRADITIONAL PHARMACY DEGREE PROGRAMME

The traditional Pharmacy Program offers a comprehensive curriculum to prepare students for careers as pharmacists in various healthcare settings. Through a combination of classroom instruction, laboratory work, and experiential learning opportunities, students will develop the knowledge, skills, and professional values necessary for success in the field of pharmacy.

CORE AREAS OF THE CURRICULUM

The curriculum in pharmacy provides the student with a core of knowledge, skills, abilities, attitudes and values that, in composite, relate to the professional competencies and outcome expectations, and it includes the following areas:

- Basic health sciences, including anatomy, physiology, general pathology, pathophysiology, microbiology, immunology, biochemistry and biostatistics;
- Pharmaceutical sciences, including pharmaceutical chemistry, medicinal chemistry, pharmacology, toxicology and pharmaceutics, which encompasses physical and chemical principles of dosage forms and drug delivery systems, biopharmaceutics and pharmacokinetics;
- Behavioural, social and administrative pharmacy sciences, including pharmacoeconomics, practice management, communications applicable to pharmacy, the history of pharmacy, ethical foundations to practice, social and behavioural applications and laws pertaining to practice;
- Pharmacy practice, including prescription processing, compounding and preparation of dosage forms, drug distribution and drug administration, epidemiology, paediatrics, geriatrics, gerontology, nutrition, health promotion and disease prevention, physical assessment, clinical pharmacokinetics, patient evaluation and ordering medications, pharmacotherapeutics, disease-state management, outcomes documentation, self care/non-prescription drugs, and drug information and literature evaluation;
- Professional experience, including a variety of practice experiences acquired throughout the curriculum as a continuum, progressing from the Introductory Pharmacy Practice experiences to the Advanced Pharmacy Practice experiences, which include outreach clinical clerkship at Institutional and Community Sites.

PROGRAMME STRUCTURE

COURSE CODES	COURSE NAME	CREDITS
	YEAR 1: SEMESTER I	
PHAR 1201	Pharmacy Practice I (Introduction to Pharmacy) (YL)	3
PHAR 1202	Pharmaceutical Chemistry (L)	3
PHAR 1204	Integrated Basic Health Sciences I (Anatomy and Physiology)	4
PHAR 1205	Integrated Basic Health Sciences (Introductory Biochemistry)	3
PECH 1001	The Professional and Society	3
FOUN 0100	Fundamentals of Written English	0

COURSE CODES	COURSE NAME	CREDITS
FOUN 1006*	Exposition for Academic Purposes	3
	TOTAL CREDITS	***19***
	YEAR 1 SEMESTER 2	
PHAR 1201	Pharmacy Practice I (Pharmacy Calculations) (YL)	2
PHAR 1202	Pharmaceutical Chemistry (YL)	3
FOUN 1101	Caribbean Civilisation	3
PECH 1101	Communication Principles for Effective Healthcare	3
PHAR 1206	Integrated Basic Health Sciences III (Anatomy and Physiology II)	4
PHAR 1207	Integrated Basic Health Sciences IV (Community Health)	1
PECH 1102	PECH Practicum	3
	TOTAL CREDITS	***19***
	TOTAL CREDITS YEAR 1	***38***
	YEAR 2 SEMESTER 1	
PHAR 2105	Microbiology, Immunology and General Pathology	3
PHAR 2201	Pharmacy Practice II (Compounding Lab) (YL	2
PHAR 2202	Medicinal Chemistry (YL)	3
PHAR 2212	Pharmaceutics I (Dosage Form Design)	4
PHAR 2209	Pharmacology (YL)	3
	TOTAL CREDITS	***15***
	YEAR 2 SEMESTER 2	
PHAR 2209	Pharmacology (YL)	3
PHAR 2201	Pharmacy Practice II Laboratory (IV Admixture) (YL)	2
PHAR 2213	Pharmaceutics II (Biopharmaceutics)	3
PHAR 2202	Medicinal Chemistry (YL)	3
PHAR 2106	Pharmaceutical Analysis	3
	TOTAL CREDITS	***14***
	TOTAL CREDITS YEAR 2	***29***
	YEAR 3 SEMESTER 1	
PHAR 3104	Pharmacy Law & Ethics	2
PHAR 3105	Biostatistics & Research Methodology	3
PHAR 3106	Complementary/Alternative Medicine, Non-Prescription Drugs	3
PHAR 3205	Applied Therapeutics I	6
PHAR 3203	Pharmacokinetics (Basic & Clinical) (YL)	3
	TOTAL CREDITS	***17***

COURSE CODES	COURSE NAME	CREDITS
	YEAR 3 SEMESTER 2	
PHAR 3201	Pharmacy Practice III (Prescription dispensing; Site Visits; Drug Information/Literature Evaluation)	5
PHAR 3206	Applied Therapeutics II	6
PHAR 3203	Pharmacokinetics (Basic & Clinical) (YL)	3
	TOTAL CREDITS	***14***
	TOTAL CREDITS YEAR 3	***31***
	YEAR 4 SEMESTER 1	
PHAR 4102	Pharmacy Administration	4
PHAR 4103	Pharmacy Seminars	2
PHAR 4109	Patient Care Skills	2
PHAR4110	Introductory Pharmacy Practice Experience	6
	FREE ELECTIVE** (Any one (1) course)	2
	TOTAL CREDITS	***16***
	**** SUGGESTIONS FOR THE FREE ELECTIVE**	
PHAR 4105	Community Pharmacy Practice Management	2
PHAR 4106	Institutional Pharmacy Practice Management	2
PHAR 4107	Clinical Toxicology	2
PHAR 4108	Pharmacoeconomics	2
	YEAR 4 SEMESTER 2	
PHAR 4104	Research Project	2
PHAR 4203	Clinical Pharmacy Experiential Clerkship I (Inpatient medicine)	6
PHAR 4204	Clinical Pharmacy Experiential Clerkship II (Ambulatory medicine)	6
	TOTAL CREDITS	***14***
	TOTAL CREDITS YEAR 4	***30***
	TOTAL PROGRAMME CREDITS	***128***

COURSE DESCRIPTIONS FOR COURSES IN THE BSC TRADITIONAL PHARMACY PROGRAMME

For courses that are common to both the BSc Traditional Pharmacy and the BSc Generative Pharmacy programme, the course descriptions presented earlier under the Generative Pharmacy programme apply. These are:

- PHAR 1201 Pharmacy Practice I (Semester I & II) – 5 credits
- PHAR 1202 Pharmaceutical Chemistry (Semester I & II) - 6 credits
- PHAR 1204 Integrated Basic Health Sciences I (Anatomy & Physiology I) – 4 credits
- PHAR 1205 Integrated Basic Health Sciences (Biochemistry) – 4 credits

- PHAR 1206 Integrated Basic Health Sciences (Anatomy & Physiology II) – 4 credits
- PHAR 2105 Microbiology, Immunology and Pathology – 3 credits
- PHAR 2201 Pharmacy Practice II (Compounding & clinical applications; Sterile compounding) – 4 credits
- PHAR 2202 Medicinal Chemistry – 6 credits
- PHAR 2209 Pharmacology (Semester I & II) – 6 credits
- PHAR 2212 Pharmaceutics I (Dosage form designs) – 3 credits
- PHAR 2213 Pharmaceutics II (Biopharmaceutics) – 3 credits
- PHAR 3203 Pharmacokinetics (Basic & Clinical, Semester I & II) – 6 credits
- PHAR 3205 Applied Therapeutics I – 6 credits
- PHAR 3206 Applied Therapeutics II – 6 credits
- PHAR 4110 Introductory Pharmacy Practice Experience – 6 credits
- PHAR 4203 Clinical Pharmacy Experiential Clerkship I (Institutional) – 6 credits
- PHAR 4204 Clinical Pharmacy Experiential Clerkship II (Ambulatory) – 6 credits.

Course Title: Fundamentals of Written English
Course Code: FOUN 0100
Course Credits: 0
Course Description: This course is designed to help students develop skills common to all professional, workplace-oriented writing, whether in business or science. It functions to improve their writing and presentation skills across the curriculum, requires them to practice self and peer editing, provides a guide to ethical research methods, and promotes collaborative work. Students can apply the skill sets learnt to evaluating and producing written and spoken material in a variety of business, scientific and professional situations.

Course Title: Exposition for Academic Purposes
Course Code: FOUN 1006
Course Credits: 3
Course Description: This course is designed to deliver instruction in the construction of researched essays, paying attention to the techniques of development and the use of the conventions of academic writing: appropriate summary, paraphrase, and quotation. It also seeks to encourage the value of language in communication. Hence it challenges students to achieve communicative competency; an appreciation of varieties of language, suitability of purpose and audience to chosen variety and level of formality.

Course Title: Caribbean Civilisation
Course Code: FOUN 1101
Course Credits: 3
Course Description: This is a level one University introductory course designed to take a multidisciplinary approach to discussing the Caribbean and its peoples. This course interrogates some issues involved with studies of Caribbean Civilisation. The course provides a general understanding of the Caribbean and the link between the region’s past and its consequent contemporary Caribbean life and living. To understand the issues raised, the student will focus on the causes and nature of Caribbean demographic diversity; the problems involved with

subsequent identity formation especially in the context of Diasporic double consciousness; the role the world's imperial powers have played as they continue to have an impact on Caribbean development especially due to the Caribbean's geo-strategic importance to North and South America. These themes will be linked by helping learners to develop critical thinking skills that will allow them to interrogate these discrete study areas as one homogeneous area of study that holds the Caribbean region, and its people, as central to an understanding of them.

Course Title: Communication Principles for Effective Health Care
Course Code: PECH 1101
Course Credits: 3
Course Description: The second of several courses exploring Professionalism, Ethics and Communication in Health this course provides students with the basic knowledge and principles of communication and their application in various different contexts. In addition, it provides students with the opportunity to develop core skills in these areas. In this light student are first introduced to key elements of best practice as it pertains to personal deportment, the use of social media, online professionalism and communications. Students will then study professional communication in the form of individual oral presentations, report writing and interacting with other health professionals. Finally, students are introduced to the clinical communication context in the form of the medical interview and exposed to the Four-Habits Model. Like other courses in the program, PECH 1101 will utilise lectures and small group tutorials sessions as the primary means of course instruction. There is again a strong emphasis on the development of skills and students will be expected to demonstrate these skills in classroom presentations, role play and group interactions.

Course Title: Integrated Basic Health Sciences IV (Community Health)
Course Code: PHAR 1207
Course Credits: 1
Course Description: Integrated Basic Health Sciences is important for building a foundation of knowledge for the understanding of pathophysiology of diseases involving the various organ systems in the human body. Using this acquired knowledge, students will be able gain a better understanding of the mechanistic actions of drugs on diseases that affect the various organ systems. The Community Health portion of the Integrated Basic Health Sciences courses, instructs students on the epidemiology of human disease. It focuses on the major diseases and practices that are affecting the Caribbean community, and strategies for their treatment. Students' the have undertaken the previous three Integrated Basic Health Sciences courses will be able to determine the loss of function of a specific organ system in relation to the disease state.

Course Title: Professionalism, Ethics and Communication in Health
Course Code: PECH 1102
Course Credits: 3
Course Description: The final year one offering in the Professionalism, Ethics and Communication in Health (PECH) Program this course provides students with practical and real world exposure to the concepts they would have been taught in PECH 1001 and

PECH 1101. It is founded on principles of service-learning in which students are commissioned to work in groups on a community-based project that must demonstrate a measure of service to the wider society. The choice of the project, its scope, reach and implementation will primarily be the decision and responsibility of the students though it will be guided by a tutor assigned to each group. Students will be guided by their tutors and acquire practical skills through the execution of the project including project planning, record keeping, project management, proposal writing and report writing.

Course Title: PHARMACEUTICS I (Dosage Form Design)
Course Code: PHAR 2212
Course Credits: 4
Course Description: An introduction to the technologic and scientific principles underlying the preparation of dosage forms and drug delivery systems. Students should develop an understanding of the inter-relationship between physical pharmacy principles, biopharmaceutics and dosage form design, including modifying the release pattern of a drug from its dosage form/device (sustained release, controlled-release and site-specific drug delivery systems) and the clinical applications in patient care. Product examples and the applications of each type of dosage form are emphasised to give the beginner an orientation to pharmacy practices.

Course Title: PHARMACOLOGY (YEAR LONG)
Course Code: PHAR 2209 Two Semesters
Course Credits: 6 (3 per semester)
Course Description: This course has been designed to assist the students in learning about the most often used medications to treat patients. It will provide a framework for more in-depth study of pharmacology and support the student in learning the names, mechanisms/ actions, uses, and side effects of commonly used drugs affecting autonomic, cardiovascular, central and peripheral nervous, gastrointestinal, blood and renal systems, and also of the drugs used to prevent or treat various bacterial, viral, protozoal and fungal infections and cancer.

Course Title: PHARMACEUTICAL ANALYSIS
Course Code: PHAR 2106
Course Credits: 3
Course Description: This course involves the practical application of modern analytical techniques such as spectroscopy and chromatography to the identification and quantisation of drugs and pharmaceutical products. This course will develop a broad-based familiarity of the student with common characterisation techniques and their operational principles which are relevant to the study of pharmaceuticals.

Course Title: Pharmacy Law and Ethics
Course Code: PHAR 3104
Course Credits: 2
Course Description: This course is designed to impart the requisite skills and knowledge needed to students to perform managerial functions in community and institutional pharmacy and/or the pharmaceutical industry. The area of study includes planning and integrating professional services, budgeting, inventory

management, human resource management, and functioning in a business environment.

Course Title: BIOSTATISTICS & RESEARCH METHODOLOGY
Course Code: PHAR 3105
Course Credits: Three (3)
Course Description: The Biostatistical module of this course is intended to introduce students to elementary statistical concepts and commonly used analytical tools while providing the rationale underlying their use. More specifically, the course will enable students to understand basic probability concepts and use them; familiarise themselves with statistical reasoning and skills; draw inferences using statistical logic; and use statistical packages for data management and processing. The research methodology module is intended to expose students to basic research designs and principles applicable to medical health fields.

Course Title: Complementary Alternative Medicine / Non-prescription Drugs
Course Code: PHAR 3106
Course Credits: 3
Course Description: The course describes the use of non-prescription or over the counter and complementary medications (Herbal products, homeopathy and acupuncture) by the prerogative of the lay public, otherwise called self-care, to alleviate symptoms of disease with or without the advice of a physician.

Course Title: PHARMACY PRACTICE III (Prescription dispensing, Drug Information and Literature Evaluation)
Course Code: PHAR 3201
Course Credits: 5
Course Description: **Prescription Dispensing (3 credits):** The aspect of the course simulates actual pharmacy practice with a problem-solving approach. It is intended as a transition between the didactic course work and later externship and clerkship experiences. It cultivates in the student an ability to utilize professional knowledge to analyse and solve problems that occur in the domains of community and institutional practice. In this process, the student learns to communicate effectively with patients, peers and other health professionals, and exhibits confidence during these interactions.

Drug Information Resources and Evaluation (2 credits)

Pharmacy Practice seeks to acquaint the student with various information resources, and knowledge to appropriately utilize these references in responding to drug information requests. The course will review the primary, secondary and tertiary literature, indexing and abstracting systems, the systemic search strategy, and the principles of literature evaluation – ultimately, the approach for preparing, communicating and documenting the exact information needed for responding to a drug information request in an acceptable and timely manner. Additionally, it is intended that the student would become familiar with electronic databases and the Internet.

Course Title: Pharmacy Administration
Course Code: PHAR 4102
Course Credits: 4

Course Description: An introduction to pharmacy practice environment and professional issues that includes the application of marketing principles of products, pricing and promotion; the use of inventory control concepts to manage inventory and work effectively; how to manage technical personnel with proper human resources management and efficient work delegation and work flow pattern. Application of the principles of planning, organising, communicating, coordinating and controlling to evaluate and propose changes in the operations of pharmaceutical care practice in community, hospital, long-term managed care and other settings.

Course Title: Pharmacy Seminars
Course Code: PHAR 4103
Course Credits: 2
Course Description: This course will help to increase student awareness and understanding of pharmacy and health care contemporary issues and enhance the student's verbal and written presentation skills. Students will be expected to select topics of general interest in pharmacy practice, in consultation with the course coordinator or facilitators, and present to an audience consisting of their peers and faculty. Students in groups of five will select a topic of general interest in pharmacy practice, in consultation with the pharmacy practice staff and preceptors, and present it to an audience consisting of students and faculty, including preceptors. Topics may be selected from contemporary issues such as health economics, Pharmacoeconomics, pharmacoepidemiology, generic drugs and drug regulatory aspects, contemporary pharmacy practice in the country vis a vis practice in other countries, and related areas which may have some impact on the pharmacy profession and clinical cases they have come across during their experiential rotation. Each group will present two seminars. The presentations will be assessed by faculty and peers.

Course Title: Patient Care Skills
Course Code: PHAR 4109
Course Credits: 2
Course Description: This course combines two areas of patient care that will be used by practitioners in patient assessment and management, in clinical and non-clinical settings: patient counselling and clinical care skills. Teaching and assessment approaches utilise didactic lectures, interviews, case studies, patient simulation and clinical practice labs to allow students to develop skills required for medication counselling and basic clinical assessment.

FREE ELECTIVES

Course Title: Community Pharmacy Practice Management
Course Code: PHAR 4105
Course Credits: 2
Course Description: This course is designed to help students make sense of some common business principles which they would interact with in both private and public sector pharmacy. It has a strong emphasis on commonly used accounting principles, marketing, production and operations management and an appreciation of some human resource concepts.

Course Title: Institutional Pharmacy Practice Management
Course Code: PHAR 4106
Course Credits: 2
Course Description: The student is introduced to hospital pharmacy management and to services frequently associated with hospital pharmacy. The director of the pharmacy coordinates the services and activities of the pharmacy department with other departments. The pharmacy is responsible for the procurement, storage, compounding, manufacturing, packaging, dispensing, distribution and monitoring of medications through drug therapy management for hospitalised and ambulatory patients by legally qualified and professionally competent pharmacists.

Course Title: Clinical Toxicology
Course Code: PHAR 4107
Course Credits: 2
Course Description: The diversity of origins/sources and uses of chemical substances; the multiplicity of routes by which animate creatures are exposed to these substances and the variety of motivational factors and settings which these substances are deployed (employment, therapeutic care, deliberate or accidental use and abuse) make clinical toxicology a complex subject. The fundamental goal of clinical toxicology is to optimise therapy for a particular patient based on pathophysiology and basic toxicology.

Course Title: Pharmacoeconomics
Course Code: PHAR 4108
Course Credits: 2
Course Description: This course is designed to help students make sense of some common economic principles which they would interact with in both private and public sector pharmacy. It has strong emphasis on commonly used economic theory. In terms of context, the course will focus at first on an examination of the environment and strategic concerns of pharmacy business covering microeconomics, macro-economic environment, inventory control and management, budgeting.

Course Title: Research Project
Course Code: PHAR 4104
Course Credits: 2
Course Description: The research project aims to provide an opportunity for the student to engage in independent/collaborative research activities by systematic investigation of a topic of interest, utilising knowledge gained in the Biostatistics & Research Methodology course. The student will have the opportunity to write a research proposal (conduct literature review, formulate hypotheses, methodology [sample specification, outcome measurements], calculate the sample size etc.), obtain the necessary ethical approvals, conduct pilot studies, statistical issues [justification of sample size, analysis], and communicate result as an oral/poster presentation.

BACHELOR OF SCIENCE (BSC) CRIMINOLOGY AND CRIMINAL JUSTICE DEGREE PROGRAMME

The BSc in Criminology and Criminal Justice offers an interdisciplinary understanding of crime, criminal behavior, and the justice system, blending theory and practice. Emphasizing the Caribbean context with global perspectives equips students with skills in research, analysis, and ethics. Graduates are prepared for careers in law enforcement, corrections, policy-making, or further studies, with a focus on social justice and crime prevention.

PROGRAMME STRUCTURE

COURSE CODES	COURSE NAME	CREDITS
	YEAR 1	
PSYC1000	Introduction to Psychology	3
PSYC1004	Introduction to Social Psychology	3
SOCI1002	Introduction to Sociology I	3
SOCI1005	Introduction to Statistics for Behavioural Sciences	3
FOUN1101	Caribbean Civilisation	3
FOUN1006 **OR** FOUN1008	Exposition for Academic Purposes An Introduction to Professional Writing	3
FOUN0100	Fundamentals of Written English	0
GOVT1001 **OR** GOVT1005	Introduction to Political Philosophy Introduction to Public Policy Analysis	3
FREN0101 **OR** SPAN0101	Beginner's French Beginner's Spanish	3
PLUS: Two (2) additional Level 1 courses i.e. six (6) additional Level 1 course credits		6
	TOTAL YEAR 1 CREDITS	***30***
	YEAR 2	
GOVT2010	Delinquency and Juvenile Justice	3
GOVT2011	Criminal Justice Systems	3
PSYC2002	Abnormal Psychology	3
SOCI2007	Survey Design and Analysis	3
SOCI2031 (SOCI2011)	Anthropology of the Peoples of the Caribbean II	3
PLUS: Five (5) additional Level II/III courses, i.e. fifteen (15) additional Level II/III course credits		15

COURSE CODES	COURSE NAME	CREDITS
	SUGGESTED ELECTIVES:	
GEND2013	Men and Masculinities in the Caribbean	3
GOVT2062	International Security	3
	TOTAL YEAR 2 CREDITS	***30***
	YEAR 3	
GOVT3011	Violence and Development	3
SOCI3030	Sociology of Penal Practice	3
SOCI3032	Criminology I	3
SOCI3036	Criminology II: Police and Society	3
SOWK3015	Drugs and Society	3
PLUS: Five (5) additional Level II/III courses, i.e. fifteen (15) additional Level II/III course credits		15
	SUGGESTED ELECTIVES:	
GOVT2070	Anti-Corruption Strategies in Developing Countries	3
GOVT3054	Introduction to International Relations in the Caribbean	3
GEND 2013	Men and Masculinities in the Caribbean	3
GOVT 2062	International Security	3
CRMJ 3001	Psychology of Criminal Behaviour	3
	TOTAL YEAR 3 CREDITS	***30***
	TOTAL PROGRAMME CREDITS	***90***

COURSE DESCRIPTIONS FOR COURSES IN THE BSC CRIMINOLOGY AND CRIMINAL JUSTICE PROGRAMME

Course Title: Introduction To Psychology
Course Code: PSYC 1000
Course Credits: 3
Course Description: The concepts and practice of psychology are becoming increasingly important in our society. This course allows students to gain an understanding of basic principles in psychology. It also illustrates some basic techniques of measuring human behaviour. An attempt will also be made to indicate where psychological principles could play an effective part in understanding and solving certain problems. The course is organised into seven sections. An attempt will also be made to use a multi-disciplinary approach through illustrations. The theme of humanistic psychology will be used alongside the Freudian and Behaviouristic approaches to explore whether human beings have the inherent nature to transcend the environment or to remain always at the mercy of environmental forces. Among the topic areas dealt with in this course are sensation and perception, learning, motivation, memory, emotions, intelligence, personality, development and research methods. This course is a prerequisite for all other

second and third year.

Course Title: Introduction To Social Psychology
Course Code: PSYC 1004
Course Credits: 3
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 socialisation 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.

Course Title: Introduction To Political Philosophy
Course Code: GOVT 1001
Course Credits: 3
Course Description: This course provides students with an awareness of political ideas and concepts based on the writings of classic and contemporary political thinkers and philosophers.

Course Title: Introduction To Public Policy Analysis
Course Code: GOVT 1005
Course Credits: 3
Course Description: This course seeks to establish an understanding of the conceptual foundation as it relates to public policy analysis. The course will also focus on two broad areas which are policy issues/problems and policy analysis.

Course Title: Introduction to Sociology I
Course Code: SOCI 1002
Course Credits: 3
Course Description: What is Sociology about? Structures of Power. An analysis of social institutions and processes.

Course Title: Introductory Statistics for Behavioural Sciences
Course Code: SOCI 1005
Course Credits: 3
Course Description: Introduction to Statistics for the Behavioural Sciences represents an attempt to understand social and behavioural phenomena from a measurement perspective. Given the wide variation in measurement, based on the nature of the population that is being measured, this course will sensitise students to varying methods of data collection, treatment and analysis consistent with

ongoing changes and variations in behavioural phenomena. To this end, the objective of this course is to train students to measure, understand and interpret behavioural phenomena.

Course Title: Caribbean Civilisation
Course Code: FOUN 1101
Course Credits: 3
Course Description: The student develops an awareness of the main process of cultural development in the Caribbean societies, highlighting the factors, the problematic and the creative output that have fed the emergence of Caribbean identities; a perception of the Caribbean as wider than island nations or linguistic blocs; interest in and commitment to Caribbean civilisation and to further their self definition.

Course Title: Delinquency And Juvenile Justice
Course Code: GOVT 2010
Course Credits: 3
Course Description: This course surveys the roles of youth as offenders and victims. It examines statistics, research and the literature as it relates to youth, delinquency and justice, and evaluates current patterns and practices of law enforcement, criminal courts and corrections relative to youth as offenders and victims.

Course Title: Criminal Justice Systems
Course Code: GOVT 2011
Course Credits: 3
Course Description: This course examines the institutional arrangements devised by societies to respond to crime. It provides an overview of the Criminal Justice System - and while not being explicitly comparative, locates the Caribbean in the wider international context offering some comparisons and contrasts with both the developed and some developing countries. It involves a survey of the police, courts and corrections. General issues for consideration include – how and why the system developed in the region as it did; how theories relate to policies and how the existing system may be reformed and/or transformed.

Course Title: Abnormal Psychology
Course Code: PSYC 2002
Course Credits: 3
Course Description: This course introduces students to the classification, causes, and treatment of abnormal behaviour. It will examine topics such as reactions to stress and adjustment disorders, anxiety disorders, personality disorders, schizophrenia, substance-related and addictive disorders, disorders of mood and disorders of childhood and adolescence. The course provides a biopsychosocial approach to understanding the causes of psychological disorders. Methods of assessment and various treatment approaches will also be considered.

Course Code: SOCI 2007
Course Title: Survey Design And Analysis

Course Credits: 3
Course Description: This course allows students to understand the various interconnections between the methods (used in survey designs) and reliability of findings. Students gain hands-on experience with the computer, as it relates to the data entry of the actual survey which the student conducts in a test of understanding phenomena and research.

Course Title: Anthropology Of The Peoples Of The Caribbean II
Course Code: SOCI 2031 (SOCI 2011)
Course Credits: 3
Course Description: Building on Anthropology of the Peoples of the Caribbean I, students learn about some of the important institutions and processes of social change in Caribbean society. Urbanization and the changing ethnic and class relations in named Caribbean societies are considered, as are the various theoretical perspectives on the region, focusing on religion, the family, gender relations, "family land", "higglering" and "the informal sector".

YEAR 2 SUGGESTED ELECTIVES

Course Title: Men And Masculinities In The Caribbean
Course Code: GEND 2013
Course Credits: 3
Course Description: This course aims to develop an awareness of the main issues involved in the study of men and masculinities. Masculinity studies emerged in response to the feminist discourses on women, femininity and gender. It is now a growing and significant body of knowledge both internationally and in the Caribbean. This course will explore approaches to the study of men and masculinities and identify key concepts and issues for in depth consideration.

Course Title: International Security
Course Code: GOVT 2062
Course Credits: 3
Course Description: This course provides a broad conceptual framework for understanding and analysing the main challenges to international security, and for assessing the appropriate policy responses. It will examine the different approaches to security, the different ways in which security is interpreted in theory and policy and a range of traditional and non-traditional concepts of security including military, WMD, terrorism, energy security, health and security, human security and transnational crime.

Course Title: Violence And Development
Course Code: GOVT 3011
Course Credits: 3
Course Description: This course examines the historical changes in the patterns and meanings of violence globally. Special attention is paid to individual, collective and state violence in the Caribbean context. The main theories explaining the causes of violence and current research on attitudes to violence and the use of force to bring about social and political change are reviewed. Strategies of conflict management and prevention and their relationship to development and the

transformation of political culture and state institutions that seek to monopolise the legitimate use of violence are discussed.

Course Title: Sociology Of Penal Practice
Course Code: SOCI 3030
Course Credits: 3
Course Description: This course considers the sociology of policing, lower and higher courts, imprisonment, capital punishment, welfare alternatives to prison, and attempts to develop popular justice. A considerable literature from a developmental perspective is available on the police, on courts, and on alternative strategies.

Course Title: Criminology I
Course Code: SOCI 3032
Course Credits: 3
Course Description: This course seeks to provide students with a basic understanding of the major theories of crime and deviance and their relevance in terms of research and policy development. It also seeks to provide students with a working understanding of selected issues on crime with a local and Caribbean focus. Some of these selected issues include: theories of crime, Caribbean Criminology, the Muslimeen Insurrection, juvenile delinquency, white-collar crimes, crime statistics, fear of crime, community policing, victimization, gender and crime, and crime research and policy.

Course Title: Criminology II: Police and Society
Course Code: SOCI 3036
Course Credits: 3
Course Description: In Police & Society we examine and critique two of the essential institutions in society intended to treat or deal with crime: law enforcement and corrections. We will also as part of the content of the course develop complimentary research knowledge on deportees.

Course Title: Drugs And Society
Course Code: SOWK 3015
Course Credits: 3
Course Description: This course explores the use and misuse of drugs, the social consequences and the national and regional implications of drug trafficking. Theories and research relating to these issues are explored and prevention, intervention and treatment strategies are examined.

YEAR 3 SUGGESTED ELECTIVES

Course Title: Anti-Corruption Strategies In Developing Countries
Course Code: GOVT 2070
Course Credits: 3
Course Description: This course examines corruption from a developing world perspective drawing from lessons and various scholarly perspectives. It will incorporate the use of case studies, student debates, interactive lectures and other materials to enhance students' understanding of the course.

Course Title: Introduction To International Relations In The Caribbean

Course Code: GOVT 3054
Course Credits: 3
Course Description: This course examines the international relations of the Caribbean from the colonial period to the present. It traces the history and evolution of the Caribbean region through colonialism, slavery, indentureship and independence to the current era and examines the theories, which guide the discourse on Caribbean identities in an effort to facilitate a better understanding of the region. The course proceeds to examine the theoretical underpinnings of the Caribbean's development problematique in the context of the broader crisis in development faced by developing countries. It then explores the challenges faced by the Caribbean in its external relations with the superpower, the United States and magablocs such as the European Union. Finally, the course addresses the regional security dilemma in the context of the New Global Disorder ushered in by non-traditional security threats such as crime, drug-trafficking, human trafficking, environmental degradation, climate change and a global financial crisis.

Course Title: Psychology of Criminal Behaviour
Course Code: CRMJ 3001
Course Credits: 3
Course Description: This course provides an in-depth examination of scientific findings in the study of antisocial behaviour, violence, and crime. Students will be exposed to various scientific literatures, including behavioural and molecular genetics, neurophysiology, child and youth development, and social learning, with a focus on identifying and understanding individual differences in the propensity to engage in antisocial and criminal behavior. We will also examine special populations (e.g., psychopaths, sex offenders) and discuss significant developments in the assessment, treatment, and management of antisocial and criminal behaviour.

BACHELOR OF SCIENCE (BSC) PSYCHOLOGY DEGREE PROGRAMME

The Psychology program offers a comprehensive exploration of the fascinating field of psychology, providing students with a solid foundation in theoretical knowledge and practical skills. Through classroom learning, hands-on experiences, and research opportunities, students will gain insight into the complexities of human behavior, cognition, and emotions.

PROGRAMME STRUCTURE

COURSE CODES	COURSE NAME	CREDITS
	YEAR 1: SEMESTER I	
PSYC1001	Introduction to Psychology	3
PSYC1004	Introduction to Social Psychology	3
FOUN1101	Caribbean Civilisation	3
FOUN1301	Law, Governance, Economy and Society in the Caribbean	3
FREN0101 **OR** SPAN0101	Beginner's French Beginner's Spanish	3
FOUN1006 **OR** FOUN1008	Exposition for Academic Purposes An Introduction to Professional Writing	3
FOUN0100	Fundamentals of Written English	0
	TOTAL CREDITS	***18***
	YEAR 1: SEMESTER 2	
PSYC1013	Introduction to Psychological Research and Report Writing	3
PSYC1015	Historical Issues in Psychology	3
SOCI1005	Introductory Statistics for Behavioural Sciences	3
SOCI1002	Introduction to Sociology I	3
PLUS: Two (2) additional Level 1 courses i.e. six (6) additional Level 1 course credits		6
	TOTAL CREDITS	***18***
	TOTAL CREDITS YEAR 1	***36***
	YEAR 2: SEMESTER 1	
PSYC2004	Personality Psychology	3
PSYC2010	Statistics and Research Design in Psychology	3
PSYC2011	Selected Theories in Social Psychology	3
PSYC2012	Developmental Psychology	3
	TOTAL CREDITS	***12***
	YEAR 2: SEMESTER 2	

COURSE CODES	COURSE NAME	CREDITS
PSYC2002	Abnormal Psychology	3
PSYC2003	Foundations of Neuropsychology	3
PSYC2008	Cognitive Psychology	3
PSYC2019	Experimental and Applied Psychology	3
	TOTAL CREDITS	***12***
	TOTAL CREDITS YEAR 2	***24***
YEAR 3: SEMESTER 1&2		
PSYC3023	Contemporary Issues in Social Psychology	3
PSYC3028	Principles in Psychological Research	3
	Total credits	6
PLUS: Ten (10) additional Level II/III coursess i.e. thirty (30) additional Level II/III course credits		30
SUGGESTED FREE ELECTIVES | SEMESTER 1&2		
PSYC2007	Psychometrics and Testing	3
PSYC2016	Sensation and Perception	3
PSYC3002	Advanced Topics in Personality	3
PSYC3003	Community and Environmental Psychology	3
PSYC3014	Industrial and Organizational Psychology	3
PSYC3022	Learning and Memory	3
PSYC3026	History and Systems in Psychology	3
PSYC2009	Learning Theory and Practice	3
PSYC2026	Gender and Psychology	3
ACCT2019	Introduction to Accounting for Managers	3
MGMT1000	Introduction to Computers	3
MGMT2008	Organizational Management	3
MGMT3017	Human Resources Management	3
MGMT2001	Principles of Marketing	3
MGMT3024	Applied Psychology Research Methods	3
TOUR3001	Sustainable Tourism	3
	TOTAL PROGRAMME CREDITS	***96***

COURSE DESCRIPTIONS FOR COURSES IN THE BSC PSYCHOLOGY (MAJOR) PROGRAMME

Course Code: PSYC 1001
Course Title: INTRODUCTION TO PSYCHOLOGY
Course Credits: 3
Course Description: The concepts and practice of psychology are becoming increasingly important in our society. This course allows students to gain an understanding of basic principles in psychology. It also illustrates some basic techniques of measuring human behaviour. An attempt will also be made to indicate where psychological principles could play an effective part in understanding and solving certain problems. The course is organised into seven sections. An attempt will also be made to use a multi-disciplinary approach through illustrations. The theme of humanistic psychology will be used alongside the Freudian and Behaviouristic approaches to explore whether human beings have the inherent nature to transcend the environment or to remain always at the mercy of environmental forces. Among the topic areas dealt with in this course are sensation and perception, learning, motivation, memory, emotions, intelligence, personality, development and research methods. This course is a prerequisite for all other second and third year.

Course Code: PSYC 1004
Course Title: INTRODUCTION TO SOCIAL PSYCHOLOGY
Course Credits: 3
Course Description: This course is designed to introduce students to the psychological discipline that uses scientific methods to understand and explain how the thoughts, feelings and behaviour of individuals are influenced by the actual, imagined presence of others. Students will gain general knowledge of this interesting and exciting profession. Major content areas include prejudice and discrimination, prosocial behaviour, aggression, interpersonal attraction, and close relationships. Issues will be discussed within the Caribbean context.

Course Code: FOUN1101
Course Title: CARIBBEAN CIVILISATION
Course Credits: 3
Course Description: This is a level one University introductory course designed to take a multidisciplinary approach to discussing the Caribbean and its peoples. This course interrogates some issues involved with studies of Caribbean Civilisation. The course provides a general understanding of the Caribbean and the link between the region's past and its consequent contemporary Caribbean life and living. To understand the issues raised, the student will focus on the causes and nature of Caribbean demographic diversity; the problems involved with subsequent identity formation especially in the context of Diasporic double consciousness; the role the world's imperial powers have played as they continue to have an impact on Caribbean development especially due to the Caribbean's geo-strategic importance to North and South America. These themes will be linked by helping learners to develop critical thinking skills that will allow them to interrogate these discrete study areas as one homogeneous area of study that holds the Caribbean region, and its people, as central to an

understanding of them.

Course Code: FOUN1301
Course Title: LAW, GOVERNANCE, ECONOMY AND SOCIETY IN THE CARIBBEAN
Course Credits: 3
Course Description: FOUN 1301 examines four fundamental areas, which are law, governance, economy and society. This course is multipronged in its exploration of the universal themes of: human rights protection, democracy, governance, history, power, gender and development. It also introduces students to some of the major institutions in Caribbean society. The course attempts to address a wide range of historical and contemporary social, economic, legal and political forces that continue to shape the evolution of the Caribbean region. It sheds light on these issues using international and domestic law. In addition to this, it discusses some of the main challenges faced by Caribbean countries to decipher if globalisation has compounded the level of vulnerability of these states.

Course Code: FREN0101
Course Title: BEGINNER'S FRENCH
Course Credits: 3
Course Description: This course is designed for students with little to no prior knowledge of French. It introduces the basics of the French language, including fundamental vocabulary, grammar, pronunciation and provide a comprehensive introduction to Francophone cultures. Through interactive lessons, practical exercises, and cultural demonstrations, students will develop foundational skills in speaking, listening, reading, and writing in French. The course will focus on everyday communication, enabling students to engage in basic conversations, understand simple written texts, and express themselves in both spoken and written forms. Additionally, students will gain insights into the cultural contexts in which the French language is used, augmenting their appreciation for global diversity.

Course Code: SPAN0101
Course Title: BEGINNER'S SPANISH
Course Credits: 3
Course Description: This course is designed for students with little or no background in Spanish. It seeks to develop command of the essential elements of the Spanish grammar as well as basic communicative competence. This course is assessed using 100% coursework and the assessment shall be based on: greetings, expressions of courtesy and family; jobs and studies; my city; leisure and shopping; the use of the present tense of regular and irregular verbs and the present perfect of regular and irregular verb.

Course Code: FOUN1006
Course Title: EXPOSITION FOR ACADEMIC PURPOSES
Course Credits: 3
Course Description: This course is designed to deliver instruction in the construction of researched essays, paying attention to the techniques of development and the use of the conventions of academic writing: appropriate summary, paraphrase, and quotation. It also seeks to encourage the value of language in communication.

Hence it challenges students to achieve communicative competency; an appreciation of varieties of language, suitability of purpose and audience to chosen variety and level of formality.

Course Code: FOUN1008
Course Title: AN INTRODUCTION TO PROFESSIONAL WRITING
Course Credits: 3
Course Description: This course is designed to help students develop skills common to all professional, workplace-oriented writing, whether in business or science. It functions to improve their writing and presentation skills across the curriculum, requires them to practice self and peer editing, provides a guide to ethical research methods, and promotes collaborative work. Students can apply the skill sets learnt to evaluating and producing written and spoken material in a variety of business, scientific and professional situations

Course Code: FOUN 0100
Course Title: FUNDAMENTALS OF WRITTEN ENGLISH
Course Credits: 0
Course Description: This course is designed to help students develop skills common to all professional, workplace-oriented writing, whether in business or science. It functions to improve their writing and presentation skills across the curriculum, requires them to practice self and peer editing, provides a guide to ethical research methods, and promotes collaborative work. Students can apply the skill sets learnt to evaluating and producing written and spoken material in a variety of business, scientific and professional situations.

Course Code: PSYC 1013
Course Title: INTRODUCTION TO PSYCHOLOGICAL RESEARCH AND REPORT WRITING
Course Credits: 3
Course Description: Introduction to Psychological Research and Report Writing This course introduces Psychology students to basic research methods (quantitative and qualitative). Students gain hands-on experience in data collection and analysis. They will learn to analyse data using the Statistical Package for the Social Sciences and become familiar with selected qualitative data analytic procedures. Students will learn how to format a research paper following guidelines from the American Psychological Association.

Course Code: PSYC 1015
Course Title: HISTORICAL ISSUES IN PSYCHOLOGY
Course Credits: 3
Course Description: Historical Issues in Psychology. This course introduces students to the notable paradigm shifts within psychology and provides the critical skills necessary to evaluate theories within their historical, disciplinary, social, and political context. The course explores the development of modern science under Descartes; considers British empiricism, physiological roots of psychology, French Clinical tradition, psychophysics, Wilhelm Wundt, E. B. Titchener and Structuralism, Darwinian influences, Functionalism, animal experimental psychology, Behaviourism, Neobehaviourism, psychoanalysis, and Gestalt psychology.

Course Code: SOCI 1005
Course Title: INTRODUCTION TO STATISTICS FOR BEHAVIOURAL SCIENCES
Course Credits: 3
Course Description: This course introduces students to basic univariate and bivariate statistics. It focuses on levels of measurement and the appropriate interpretation of each statistic computed.

Course Code: SOCI 1002
Course Title: INTRODUCTION TO SOCIOLOGY I
Course Credits: 3
Course Description: This course will introduce students to classical social theory through an understanding of the work of writers such as Auguste Comte, Max Weber, Karl Marx and George H. Mead. The main focus of this studying is to understand the central ideas of these writers and to reflect on the usefulness of their theory in contemporary Caribbean societies. This reflection will support students' further investigations of the explanations given for issues on the front line of Caribbean societies' development agendas. At the same time, students will learn about the central ideas and perspectives of writers such as Edward Kamau Brathwaite, M.G. Smith and George Beckford. The combination of classical and Caribbean schools of social inquiry will set the tone for a synthesizing of perspectives on race, class, gender, ethnicity and the family in society. This process will assist students with developing their theoretical base in social theory, as well as independent thought on happenings in Caribbean society.

Course Code: PSYC 1004
Course Title: INTRODUCTION TO SOCIAL PSYCHOLOGY
Course Credits: 3
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 socialisation 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.

Course Code: PSYC 1009
Course Title: RESEARCH METHODS IN PSYCHOLOGY
Course Credits: 3
Course Description: This course introduces the first-year psychology undergraduate student to science as a philosophy, and psychology as a branch of science. Research methods unique to psychology and the ethical implications of studying

human behaviour will be covered. The content to be covered in the course includes conducting literature review and evaluation of psychological research, understanding psychological measures and designing ethical psychological studies, and communicating research findings to others.

Course Code: PSYC 2004
Course Title: PERSONALITY THEORY
Course Credits: 3
Prerequisites: PSYC 1001 OR PSYC 1004
Course Description: This course will provide a comprehensive understanding of the major theories of personality and the theorists themselves (e.g. Freud, Skinner, Maslow, Bandura, Erikson, Cattell and Eysenck). It will also examine research methods in personality psychology to help students understand the scientific study of human personality. In addition, the course will explore the assumptions about human nature that underlie each perspective.

Course Code: PSYC 2010
Course Title: STATISTICS AND RESEARCH DESIGN IN PSYCHOLOGY
Course Credits: 3
Prerequisites: PSYC 1001 OR PSYC 1004 AND ECON 1005 OR SOCI 1005 AND PSYC 1009
Course Description: Parametric and non-parametric statistical procedures and their descriptive and inferential application to behavioural research are applied to a variety of research questions and experimental designs emphasizing those used in psychological research. Computer programming for data organisation and analysis is taught. Concepts and techniques learnt in this course are generously applied throughout later psychology courses.

Course Code: PSYC 2011
Course Title: SELECTED THEORIES IN SOCIAL PSYCHOLOGY
Course Credits: 3
Prerequisites: PSYC 1001 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, analysing 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.

Course Code: PSYC 2012
Course Title: DEVELOPMENTAL PSYCHOLOGY
Prerequisites: PSYC 1001 OR PSYC 1004
Course Credits: 3
Course Description: This course focuses on the unfolding of the 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.

Course Code: PSYC 2002
Course Title: ABNORMAL PSYCHOLOGY
Course Credits: 3
Prerequisites: PSYC 1001 OR PSYC 1004
Course Description: This course introduces students to the classification, causes, and treatment of abnormal behaviour. It will examine topics such as reactions to stress and adjustment disorders, anxiety disorders, personality disorders, schizophrenia, substance-related and addictive disorders, disorders of mood and disorders of childhood and adolescence. The course provides a biopsychosocial approach to understanding the causes of psychological disorders. Methods of assessment and various approaches for treatment will also be considered.

Course Code: PSYC 2003
Course Title: FOUNDATIONS OF NEUROPSYCHOLOGY (PHYSIOLOGICAL PSYCHOLOGY)
Prerequisites: PSYC 1001 OR PSYC 1004
Course Credits: 3
Course Description: This course examines the relationship between neurobiological processes and psychological processes through experimental and clinical data. The course focuses on the organisation of the nervous system, the role of the neurobiological process in sensory experiences, sleep, attention, arousal, motivation, emotions, learning, memory and language.

Course Code: PSYC 2008
Course Title: COGNITIVE PSYCHOLOGY
Prerequisites: PSYC 1001 OR PSYC 1004
Course Credits: 3
Course Description: Cognitive psychology is the study of how the mind is organised to produce cognition that influences behaviour. This course introduces the field of cognitive psychology and facilitates an understanding of how cognition contributes to human behavior and mental processes such as perception, attention, learning, memory, language, problem-solving, judgement, and emotion.

Course Code: PSYC 2019
Course Title: EXPERIMENTAL AND APPLIED PSYCHOLOGY
Prerequisites: PSYC 1001 OR PSYC 1004 AND ECON 1005 OR SOCI 1005
Course Credits: 3
Course Description: Students acquire advanced skills in psychological experimentation and also an understanding of how psychological concepts can be applied towards solving human problems Experimental work will emphasise theories and concepts obtained from psychology courses previously or concurrently taken, showing the value and implications of experimental work in psychology.

Course Code: PSYC 3023

Course Title: CONTEMPORARY ISSUES IN SOCIAL PSYCHOLOGY
Prerequisites: PSYC 1001 OR PSYC 1004
Course Credits: 3
Course Description: This course emphasises the linkages between social psychological theory and social issues. It illustrates how social psychological theories and/or principles (conformity, cognitive dissonance, schematic processing etc.) can be applied in understanding and solving social problems in Caribbean societies and Trinidad and Tobago, in particular. Insights into current issues and research processed are also acquired from critiques of refereed publications.

Course Code: PSYC 3028
Course Title: PRINCIPLES IN PSYCHOLOGICAL RESEARCH
Prerequisites: PSYC 1009, PSYC 2010 AND PSYC 2019
Course Credits: 3
Course Description: In order to pursue this course, students must be in Level 3 and MUST be registered in the Psychology Major Programme. This course is designed to provide students with the opportunity to develop a detailed research proposal for investigating a contemporary psychological issue. Students will go through the entire process of developing a research idea and put forward important elements required to conduct the research. The content and process of this course provide students with the basic requirements necessary for conducting psychological research in the future. Students will not be required to carry out the research (i.e. collect data on the proposed research topic) because time (one semester), will not permit the collection and analysis of data.

SUGGESTED FREE ELECTIVES

Course Code: PSYC 2007
Course Title: PSYCHOMETRICS AND TESTING
Course Credits: 3
Prerequisites: NONE
Course Description: It is of integral importance that students from an early stage understand and appreciate the need for rigorous testing in the field of Psychology. This course will provide an in-depth look into the field of psychometrics (a.k.a. psychological measurement) which addresses psychological testing and assessment. An exploration of psychological testing will include an examination of the history, theory, and construction of tests as well as a survey of principal individual and group tests of intelligence, personality, interest, and ability currently used in clinical, practitioner and research settings. Special attention will be placed on the development of 75 student evaluation skills to enable them to determine the psychometric soundness of tests. The reliability, validity, the application and the suitability of psychological tests for the specific cultural environment and ethics of psychological testing will be addressed.

Course Code: PSYC 2016
Course Title: SENSATION AND PERCEPTION
Prerequisites: PSYC 1001 OR PSYC 1004
Course Credits: 3
Course Description: Humans are constantly taking in information from the environment, whether it is the words on this page or the sounds in the classroom. Sensation involves the biological mechanisms that detect physical stimuli and translate them into neural activity. Perception refers to the processes the brain uses to actively

interpret sensory information and form a representation of the external world. This course will focus on the biological and cognitive mechanisms of sensation and perception in the visual and auditory systems, and other sensory modalities.

Course Code: PSYC 3002
Course Title: ADVANCED TOPICS IN PERSONALITY
Prerequisites: PSYC 1001 OR PSYC 1004
Course Credits: 3
Course Description: This course extends on the major theories of personality covered in PSYC 2004. Further theories are also presented in offering a more comprehensive coverage of the field. In addition, a variety of selected issues are considered including the role of personal, cultural, biological and environmental influences. Case studies provide an application component to the course.

Course Code: PSYC 3003
Course Title: COMMUNITY & ENVIRONMENTAL PSYCHOLOGY
Prerequisites: PSYC 1001 OR PSYC 1004
Course Credits: 3
Course Description: Theories developed in a variety of areas – social psychology, sociology, ethnology, political science, architecture and anthropology are synthesized to understand and assess the interaction between the individual and his/her environment.

Course Title: INDUSTRIAL AND ORGANISATIONAL PSYCHOLOGY
Course Code: PSYC 3014
Course Credits: 3
Course Description: This course explores the applications of psychological theories and concepts to problems encountered in work environments with special reference to the Caribbean. It will address the research methods and consulting techniques used to study and modify behaviour in organisations. Topics for discussion will include research methods in Industrial and Organisational Psychology, employee recruitment and selection, evaluating employee performance, employee training and development, motivation, job satisfaction, communication, organisational culture and human factors.

Course Code: PSYC 3022
Course Title: LEARNING AND MEMORY
Prerequisites: PSYC 1001 OR PSYC 1004
Course Credits: 3
Course Description: This course will explore how humans acquire and remember Information that allows them to meet the demands of a complex world. The focus is on learning and memory in humans, but it will also cover how studying lower animals is beneficial. Learning is almost always associated with the behaviourist school while memory, for the most part, has fallen into the cognitivist camp. The approach taken offers a more comprehensive picture of the learning process through a synthesis of the behaviouristic and cognitivistic perspectives. In addition, brain-behaviour relationships are highlighted as these underscore the natural integration of the learning process.

Course Code: PSYC 3026
Course Title: HISTORY AND SYSTEMS IN PSYCHOLOGY

Prerequisites: PSYC 1001 OR PSYC 1004
Course Credits: 3
Course Description: The purpose of this course is to familiarize students with the various systems of thought that have developed over the lifespan of psychology from its philosophical origins to recent perspectives. This course will primarily rely upon readings, class presentation, and class discussion to convey this body of knowledge.

Course Code: PSYC2009
Course Title: LEARNING THEORY AND PRACTICE:
Prerequisites: PSYC 1003 – Introduction to Psychology OR PSYC1025 Discovering Psychology:
Course Credits: 3
Course Description: This course presents the main features of the psychological theories of human learning and places them in their appropriate historical context. Learning theories are conceptual models for explaining how information is absorbed, processed, and retained when learning in different settings. Students will examine the links between learning theories and practices through their application to homes, schools and organisations in the Caribbean.

Course Code: PSYC2026
Course Title: GENDER AND PSYCHOLOGY:
Course Credits: 3
Course Description: This course explores how biological and cultural factors influence the development of gender identities and roles, and how these roles affect personal, social, and professional lives. The course also examines the social and emotional barriers to power that women may face in Caribbean societies.

Course Code: ACCT 2019
Course Title: INTRODUCTION TO ACCOUNTING FOR MANAGERS
Course Credits: 3
Course Description: This course focuses on both the preparation and analysis of financial statements from the perspective of both users and preparers of financial information. The course aims to develop students' technical and problem-solving skills related to the accounting process.

Course Code: MGMT 1000
Course Title: INTRODUCTION TO COMPUTERS
Course Credits: 3
Course Description: This course deals with the basics, major concepts and principles of computers and computing. Topics covered include: evolution and classification of computers, computer hardware, software and data communications; computer data processing; and microcomputers in business.

Course Code: MGMT 2008
Course Title: ORGANISATIONAL MANAGEMENT
Prerequisites: MGMT 1001 **OR** SOCI 1002 **OR** AGEX 1000 **OR** COMP1400 and COMP1401 **OR** COMP 1601
Course Credits: 3
Course Description: This course uses the systems approach to organisations to highlight how

interrelated variables such as people, technology, task, structure and external environments impact on organisational effectiveness. Emphasis is on the nature of behavioural issues and how and why they impact on the functioning of organisations.

Course Code: MGMT 3017
Course Title: HUMAN RESOURCE MANAGEMENT
Course Credits: 3
Course Description: This course introduces students to the organisational models and designs that will most effectively procure, integrate, develop, protect, compensate and maintain the human resources of the organisation. Students will be exposed to a cross section of Caribbean cases and readings and will analyse the implications of the HR practices on the region's development.

Course Code: MGMT 2001 (MKTG 2001)
Course Title: PRINCIPLES OF MARKETING
Course Credits: 3
Course Description: This course is designed to expose students to modern concepts and tools for marketing. The focus will be on fundamentals of marketing such as consumer behaviour, the environment of marketing, marketing information systems, and how managers use the marketing mix strategies to achieve organisational goals. Lectures will be complemented by industry guest lectures and field visits to companies operating in the corporate environment.

Course Code: MGMT 3024 (PSYC 3024)
Course Title: APPLIED PSYCHOLOGY RESEARCH METHODS
Course Credits: 3
Course Description: focuses on equipping students with the knowledge and practical skills necessary to conduct psychological research, with an emphasis on applied settings. The course covers research philosophies, ethical considerations, various research designs (experimental, quasi-experimental, correlational), and data analysis techniques. Students will also learn how to develop research proposals and write research reports.

Course Code: TOUR 3001
Course Title: SUSTAINABLE TOURISM
Course Credits: 3
Course Description: The concept of sustainable tourism will be fully explored with the use of international, regional and national case examples. The supporting policy and planning mechanisms to achieve sustainable tourism in the Caribbean will be outlined. Sustainable tourism is designed to expose the student to the principles of sustainable development within a tourism context. Many Caribbean countries are dependent on the service industries in general and tourism in particular as a means of ensuring economic growth and development. This course will highlight the importance of tourism in providing economic, socio-cultural and environmental sustainability for Caribbean economies.

BACHELOR OF SCIENCE (BSC) SPORT COACHING DEGREE PROGRAMME

The Sport Coaching program provides aspiring coaches with the knowledge, skills, and practical experience necessary to excel in sports coaching. This program emphasises the principles of coaching philosophy, athlete development, and effective communication techniques.

PROGRAMME STRUCTURE

COURSE CODES	COURSE NAME	CREDITS
	YEAR 1: SEMESTER I	
HIST 1018	HIST 1018: The Origins and Growth of Modern Sport (1850 – 1945)	3
FOUN 1105	Scientific and Technical Writing	3
SPKN 1101	Human Anatomy 1 – The Upper Quadrant	3
SPKN 1102	Introduction to Physiology	3
FOUN1101	Caribbean Civilisation	3
FREN0101 **OR** SPAN0101	Beginner's French Beginner's Spanish	3
	TOTAL CREDITS	***18***
	YEAR 1: SEMESTER 2	
SPKN 1103	Human Anatomy 2 – The Lower Quadrant	3
SPKN 1104	Introduction to Sport and Exercise Psychology	3
SPCH 1000	Sport Coaching: Basic Concepts	3
SPCH 1010	Coaching Practicum 1	3
	TOTAL CREDITS	***12***
	TOTAL CREDITS YEAR 1	***30***
	YEAR 2: SEMESTER 1	
PHIL 2028	Sports Ethics	3
SOCI 1005	Introductory Statistics for the Behavioural Sciences	3
SPCH 2000	Fundamentals of Coaching	3
SPKN 2102	Exercise Physiology 1	3
SPKN 2106	Sport and Exercise Nutrition	3
SPKN 2104	Motor Control and Motor Learning	3
	TOTAL CREDITS	***18***
	YEAR 2: SEMESTER 2	
SPKN 2103	Exercise Physiology 2	3

COURSE CODES	COURSE NAME	CREDITS
FOUN 1210	Science, Medicine and Technology in Society to be taken if exempt from the foreign language requirement.	
SPKN 2107	Sport and exercise Biomechanics	3
SPCH 2001	Sport Coaching and Learning	3
SPCH 2010	Coaching Practicum 2	3
	TOTAL CREDITS	***12***
	TOTAL CREDITS YEAR 2	***30***
	YEAR 3: SEMESTER 1	
LANG 3101	Communication in the Workplace: Principles	3
SPCH 3000	Advance Coaching	3
SPKN 3102	Applied Biomechanics in Sport and Exercise	3
SPKN 3101	Strength and Conditioning Training	3
SPCH 3010	Coaching Practicum 3	3
SPSC 2025	Sport Law	3
	TOTAL CREDITS	***18***
	YEAR 3: SEMESTER 2	
SPKN 2108	Pharmacology and Doping in Sport	3
SPKN 3106	Ergonomics in Sport and Physical Activity	3
SPCH 3001	Research Methods in Sport Coaching	3
SPCH 3020	Coaching Practicum 4	3
SPCH 3030	Coaching Practicum 5	3
	TOTAL CREDITS	***15***
	TOTAL CREDITS YEAR 3	***30***
	TOTAL PROGRAMME CREDITS	***90***

COURSE DESCRIPTIONS FOR COURSES IN THE BSC SPORT COACHING PROGRAMME

Course Title: The Origins and Growth of Modern Sport, 1850 1945
Course Code: HIST 1018
Course Credits: 3
Course Description: (This course is offered through the Department of History at the Mona Campus) This course is meant to be an introductory course for students doing a Major or Minor in Sports Studies, or who have a general interest in sports and wish to have an understanding of the origins and growth of modern sport. The course covers a broad range of social, economic and political issues related to the development of sport from the middle of the nineteenth century to the end of the Second World War. It explores the formal organisation of sports in the nineteenth and twentieth centuries with the formation of ruling bodies, codified rules, formal competitions

and the beginnings of international sporting contests. It also seeks to explore the emerging value systems surrounding sport: ones that were frequently classist, sexist and racist.

Course Title: Scientific and Technical Writing
Course Code: FOUN 1105
Course Credits: 3
Course Description: The aim of this course is to develop students writing skills in areas related to their academic disciplines. There will be twenty-four (24) contact hours. Classroom activity will be supplemented by printed materials. Option C Scientific and Technical Writing (Compulsory for FST Students) Technical Description Expository Writing for Scientific and Technical Purposes.

Course Title: Human Anatomy 1 – The Upper Quadrant
Course Code: SPKN 1101
Course Credits: 3
Course Description: This course covers the anatomy of the upper quadrant of the body. Students will be exposed to histology, embryology and the gross anatomy of the, upper limb and thorax. Key features of different muscles and bones in the upper quadrant will be examined together with the associated functions of the musculoskeletal structures in the upper quadrant. Common sporting injuries for the upper quadrant will also be discussed.

Course Title: Introduction to Physiology
Course Code: SPKN 1102
Course Credits: 3
Course Description: The course introduces students to the basic function of the major organs and organ systems of the human body. It describes how the different systems of the body are involved in performing specific tasks and how their functions are integrated. Students are given a general overview of all organ systems followed by a detailed exploration of neuromuscular, cardiovascular and respiratory systems.

Course Title: CARIBBEAN CIVILISATION
Course Code: FOUN 1101
Course Credits: 3
Course Description: The student develops an awareness of the main process of cultural development in the Caribbean societies, highlighting the factors, the problematic and the creative output that have fed the emergence of Caribbean identities; a perception of the Caribbean as wider than island nations or linguistic blocs; stimulate students' interest in, and commitment to Caribbean civilisation and to further their self-definition.

Course Title: Beginner's French
Course Code: FREN 0101
Course Credits: 3
Course Description: This course is designed for students with little or no background in Spanish. It seeks to develop command of the essential elements of the Spanish grammar as well as basic communicative competence. This course is assessed using 100% coursework and the assessment shall be based on: greetings, expressions

of courtesy and family; jobs and studies; my city; leisure and shopping; the use of the present tense of regular and irregular verbs and the present perfect of regular and irregular verbs.

Course Title: Beginner's Spanish
Course Code: SPAN 0101
Course Credits: 3
Course Description: This course is designed for students with little or no background in Spanish. It seeks to develop command of the essential elements of the Spanish grammar as well as basic communicative competence. This course is assessed using 100% coursework and the assessment shall be based on: greetings, expressions of courtesy and family; jobs and studies; my city; leisure and shopping; the use of the present tense of regular and irregular verbs and the present perfect of regular and irregular verbs.

Course Title: Human Anatomy 2 – The Lower Quadrant
Course Code: SPKN 1103
Course Credits: 3
Course Description: Through a mixture of lectures and interactive activities students will be exposed to the structure and function of the lower quadrant of the human body. This course covers the gross anatomy of the lower limbs, lumbar spine and abdomen. Key features of different muscles and bones in the lower quadrant will be examined together with the associated functions of the musculoskeletal structures in the lower quadrant. Common sporting injuries for the lower quadrant will also be discussed.

Course Title: Introduction to Sport and Exercise Psychology
Course Code: SPKN 1104
Course Credits: 3
Course Description: This course exposes students to a psychological approach to understanding human responses and adaptations to sport and exercise. Lectures, case studies, and seminars provide a platform for discussion and understanding of cognitions, affect and behaviour and the complex interactions between these. Students will acquire knowledge and understanding of sport and exercise performance and psychological factors that impact on exercise adherence. A key aim is to provide an understanding of the application of theory to real 'applied' situations within sport and exercise settings.

Course Title: Sports Coaching: Basic Concepts
Course Code: SPCH 1000
Course Credits: 3
Course Description: Through a mixture of lectures and interactive activities students will explore issues such as conceptual development in sports, coaching philosophy in sports, complex interactions between the athlete and coaches, team planning and they will also explore the different roles and contributions of the coach at individual and societal levels.

Course Title: COACHING PRACTICUM 1
Course Code: SPCH 1010
Course Credits: 3
Course Description: During this course students will observe coaches planning and implementing

coaching sessions. They will also interact with the athletes to obtain their perception of the sessions. Students will rotate every two weeks through a different sport. Each week they will be required to submit an analytical piece to the course coordinator based on their observation of the coaching session.

Course Title: Sports Ethics
Course Code: PHIL 2028
Course Credits: 3
Course Description: Students in this course will examine the conceptual framework for ethical decision-making, using sports and moral conflicts presented in sports as prism through which to examine normative perspectives. Key ethical theories will be discussed, including hedonism, egoism, virtue ethics, deontology, utilitarianism, and social contract ethics. Relevant moral ideas and concepts will be explored. The course considers issues in the business and culture of sports, including sponsorship, sport as entertainment and its relation to the philosophical concept of the good life. It also addresses the ethics of competition, cheating and the use of performance enhancing drugs. And it considers the rights and needs of vulnerable groups in sports, including minors and differently abled athletes.

Course Title: Introductory Statistics for the Behavioural Sciences
Course Code: SOCI 1005
Course Credits: 3
Course Description: This course aims to introduce students to basic univariate and bivariate statistics. A student who successfully completes this course will possess a reasonable level of knowledge of basic statistics and their interpretations.

Course Title: Fundamentals of Coaching
Course Code: SPCH 2000
Course Credits: 3
Course Description: This course is a crucial stepping stone for students pursuing a career in sports coaching. It provides the fundamental building blocks upon which more specialised coaching skills and knowledge can be developed. Students will be able to link core values and philosophy to coaching practice. According to UWI, this course also helps students build and design evaluation systems.

Course Title: Exercise Physiology 1
Course Code: SPKN 2102
Course Credits: 3
Course Description: This course covers the physiology of exercise as it relates to the neuromuscular and musculoskeletal systems as well as hormonal control during exercise. Through a mixture of lectures and interactive activities students will be exposed to concepts related to fitness assessments including muscular strength, endurance, flexibility, power, speed, agility, muscle metabolism and hormonal control during exercise. Theories explaining strength gains with training will be explored as well as exercise prescription for different age groups and for persons with different fitness levels.

Course Title: Sport and Exercise Nutrition
Course Code: SPKN 2106

Course Credits: 3
Course Description: Through a mixture of lectures and interactive activities students will be exposed to concepts related to nutritional sources for athletes, sport performance and energy demands, food selection, digestion and hydration. Students will learn to how to complete a nutritional assessment using food logs and how to help athletes establish nutrition-based goals.

Course Title: Introduction to Motor Control and Motor Learning
Course Code: SPKN 2104
Course Credits: 3
Course Description: This course exposes the student to theories and concepts regarding how movement occurs. Through a mixture of lectures and interactive lab activities students begin to develop an understanding of how movement skills are acquired and explore methods to improve motor learning and retention of learning. Topics include control of movement, sensory and perceptual contributions to motor learning, information processing, optimal conditions for learning motor skills, modes of feedback delivery during learning, and individual variability in skill acquisition. Students will apply the principles of motor learning to coaching, athletic training and exercise for health and wellbeing.

Course Title: Exercise Physiology 2
Course Code: SPKN 2103
Course Credits: 3
Course Description: This course covers the physiology of exercise as it relates to the Cardiovascular and pulmonary systems. Through a mixture of lectures and interactive activities students will explore issues such as normal and abnormal cardiorespiratory function, response to exercise training, aerobic and anaerobic training in different environmental conditions. Exercise prescription for several different groups will be explored.

Course Title: Science. Medicine and Technology in Society (to be taken if exempt from the foreign language requirement)
Course Code: FOUN 1210
Course Credits: 3
Course Description: The overall aim of the course is to develop the ability of students to engage in an informed manner in public discourse on matters pertaining to the impact of science.

Course Title: Sport and Exercise Biomechanics
Course Code: SPKN 2107
Course Credits: 3
Course Description: Through a mixture of lectures and interactive activities students will gain knowledge on the mechanical operation of the human body. They will learn how the body generates forces and how to calculate these forces. They will also be introduced to the concepts like torque and moments and learn how these can be manipulated to maintain equilibrium. The impact of external forces will also be examined, and students will learn how to determine optimal.

Course Title: Sport Coaching and Learning

Course Code: SPCH 2001
Course Credits: 3
Course Description: Through a mixture of lectures and interactive activities students will be exposed to different learning theories and explore how each can be applied to developing more effective coaching sessions. These include behavioural and social cognitivist, experiential, humanist, constructivist and critical and post-structural theories. The social and ethical aspects of learning will also be explored.

Course Title: Coaching Practicum 2
Course Code: SPCH 2010
Course Credits: 3
Course Description: This course provides the student with an opportunity to practice coaching skills. Students will be expected to prepare and deliver weekly coaching plans for the assigned sport. Every two weeks students will submit a sample of one coaching plan done during the period, a reflective piece the coaching session associated with the plan and a revised plan based on the reflective piece and input from coaching supervisors.

Course Title: Communication in the Workplace: Principles
Course Code: LANG 3101
Course Credits: 3
Course Description: In this course, students are exposed to the different types of communicative instruments of the workplace, and engage in reflection on cultural and ethical considerations in workplace communication. The course seeks to develop students' own communication skills for the workplace through the repeated and consistent application of related principles and practices and team approaches to writing and speaking activities.
Course Title: Advanced Coaching
Course Code: SPCH 3000
Course Credits: 3
Course Description: Through a mixture of lectures and interactive activities students will be able to link core values and philosophy in coaching. They will learn how to develop team cohesion and trust, optimise athletes' performance and build and design evaluation systems. Students will also learn to identify signs of burnout in athletes and how to help athletes manage pressure.

Course Title: Applied Biomechanics in Sport and Exercise
Course Code: SPKN 3102
Course Credits: 3
Course Description: Through a mixture of lectures and interactive activities students will be exposed to various methods of conducting complex analysis of movement patterns using qualitative and quantitative methods. They will be exposed to current literature regarding analysis of important activities in some sports for example bowling, sprint starts, golf swings. Students will also be exposed to the range of technology available for conducting movement analysis.

Course Title: Strength and Conditioning Training
Course Code: SPKN 3101
Course Credits: 3
Course Description: Through a mixture of lectures and interactive activities students will explore

different approaches and theories with regards to strength training. They will be exposed to goal setting and injury prevention during strength and conditioning training and will examine issues related to strength and conditioning training in special groups like young athletes, women and senior athletes.

Course Title: Coaching Practicum 3
Course Code: SPCH 3010
Course Credits: 3
Course Description: This course provides the student with an opportunity to practice coaching skills. Students will be expected to prepare and deliver weekly coaching plans for the assigned sport. At the end of each week students will submit their original coaching plan, a reflective piece on the week's coaching activities and a revised plan based on the reflective piece and input from coaching supervisors. Students will also be required to analyse individual athletes and identify strengths and weaknesses in movement performance.

Course Title: Sport Law
Course Code: SPSC 2025
Course Credits: 3
Course Description: This course, which is aimed at sports administrators principally, addresses the major legal themes that intersect the regulation and management of sporting activity. The approach is analytical in nature and it should prove applicable both in the articulation of issues when seeking professional advice and as a tool to resolve minor legal issues that may arise from time to time.

Course Title: Pharmacology and Doping in Sports
Course Code: SPKN 2108
Course Credits: 3
Course Description: This course will explore the history of doping in sports and students will be exposed to the list of banned substances, methods of testing, pharmacology associated with doping and testing, the role of the World Anti-Doping Agency (WADA) and resources where they can remain current with changes in the list of substances and regulations regarding doping in sports.

Course Title: Ergonomics in Sports and Physical Activity
Course Code: SPKN 3106
Course Credits: 3
Course Description: Through a mixture of lectures and interactive activities students will explore issues such as the design of effective equipment, clothing, and playing surfaces; methods of assessing risk in situations; and staying within appropriate training levels to reduce fatigue and avoid overtraining. Ergonomics will also be explored in the context of physically active special populations.

Course Title: Research Methods in Sports Coaching
Course Code: SPCH 3001
Course Credits: 3
Course Description: This course is designed to introduce the principles and ethical considerations in relation to different types of research. Topics covered include developing a research question, critiquing the literature, research designs, data collection, theory of measurement and principles of data analysis. Students are expected to develop skills in critically appraising published literature, developing research

questions and writing research proposals.

Course Title: Coaching Practicum 4
Course Code: SPCH 3020
Course Credits: 3
Course Description: This course provides the student with an opportunity to practice coaching skills. Students will be expected to prepare and deliver weekly coaching plans for the assigned sport. At the end of each week students will submit their original coaching plan, a reflective piece on the week's coaching activities and a revised plan based on the reflective piece and input from coaching supervisors. Students will also be required to analyse individual athletes and identify strengths and weaknesses in movement performance.

Course Title: Coaching Practicum 5
Course Code: SPCH 3030
Course Credits: 3
Course Description: This course provides the student with an opportunity to practice coaching skills. Students will be expected to prepare and deliver weekly coaching plans for the assigned sport. At the end of each week students will submit their original coaching plan, a reflective piece on the week's coaching activities and a revised plan based on the reflective piece and input from coaching supervisors. Students will also be required to analyse individual athletes and identify strengths and weaknesses in movement performance.

BACHELOR OF SCIENCE (BSC) SPORT KINETICS DEGREE PROGRAMME

The Sport Kinetics program offers a comprehensive approach to understanding the biomechanics and physiology behind athletic performance. This program delves into the intricate mechanisms of human movement, exploring how various factors such as anatomy, physics, and psychology influence sports performance.

PROGRAMME STRUCTURE

COURSE CODES	COURSE NAME	CREDITS
	YEAR 1: SEMESTER I	
HIST 1018	The Origins and Growth of Modern Sport (1850 – 1945)	3
FOUN 1014	Critical Reading and Writing for Science and Technology and Medical Science	3
SPKN 1101	Human Anatomy 1 – The Upper Quadrant	3
SPKN 1102	Introduction to Physiology	3
FOUN1101	Caribbean Civilisation	3
FREN0101 **OR** SPAN0101	Beginner's French Beginner's Spanish	3
	TOTAL CREDITS	***18***
	YEAR 1: SEMESTER 2	
SPKN 1103	Human Anatomy 2 – The Lower Quadrant	3
SPKN 1104	Introduction to Sport and Exercise Psychology	3
SPCH 1000	Sport Coaching: Basic Concepts	3
SOCI 1005	Introductory Statistics for the Behavioural Sciences	3
	TOTAL CREDITS	***12***
	TOTAL CREDITS YEAR 1	***30***
	YEAR 2: SEMESTER 1	
PHIL 2028	Sports Ethics	3
SPKN 2102	Exercise Physiology 1	3
SPKN 2106	Sport and Exercise Nutrition	3
SPKN 2104	Motor Control and Motor Learning	3
SPKN 2105	Research Methods in Sport and Exercise Science	3
	TOTAL CREDITS	***15***
	YEAR 2: SEMESTER 2	
SPKN 2103	Exercise Physiology 2	3
SPKN 2107	Sport and exercise Biomechanics	3
SPKN 2108	Pharmacology and Doping in Sport	3

COURSE CODES	COURSE NAME	CREDITS
SPKN 2109	Adaptive Sport Kinetics	3
SPKN 2110	Resonsible Conduct of Research	3
	TOTAL CREDITS	***15***
	TOTAL CREDITS YEAR 2	***30***
	YEAR 3: SEMESTER 1	
LANG 3101	Communication in the Workplace: Principles	3
SPKN 3102	Applied Biomechanics in Sport and Exercise	3
SPKN 3101	Strength and Conditioning Training	3
SPKN 3103	Data Analysis in Sport and Exercise Science	3
SPKN 3110	Sport Kinetics Practicum 1	3
SPSC 2025	Sport Law	3
	TOTAL CREDITS	***15***
	YEAR 3: SEMESTER 2	
SPKN 3104	Sport Technology and Design	3
SPKN 3105	Athletic Performance in Extreme Environments	3
SPKN 3106	Ergonomics in Sport and Physical Activity	3
SPKN 3120	Sport Kinetics Practicum 2	3
SPKN 3121	Research Project	3
	TOTAL CREDITS	***15***
	TOTAL CREDITS YEAR 3	***30***
	TOTAL PROGRAMME CREDITS	***90***

COURSE DESCRIPTIONS FOR COURSES IN THE BSC SPORT KINETICS PROGRAMME

Course Title: The Origins and Growth of Modern Sport, 1850 1945
Course Code: HIST 1018
Course Credits: 3
Course Description: (This course is offered through the Department of History at the Mona Campus) This course is meant to be an introductory course for students doing a Major or Minor in Sports Studies, or who have a general interest in sports and wish to have an understanding of the origins and growth of modern sport. The course covers a broad range of social, economic and political issues related to the development of sport from the middle of the nineteenth century to the end of the Second World War. It explores the formal organisation of sports in the nineteenth and twentieth centuries with the formation of ruling bodies, codified rules, formal competitions and the beginnings of international sporting contests. It also seeks to explore the emerging value systems surrounding sport: ones that were frequently classist, sexist and racist.

Course Title: Critical Reading and Writing for Science and Technology and Medical Sciences
Course Code: FOUN 1014
Course Credits: 3
Course Description: This course will allow students in science and technology and the medical sciences to engage with the reading and writing practices of and produce documents relevant to their faculties. Students will focus on issues of 'knowing and doing' in science: the questions asked, methods of collecting, evaluating and interpreting evidence, as well as communicating knowledge with accuracy and clarity in writing and oral presentations.

Course Title: Human Anatomy 1 – The Upper Quadrant
Course Code: SPKN 1101
Course Credits: 3
Course Description: This course covers the anatomy of the upper quadrant of the body. Students will be exposed to histology, embryology and the gross anatomy of the, upper limb and thorax. Key features of different muscles and bones in the upper quadrant will be examined together with the associated functions of the musculoskeletal structures in the upper quadrant. Common sporting injuries for the upper quadrant will also be discussed.

Course Title: Introduction to Physiology
Course Code: SPKN 1102
Course Credits: 3
Course Description: The course introduces students to the basic function of the major organs and organ systems of the human body. It describes how the different systems of the body are involved in performing specific tasks and how their functions are integrated. Students are given a general overview of all organ systems followed by a detailed exploration of neuromuscular, cardiovascular and respiratory systems.

Course Title: CARIBBEAN CIVILISATION
Course Code: FOUN 1101
Course Credits: 3
Course Description: The student develops an awareness of the main process of cultural development in the Caribbean societies, highlighting the factors, the problematic and the creative output that have fed the emergence of Caribbean identities; a perception of the Caribbean as wider than island nations or linguistic blocs; stimulate students' interest in, and commitment to Caribbean civilisation and to further their self-definition.

Course Title: Beginner's French
Course Code: FREN 0101
Course Credits: 3
Course Description: This course is designed for students with little or no background in Spanish. It seeks to develop command of the essential elements of the Spanish grammar as well as basic communicative competence. This course is assessed using 100% coursework and the assessment shall be based on: greetings, expressions of courtesy and family; jobs and studies; my city; leisure and shopping; the use of the present tense of regular and irregular verbs and the present perfect of regular and irregular verbs.

Course Title: Beginner's Spanish
Course Code: SPAN 0101
Course Credits: 3
Course Description: This course is designed for students with little or no background in Spanish. It seeks to develop command of the essential elements of the Spanish grammar as well as basic communicative competence. This course is assessed using 100% coursework and the assessment shall be based on: greetings, expressions of courtesy and family; jobs and studies; my city; leisure and shopping; the use of the present tense of regular and irregular verbs and the present perfect of regular and irregular verbs.

Course Title: Human Anatomy 2 – The Lower Quadrant
Course Code: SPKN 1103
Course Credits: 3
Course Description: Through a mixture of lectures and interactive activities students will be exposed to the structure and function of the lower quadrant of the human body.
This course covers the gross anatomy of the lower limbs, lumbar spine and abdomen. Key features of different muscles and bones in the lower quadrant will be examined together with the associated functions of the musculoskeletal structures in the lower quadrant. Common sporting injuries for the lower quadrant will also be discussed.

Course Title: Introduction to Sport and Exercise Psychology
Course Code: SPKN 1104
Course Credits: 3
Course Description: This course exposes students to a psychological approach to understanding human responses and adaptations to sport and exercise. Lectures, case studies, and seminars provide a platform for discussion and understanding of cognitions, affect and behaviour and the complex interactions between these. Students will acquire knowledge and understanding of sport and exercise performance and psychological factors that impact on exercise adherence. A key aim is to provide an understanding of the application of theory to real 'applied' situations within sport and exercise settings.

Course Title: Sports Coaching: Basic Concepts
Course Code: SPCH 1000
Course Credits: 3
Course Description: Through a mixture of lectures and interactive activities students will explore issues such as conceptual development in sports, coaching philosophy in sports, complex interactions between the athlete and coaches, team planning and they will also explore the different roles and contributions of the coach at individual and societal levels.

Course Title: Introductory Statistics for the Behavioural Sciences
Course Code: SOCI 1005
Course Credits: 3
Course Description: This course aims to introduce students to basic univariate and bivariate statistics. A student who successfully completes this course will possess a reasonable level of knowledge of basic statistics and their interpretations.

Course Title: Sports Ethics
Course Code: PHIL 2028
Course Credits: 3
Course Description: Students in this course will examine the conceptual framework for ethical decision-making, using sports and moral conflicts presented in sports as prism through which to examine normative perspectives. Key ethical theories will be discussed, including hedonism, egoism, virtue ethics, deontology, utilitarianism, and social contract ethics. Relevant moral ideas and concepts will be explored. The course considers issues in the business and culture of sports, including sponsorship, sport as entertainment and its relation to the philosophical concept of the good life. It also addresses the ethics of competition, cheating and the use of performance enhancing drugs. And it considers the rights and needs of vulnerable groups in sports, including minors and differently abled athletes.

Course Title: Exercise Physiology 1
Course Code: SPKN 2102
Course Credits: 3
Course Description: This course covers the physiology of exercise as it relates to the neuromuscular and musculoskeletal systems as well as hormonal control during exercise. Through a mixture of lectures and interactive activities students will be exposed to concepts related to fitness assessments including muscular strength, endurance, flexibility, power, speed, agility, muscle metabolism and hormonal control during exercise. Theories explaining strength gains with training will be explored as well as exercise prescription for different age groups and for persons with different fitness levels.

Course Title: Sport and Exercise Nutrition
Course Code: SPKN 2106
Course Credits: 3
Course Description: Through a mixture of lectures and interactive activities students will be exposed to concepts related to nutritional sources for athletes, sport performance and energy demands, food selection, digestion and hydration. Students will learn to how to complete a nutritional assessment using food logs and how to help athletes establish nutrition-based goals.

Course Title: Introduction to Motor Control and Motor Learning
Course Code: SPKN 2104
Course Credits: 3
Course Description: This course exposes the student to theories and concepts regarding how movement occurs. Through a mixture of lectures and interactive lab activities students begin to develop an understanding of how movement skills are acquired and explore methods to improve motor learning and retention of learning. Topics include control of movement, sensory and perceptual contributions to motor learning, information processing, optimal conditions for learning motor skills, modes of feedback delivery during learning, and individual variability in skill acquisition. Students will apply the principles of motor learning to coaching, athletic training and exercise for health and wellbeing.

Course Title: Research Methods in Sports and Exercise Science
Course Code: SPKN 2105
Course Credits: 3
Course Description: This course is designed to introduce the principles and ethical considerations in relation to different types of research. Through lectures and interactive classroom exercises students will learn to develop operational research questions, conduct literature reviews and design research protocols using appropriate study designs and research methodologies.

Course Title: Exercise Physiology 2
Course Code: SPKN 2103
Course Credits: 3
Course Description: This course covers the physiology of exercise as it relates to the Cardiovascular and pulmonary systems. Through a mixture of lectures and interactive activities students will explore issues such as normal and abnormal cardiorespiratory function, response to exercise training, aerobic and anaerobic training in different environmental conditions. Exercise prescription for several different groups will be explored.

Course Title: Sport and Exercise Biomechanics
Course Code: SPKN 2107
Course Credits: 3
Course Description: Through a mixture of lectures and interactive activities students will gain knowledge on the mechanical operation of the human body. They will learn how the body generates forces and how to calculate these forces. They will also be introduced to the concepts like torque and moments and learn how these can be manipulated to maintain equilibrium. The impact of external forces will also be examined, and students will learn how to determine optimal.

Course Title: Pharmacology and Doping in Sports
Course Code: SPKN 2108
Course Credits: 3
Course Description: This course will explore the history of doping in sports and students will be exposed to the list of banned substances, methods of testing, pharmacology associated with doping and testing, the role of the World Anti-Doping Agency (WADA) and resources where they can remain current with changes in the list of substances and regulations regarding doping in sports.

Course Title: Adaptive Sports Kinetics
Course Code: SPKN 2109
Course Credits: 3
Course Description: This course will expose students to the history of sports for persons with disabilities, available competition opportunities, coaching methodology and organisation of events. Common injuries and sports medicine issues will also be explored.

Course Title: Responsible Conduct of Research
Course Code: SPKN 2110
Course Credits: 3

Course Description: This course is designed to introduce the principles and ethical considerations in relation to different types of research. Topics covered will include: history and principles of research ethics; main ethical theories; international, regional and local guidelines governing conduct of research; ethical issues associated with specific research designs; role and composition of ethical review boards; critical appraisal of research proposals, genetic research and biobanks, community based participatory research and researcher misconduct.

Course Title: Communication in the Workplace: Principles
Course Code: LANG 3101
Course Credits: 3
Course Description: In this course, students are exposed to the different types of communicative instruments of the workplace, and engage in reflection on cultural and ethical considerations in workplace communication. The course seeks to develop students' own communication skills for the workplace through the repeated and consistent application of related principles and practices and team approaches to writing and speaking activities.

Course Title: Applied Biomechanics in Sport and Exercise
Course Code: SPKN 3102
Course Credits: 3
Course Description: Through a mixture of lectures and interactive activities students will be exposed to various methods of conducting complex analysis of movement patterns using qualitative and quantitative methods. They will be exposed to current literature regarding analysis of important activities in some sports for example bowling, sprint starts, golf swings. Students will also be exposed to the range of technology available for conducting movement analysis.

Course Title: Strength and Conditioning Training
Course Code: SPKN 3101
Course Credits: 3
Course Description: Through a mixture of lectures and interactive activities students will explore different approaches and theories with regards to strength training. They will be exposed to goal setting and injury prevention during strength and conditioning training and will examine issues related to strength and conditioning training in special groups like young athletes, women and senior athletes.

Course Title: Data Analysis in Sport and Exercise Science
Course Code: SPKN 3103
Course Credits: 3
Course Description: This course is designed to teach students the basics of data analysis and expose them to software for conducting qualitative and quantitative analysis. During the course students will be given sample data sets to work with and will be shown how to use different programmes to analyse data. They will also be exposed to the process of determining relevant statistical tests to use for analysing different types of data and interpretations of statistical findings.

Course Title: Sports Kinetics Practicum 1
Course Code: SPKN 3110

Course Credits: 3
Course Description: This course provides the student with an opportunity to conduct fitness testing on groups of individuals and plan and deliver group fitness training activities. At the end of each week students will submit a reflective piece on the week's activities. Students will also be required to conduct biomechanical analysis of individual athletes and identify strengths and weaknesses in movement performance

Course Title: Sport Technology and Design
Course Code: SPKN 3104
Course Credits: 3
Course Description: This course is designed to introduce students to the impact of technology, design and engineering on sport performance. Students will be exposed to design issues in relation to sporting equipment (bats, racquets, clubs, sticks and balls). Technological advances in sportswear will also be examined as well as engineering and design of training surfaces and stadiums. Students will also be exposed to the impact technology has had on decision making and regulations in sports.

Course Title: Athletic Performance in Extreme Environments
Course Code: SPKN 3105
Course Credits: 3
Course Description: This course examines the capacity of the body to tolerate and adapt to extreme environmental conditions. Students will be exposed to the physiological impact of heat, cold, high altitude, and hypobaric environments on the human body. They will also examine strategies that can be used to minimise these effects as persons travel for competition or recreational sporting activities to environments that are very different from their home environments. Air pollution and disruptions to the body's natural rhythm will also be explored.

Course Title: Ergonomics in Sports and Physical Activity
Course Code: SPKN 3106
Course Credits: 3
Course Description: Through a mixture of lectures and interactive activities students will explore issues such as the design of effective equipment, clothing, and playing surfaces; methods of assessing risk in situations; and staying within appropriate training levels to reduce fatigue and avoid overtraining. Ergonomics will also be explored in the context of physically active special populations.

Course Title: Sports Kinetics Practicum 2
Course Code: SPKN 3120
Course Credits: 3
Course Description: This course provides the student with an opportunity to conduct fitness testing on groups of individuals and plan and deliver group fitness training activities. Students will also be conduct biomechanical analysis of individual athletes and identify strengths and weaknesses in movement performance and recommend techniques to improve performance.

Course Title: Research Project
Course Code: SPKN 3121

Course Credits: 3

Course Description: During this course students will conduct the research protocol that they developed in year 2 of the programme. They will be guided by a supervisor through the process of data collection and analysis and a final research thesis will be submitted for grading. The thesis will take the form of a paper for submission to a journal for possible publication.

MASTER OF PUBLIC HEALTH (MPH) DEGREE PROGRAMME

This Master of Public Health (MPH) program will be delivered in collaboration with the Cavehill campus, Barbados. It was developed in response to the region's expressed training needs, aiming to cultivate practitioners proficient in essential public health disciplines. This program focuses on key areas such as epidemiology, health promotion, and public health leadership, ensuring graduates have the knowledge and skills to address contemporary public health challenges. By integrating rigorous academic training with practical experiences, the MPH program prepares students to lead and innovate in various public health settings. Graduates will be well-positioned to contribute to the health and well-being of communities through evidence-based practices and effective public health strategies.

PROGRAMME STRUCTURE

COURSE CODES	COURSE NAME	CREDITS
	SEMESTER I	
PBHE6600	Environmental Health	3
PBHE6500	Primary Health Care [Health Professionals]	2
PBHE6200	Epidemiology I	3
PBHE6930	Qualitative Research Methods	2
PBHE6015	Social & Behavioural Sciences	3
PBHE6900	Research Methodology (Quantitative)	2
PBHE6100	Biostatistics	2
PBHE6300	Family Health [Non-Health Professionals]	2
PBHE6925	Computing for Public Health	0
	TOTAL CREDITS	***19***
	SEMESTER 2	
PBHE6400	Health Care Systems (Health System Management)	3
PBHE6060	Qualitative Data Analysis	2
PBHE6000	Health Promotion	3
PBHE6420	Human Resources for Health	3
PBHE6105	Quantitative Data Analysis	2
PBHE6110	Epidemiology of Priority Diseases	3
PBHE6050	Health Economics	3
	TOTAL CREDITS	***19***
	TOTAL PROGRAMME CREDITS	***38***

COURSE DESCRIPTIONS FOR COURSES IN THE MASTER IN PUBLIC HEALTH PROGRAMME

Course Title: Social and Behavioural Sciences
Course Code: PBHE 6015
Course Credits: 3
Course Description: This course teaches how social and behavioural factors affect the health of individuals and populations. Social and behavioural sciences greatly contribute to the understanding of the social context and individual behaviour in relation to health and illness. This course introduces and examines basic theories and models from a range of social and behavioural disciplines that are used in public health research and practice. The course identifies the causes of social and behavioural factors on health, illness and health seeking behaviour, and aims to provide the students with the knowledge and skill set to critically apply interdisciplinary health concepts to their public health research and practice.

Course Title: Biostatistics
Course Code: PBHE 6100
Course Credits: 2
Course Description: The course will run over one semester only and introduces methods for summarising data, and methods for analysing a single variable (univariate methods) or two variables simultaneously (bivariate methods). Univariate analyses are used primarily for descriptive purposes, while bivariate and multivariable analyses are geared more towards explanatory purposes and the testing of hypotheses. Univariate analyses are commonly used in the first stages of research, and would be followed by more advanced, bivariate or multivariable techniques.

Course Title: Epidemiology I
Course Code: PBHE 6200
Course Credits: 3
Course Description: Epidemiology is the core science of Public Health, providing the concepts and tools to assess and monitor the health of populations, investigate the causes of different health states, direct interventions to address those causes and monitor their impact. This course aims to provide a solid grounding in epidemiology as applied to Public Health.

Course Title: Family Health [Non-Health Professionals]
Course Code: PBHE 6300
Course Credits: 2
Course Description: This semester-long course focuses on the concepts and approaches to the provision of health care services for families throughout the life process. Lectures and discussions will focus on the individuals comprising the family as well as the impact of illness on the family as a unit. The course is relevant to MPH students who do not have a clinical or direct health care delivery background, whether working as active field practitioners or at the managerial or policy level.

Course Title: Primary Health Care (Health Professionals)
Course Code: PBHE 6500

Course Credits: 2

Course Description: The first five (5) weeks of this course, including the midterm exam, are offered jointly with the Family Health course. The course will first consider the epidemiologic and demographic transitions and their implications for PHC and health policy. The evolution of PHC from the Alma Ata Declaration to the Sustainable Development Goals, the interplay of governmental responsibilities, the Essential Public Health functions and wider factors such as poverty, economics and globalisation will be critically examined. The course explores many cutting edge issues and is ideal for current and aspiring leaders in Public Health.

Course Title: Environmental Health
Course Code: PBHE 6600
Course Credits: 3
Course Description: This semester-long course introduces the learner to the philosophical constructs that underpin environmental health, in particular the interconnectedness between humans and the environment and the resulting impact on health at the local and global level. It fosters exploration of environmental hazards and the development and application of environmentally sustainable management practices. The course is relevant to all MPH graduates, whether working as active field practitioners or at the managerial or policy level.

Course Title: Research Methodology (Quantitative)
Course Code: PBHE 6900
Course Credits: 2
Course Description: This course complements the qualitative research methods course and aims to provide an introduction to the principles and practicalities of undertaking valid, reliable and ethical research relevant to public health. Note that some topics relevant to both quantitative and qualitative research methods, such 78 as ethics and project management are covered in one or the other course, but not both. The course is designed to be highly practical and by the end of the course, as well as having practical insight into quantitative research methods, students should be fully conversant with the concepts of validity and reliability and their relevance to measurement and study design.

Course Title: Computing Skills for Public Health
Course Code: PBHE 6925
Course Credits: 0
Course Description: The course will be offered as a pre-requisite for all students who wish to take the MPH data analysis courses. It also aims to strengthen general computer literacy and skills. The course content focuses on the required skillset which encompasses programs such as Microsoft Word, Excel, PowerPoint and application of software tools used for file and data management and reference management. It will be delivered primarily via interactive lectures with individual exercises. However, it is expected that students will acquire these skills through self-directed learning facilitated by the provision of links to online tutorial and videos.

Course Title: Qualitative Research Methods

Course Code: PBHE 6930
Course Credits: 2
Course Description: This course aims to introduce students to the principles of qualitative research in health services. It covers theoretical underpinnings, data collection, analysis and dissemination methods. It is intended to benefit professionals seeking to conduct and interpret qualitative research results in healthcare.

Course Title: Health Promotion
Course Code: PBHE 6000
Course Credits: 3
Course Description: The aims of the course are: • To provide a general overview of health education and health promotion, its principles, scope and practice through a determinants-based approach. • To stimulate awareness of the current global public health issues and the relevance of health promotion strategies to these issues. • To introduce the integrated approach to needs assessment and implementation of planned interventions in a variety of settings.

Course Title: Health Economics
Course Code: PBHE 6050
Course Credits: 3
Course Description: This course introduces the sub-discipline of Health Economics. It sets a framework with basic economic concepts and presents the economic model of the market. It explains how markets function and why health is considered to be a specialised market with unique features that determine resource allocation and regulation. The methods of economic evaluation are examined and guidance is provided in the use of tools to critically appraising economic evidence. Students are oriented to current issues facing health systems.

Course Title: Qualitative Data Analysis
Course Code: PBHE 6060
Course Credits: 2
Course Description: The course meets the needs of health allied health and behavioural science professionals who need to: critically analyse, design and conduct qualitative research in healthcare settings. It contains theoretical and practical elements of qualitative analysis, including the use of relevant computer software. It also introduces the student to core principles involved in the process of disseminating qualitative research.

Course Title: Quantitative Data Analysis
Course Code: PBHE 6105
Course Credits: 2
Course Description: The course aims to help students design data collection instruments then manipulate the data collected using surveys and other epidemiological study designs. Two types of software will be used: RedCap and Stata. Students will become familiar with the design of questionnaires, and will be able to enter, clean and analyse newly collected data and data collected using external databases. There will be a focus on data management techniques for preparing 'messy' data for analysis, and ultimately on performing univariate, and regression analysis using real data from regional studies of Caribbean health.

Statistical techniques taught in PBHE6100 (semester 1) will be implemented in Stata.

Course Title: Epidemiology of Priority Diseases
Course Code: PBHE 6110
Course Credits: 3
Course Description: This course covers the current distribution, trends, determinants and approaches to the prevention and control of diseases of major public health significance in the Caribbean. In particular, the roles of surveillance, policy formulation, programme planning; implementation and evaluation are addressed as part of societal efforts aimed at the prevention and control.

Course Title: Health Care Systems (Health System Management)
Course Code: PBHE 6400
Course Credits: 3
Course Description: This course is an introduction to generic management theory and practice including basic roles, skills and functions as relates to healthcare system management in. It targets both mid- and entry level persons who wish to function at a mid-management or higher level in a health care or related setting. The course explores the management of two key types of resources: people and non-people resources including, finances and information. 80 It challenges the notion about the differences between leadership and management and examines the legal and ethical frameworks which underpin management in healthcare system resources.

Course Title: Human Resources for Health
Course Code: PBHE 6420
Course Credits: 3
Course Description: This course is an introduction to generic management theory and practice including basic roles, skills and functions as relates to healthcare system management in. It targets both mid- and entry level persons who wish to function at a mid-management or higher level in a health care or related setting. The course explores the management of two key types of resources: people and non-people resources including, finances and information. It challenges the notion about the differences between leadership and management and examines the legal and ethical frameworks which underpin management in healthcare system resources.

MASTER OF SCIENCE IN NON-COMMUNICABLE DISEASES DEGREE PROGRAMME

The MSc in Non-Communicable Disease Management is designed to equip professionals with the skills and knowledge needed to address the growing burden of chronic diseases through leadership, policy, health promotion, and applied research. The programme is delivered using a blended approach and supports regional and global health system strengthening.

PROGRAMME STRUCTURE

COURSE CODES	COURSE NAME	CREDITS
	YEAR 1 SEMESTER 1	
NCDM 6000	Epidemiology of Non-Communicable Diseases	3
NCDM 6010	Pathophysiology of Chronic Diseases	3
NCDM 6020	Health Systems and Policies for NCDs	3
	YEAR 1 SEMESTER 2	
NCDM 6030	Behavioural Intervention for Chronic Diseases Prevention	3
NCDM 6040	Data Analytics and Biostatistics in Healthcare	3
NCDM 6020	Chronic Disease Prevention and Health Promotion	3
	Total Credits Year 1	18
	YEAR 2 SEMESTER 1	
NCDM 6120	Global Perspectives in NCDs	3
NCDM 6130	Digital Health and Telemedicine for NCDs	3
NCDM 6140	Pharmacology and Medication Management in NCDs	3
	YEAR 2 SEMESTER 2	
NCDM 6150	Leadership and Change Management in Chronic Disease Care	3
NCDM 6900 **OR** NCDM 6901	Capstone Project/Thesis Practicum/Fieldwork	6
	TOTAL CREDITS YEAR 2	***18***
	TOTAL PROGRAMME CREDITS	***36***

COURSE DESCRIPTIONS FOR COURSES IN THE MASTER OF SCIENCE IN NON-COMMUNICABLE DISEASE MANAGEMENT

Course Title: Epidemiology of Non-Communicable Diseases
Course Code: NCDM 6000
Course Credits: 3
Course Description: This course examines the principles and methods of epidemiology as they relate to the study of non-communicable diseases (NCDs) in diverse populations. It

emphasises key concepts such as disease occurrence, risk factors, distribution, and preventive measures. The course develops practical skills in applying epidemiological methods to the surveillance, control, and evaluation of NCDs such as cardiovascular diseases, diabetes, cancer, and chronic respiratory diseases.

Course Title: Pathophysiology of Chronic Diseases
Course Code: NCDM 6010
Course Credits: 3
Course Description: This course facilitates a comprehensive understanding of the pathophysiology of chronic diseases such as cardiovascular diseases, diabetes, cancer, and chronic respiratory diseases. The course explores the biological, genetic, and environmental factors that contribute to the development and progression of these diseases, emphasizing the cellular and molecular processes involved. It promotes a deeper understanding of how chronic diseases disrupt normal physiological functions and the implications for disease management.

Course Title: Health Systems and Policies for NCDs
Course Code: NCDM 6020
Course Credits: 3
Course Description: This course provides an introduction to the structure, governance, financing, and implementation of health systems, focusing on how these systems influence the prevention and management of non-communicable diseases (NCDs). It examines health policy frameworks and global health governance, with special emphasis on low- and middle-income countries (LMICs). The course emphasises how to evaluate health policies and propose interventions that improve NCD care.

Course Title: Behavioural Intervention for Chronic Diseases Prevention
Course Code: NCDM 6030
Course Credits: 3
Course Description: This course explores evidence-based behavioural and lifestyle interventions for preventing and managing chronic diseases, focusing on non-communicable diseases (NCDs) such as cardiovascular disease, diabetes, and obesity. It highlights how to design, implement, and evaluate interventions that promote healthy behaviors in individuals and communities, with an emphasis on reducing the risk factors associated with NCDs.

Course Title: Data Analytics and Biostatistics in Healthcare
Course Code: NCDM 6040
Course Credits: 3
Course Description: This course introduces the principles of biostatistics and data analytics in the context of healthcare and public health. It covers statistical methods used for analysing healthcare data, including descriptive statistics, inferential statistics, and predictive modeling. The course emphasises the use of data analytics to inform decision-making in healthcare, with a focus on the prevention and management of non-communicable diseases (NCDs). It highlights the use of statistical software for data analysis and visualisation.

Course Title: Chronic Disease Prevention and Health Promotion
Course Code: NCDM 6050
Course Credits: 3
Course Description: This course provides an overview of the strategies and interventions used in the prevention and control of chronic diseases. The focus will be on evidence-based health promotion strategies, behavioural interventions, and community-based programmes intended to reduce the incidence of non-communicable diseases (NCDs) such as cardiovascular diseases, diabetes, and cancer. The design, implementation, and evaluation of public health campaigns aimed at promoting healthier lifestyles are underscored in this course.

Course Title: Global Perspectives in NCDs
Course Code: NCDM 6120
Course Credits: 3
Course Description: This course explores the global burden of non-communicable diseases (NCDs) and examines the international efforts to prevent and manage these conditions. It considers how global policies, health systems, and socioeconomic factors shape NCD outcomes in different regions of the world, with particular focus on low- and middle-income countries (LMICs). The course will also cover global health governance, international organisations, and transnational partnerships aimed at addressing NCDs, as well as the role of climate change and urbanization in NCD prevalence.

Course Title: Digital Health and Telemedicine for NCDs
Course Code: NCDM 6130
Course Credits: 3
Course Description: This course explores the integration of digital health technologies and telemedicine into the prevention and management of non-communicable diseases (NCDs). It examines the role of digital health tools, mobile health (mHealth), wearable technologies, and telemedicine platforms in improving patient outcomes. The course 76 covers topics such as remote patient monitoring, digital health policy, data security in telemedicine, and the ethical considerations of using technology in healthcare. Special emphasis will be placed on how digital health solutions can address the challenges of NCDs in low- and middle-income countries.

Course Title: Pharmacology and Medication Management in NCDs
Course Code: NCDM 6140
Course Credits: 3
Course Description: This course explores the pharmacological management of non-communicable diseases (NCDs) with an emphasis on systemic approaches to patient care. It examines drug mechanisms, pharmacokinetics, pharmacodynamics, and the challenges of polypharmacy and patient adherence. The course also integrates the broader context of healthcare delivery systems, focusing on interdisciplinary care, medication management pathways, and pharmacovigilance strategies for chronic diseases such as diabetes, cardiovascular diseases, and chronic respiratory illnesses.

Course Title: Leadership and Change Management in Chronic Disease Care
Course Code: NCDM 6150
Course Credits: 3
Course Description: This course explores leadership theories and change management strategies in the context of chronic disease care. It develops the knowledge and skills necessary for leading healthcare teams, managing change, and implementing patient-centered care models. The course covers strategies for driving healthcare innovation, improving care delivery, and overcoming resistance to change in healthcare organisations.

Course Title: Capstone Project/Thesis
Course Code: NCDM 6900
Course Credits: 6
Course Description: The Capstone Project/Thesis allows for engagement in in-depth, independent research on a topic of personal and professional interest related to NCD management. This course promotes the development of critical thinking, problem-solving, and research skills while contributing new insights to the field of public health. It 94 prepares students to address real-world challenges in NCD management and to contribute to evidence-based policy and practice in healthcare.

Course Title: Practicum/Fieldwork
Course Code: NCDM 6901
Course Credits: 6
Course Description: The Off-Campus Practicum in NCD Management provides an extended practicum experience (3-6 months) in healthcare institutions, clinics, or non-governmental organisations (NGOs). It provides hands-on training that facilitates the integration of theoretical knowledge with practical skills. It aids in the development of the expertise needed to address NCD-related challenges, particularly in resource-limited settings, and advances preparation for careers in healthcare, policy-making, or public health.

APPENDICES

APPENDIX A: DRESS CODE – STUDENTS ENROLLED IN THE PHARMACY PROGRAMME

(Adopted from the St. Augustine, BSc Pharmacy programme – September 2024)
"Know first who you are and then adorn yourself accordingly" Euripides (480-406BC)

A dress code is the standard set by an institution to guide the appropriate attire of its members. Your attire shapes the first impression you make since what you wear influences the way your peers, colleagues and patients see you, so affecting your ability to do your job.

Your attire should show that the job you do is worthy and you are worthy of performing the job.

Pharmacy students enrolled in the School of Health and Behavioural Sciences must remember that they are in a professional faculty and their wear must reflect this status. The temptation to offend often arises when students assume that, since most of their work is conducted in classrooms and laboratories, no special attire is required. Please don't be fooled by this misconception. The faculty recognises that some persons have always been subject to uniforms and strict rules in the secondary school system, and now, having graduated into the University system, they see the opportunity to abandon some of these strictures – please do **not** be misguided in this aspect of behaviour as well.

The following are not allowed in lectures, tutorials, laboratories, and offices:

MALES

- Short pants, clam-digger, capris
- Slippers or "flip-flops"
- Vests or sleeveless shirts
- Hats, caps, head ties, bandanas

Undergarments must **NOT** be visible at any time

FEMALES

- Short skirts or pants (must be knee length or longer)
- Slippers or "flip flops"
- "Spaghetti" strap tops, halter tops, tube tops, midriff or "belly breakers"
- Revealing low-cut tops
- Hats, caps, headband, bandanas

Undergarments must **not** be visible (e.g. thongs with low-rise jeans, "see-through" sheer/mesh/chiffon blouses, shirts, pants or skirts).

Head attire worn for religious purposes should **not** cover the complete/entire face.

PHARMACY CLINICAL CLERKSHIP SETTING

Dress code raises the dignity of the healthcare profession.

Appearance has an essential influence on patients' responses to professional advice and treatment. As young professionals, you need to be distinctive and dignified, yet not too imposing when attending to patients.

Patients and their families have reasonable expectations that their caregivers present themselves in a professional manner, both in demeanor and appearance.

The following are guidelines for dressing in the clinical setting:

MALES

- Wear trousers (no jeans), a dress shirt or short-sleeved shirt jackets."
- Hair should be clean and neatly groomed. Beards and/or moustaches, if worn, should be neatly groomed.
- Tennis shoes (sneakers), are not appropriate
- Visible tattoos, tongue and body piercings, and unruly/shocking hairstyles are not permitted

FEMALES

- Wear a dress, slacks, or skirts (no jeans)
- Skirts should be knee-length or longer
- Tennis shoes (sneakers), slippers, and "flip flops" are not appropriate. Closed-toe shoes are recommended to minimise foot injuries.
- Hair should be clean and neatly groomed. Unruly/shocking hairstyles are not permitted
- If a short-sleeved button-down blouse should be worn, there must be no bare midriff or "hipster" or "low-cut" neckline to expose cleavage
- Piercing of the body, other than the ear lobes, must be removed, and tattoos must not be visible

OFFICIAL UWI I.D. BADGES MUST BE PROMINENTLY DISPLAYED AT ALL TIMES

I, ______________________________ hereby agree to adhere to the above-mentioned dress code.

Signed: ______________________________ Dated: ____________________

APPENDIX B: DRESS CODE/POLICY – STUDENTS ENROLLED IN THE BSC NURSING PROGRAMME

(Developed by the Human Resources Unit at the Sir Lester Bird Medical Center (SLBMC), October 2024)

All nursing students entering the Sir Lester Bird Medical Centre must wear the designated uniform of their university or the School of Health and Behavioural Sciences in all clinical settings. Failure to comply with this policy will result in the removal of the student from the clinical setting/site.

PURPOSE

- To uphold a professional image in clinical settings.
- To distinguish student nurses from hospital nursing staff.
- To align with the international nursing standards for safety and hygiene.

DRESS CODE REQUIREMENTS

UNIFORM

- Must be clean, neatly pressed, and professional.
- Pants or skirts should be below the knees and of an appropriate length and fit.
- If stockings are worn, they must be solid black or skin tone.
- Socks worn with pants must match the shoe color.
- Underwear colors should not be visible.

FOOTWEAR

- Must be closed-toe, closed-heel, non-slip, and soft-soled.
- Made of leather or vinyl.
- No mesh material or Crocs
- Must provide adequate support and comfort to prevent fatigue or injury.

IDENTIFICATION BADGE

- The university-issued student identification badge must be worn on the left chest, clearly displaying the student's name.
- No other personal badges or decorative items are allowed.

HAIR & GROOMING

- Hair must be clean, well-kept, and neatly styled.
- Shoulder-length hair must be tied back securely to prevent contamination or interference with duties.

- Hair color should be natural (black, brown, blonde, or gray tones only).
- Any hair accessories must be black and kept minimal.
- Beards and facial hair must be neatly trimmed and well-groomed.

JEWELRY

- To minimise the risk of infection and injury, jewelry should be kept to a minimum:
- Rings – Only a plain wedding band or set is permitted.
- Watch – Must have a second-hand feature for accurate timekeeping.
- Earrings – Small stud earrings only.
- Necklaces, bracelets, and anklets – Not allowed, except for medical alert bracelets.

BODY ART & PIERCINGS

- Tattoos must be covered professionally.
- Body piercings, other than standard ear piercings, should not be visible in the clinical setting.

PERSONAL HYGIENE & GROOMING

- Daily personal hygiene and grooming are mandatory.
- Fragrances should be avoided or be mild, as they may cause allergic reactions in patients and staff.
- Nails – Must be kept short (≤¼ inch beyond the fingertip), clean, and free of polish, artificial nails, nail art, or acrylic, as they may become a breeding ground for bacteria..
- Makeup – Should be subtle and professional.

CARDIGANS & OUTERWEAR

- If worn, cardigans must be solid black or navy blue or white and approved by the school of nursing.
- No hooded sweatshirts or casual jackets are allowed in clinical areas.

ATTENDANCE AT HOSPITAL EDUCATIONAL SESSIONS

- No jeans, shorts, sleeveless tops, or caps.
- Students must be neatly groomed and professionally attired (business casual).

COMPLIANCE & ENFORCEMENT

Failure to adhere to the dress code will result in the student being removed from the clinical setting until compliance is met.

I, ________________________________ hereby agree to adhere to the above-mentioned dress code.

Signed: ____ Dated: ______________________

APPENDIX C: DEFINITION OF TERMS

TERMINOLOGY	DEFINITION
CREDIT	A unit of study counting towards a degree or diploma
CREDIT HOURS	The numerical credit value assigned to a course. The credit values for courses as well as for projects, laboratory sessions, foreign language classes or other contact hours are determined by the Faculty Boards and are approved by the Board for Undergraduate Studies.
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.
DISCIPLINE	A body of knowledge distinguishable from other such bodies on the basis of criteria such as method of enquiry, axioms, and areas of application.
ELECTIVE	An optional course of study selected by the person concerned.
PART	A portion of a programme defined by the regulations governing the programme.
PROGRAMME	A sequence of courses (designed to achieve pedagogical goals) the taking of which is governed by certain regulations and the satisfactory completion of a minimum of which (determined by such regulations) makes a candidate eligible for the award of a degree/diploma/certificate.
MAJOR	A permissible combination of courses leading to a degree, diploma or certificate.

APPENDIX D: REGULATIONS GOVERNING STUDENT RESEARCH PROPOSALS AND RESEARCH PROJECTS IN THE SCHOOL OF HEALTH AND BEHAVIOURAL SCIENCES

All students undertaking research as part of their academic programme are required to adhere to the following regulations concerning the submission, conduct, and ownership of research proposals and projects. These regulations apply to undergraduate and postgraduate research activities, including final-year projects, capstone assignments, and theses.

1. **University Ownership of Research Outputs**
    - All research proposals and research projects developed by students in partial fulfillment of their degree requirements are considered the intellectual property of The University of the West Indies, Five Islands Campus.
    - This applies to all components of the research process, including but not limited to: proposals, research instruments, data collection tools, fieldwork notes, reports, and final project submissions.
    - The University reserves the right to retain, archive, reproduce, and use student research for academic, administrative, and quality assurance purposes.
2. **Use of Research for Institutional Purposes**
    - Student research may be used by the University for teaching, research development, publication, or programme evaluation, with appropriate acknowledgment of the student's authorship.
    - Where student research is selected for public dissemination, the University will ensure proper attribution unless the student requests anonymity.
3. **Ethical Approval and Compliance**
    - Students must obtain ethical clearance from the University's Ethics Review Committee before commencing any research involving human participants, sensitive data, or external communities.
    - Research conducted without ethical approval, where required, may be deemed invalid and subject to academic penalties.
4. **Use of University Resources**
    - Research conducted with the support of University facilities, supervision, or funding must acknowledge such support.
    - Students may not commercialise, distribute, or modify their research for external use without the written permission of the University.
5. **Retention of Research Proposals and Reports**
    - The University may retain hard or digital copies of all research proposals and final reports submitted, for purposes of academic assessment, accreditation, and internal review.
    - Students may request a copy of their submitted research for personal, academic, or professional purposes, provided such use complies with institutional policies.
6. **Special Cases and Agreements**
    - In cases where a research project involves collaboration with an external agency or is conducted under a grant-funded initiative, specific terms of intellectual property and publication may apply.
    - Students involved in such projects will be required to sign appropriate agreements outlining the rights and responsibilities of all parties.

NOTE TO STUDENTS:

By submitting a research proposal or undertaking a research project, you agree to these regulations. For questions regarding ethical approval, intellectual property, or publication, students should consult their Research Supervisor or the Office of Research and Graduate Studies.

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