YEAR 5 (Phase III)

Level: 5  
Semester: 1  
Course Code: VETM 5601  
Course Title: STATE MEDICINE/JURISPRUDENCE/ETHICS  
(30 hrs)  
Number of Credits:  
Prerequisites:  
Co-requisites:  
Course Description: The Laws of the Republic of Trinidad & Tobago and Regulations governing the organisation and administration of veterinary public health agencies. The importance of jurisprudence - the science of law - in veterinary education and need for awareness of these laws. The relevance of professional ethics in the practice of veterinary medicine.

Level: 5  
Semester: Year Long  
Course Code: VETM 5501 & VETM 5502  
Course Title: Clinics I & Clinics II (650 hrs)  
Number of Credits:  
Prerequisites:  
Co-requisites:  
Course Description: Application of basic medical knowledge to the diagnosis, treatment, prevention and control of diseases and improvement of livestock production. This will involve rotation from one specialty to another. i.e., Food Animal and Theriogenology; Small and Companion Animal; Equine; Poultry and Avian; Laboratory; Public Health.

Level: 5  
Semester: Year Long  
Course Code:  
Course Title: PROBLEM BASED LEARNING/CLINICAL CONFERENCE (180 hrs)  
Number of Credits:  
Prerequisites:  
Co-requisites:  
Course Description: Oral presentation of selected cases by the final year students each week. A student is expected to follow the case to be presented from the beginning to the end under the supervision and consultation of staff.

PHARMACY PROGRAMME

BACHELOR OF SCIENCE DEGREE IN PHARMACY (BSc PHARMACY)

Please note that the Pharmacy Programme curriculum is currently being reviewed, and information given is subject to change.

Curriculum Objectives

i. To equip students pursuing pharmacy studies with the knowledge, competencies and skills for professional practice.

ii. To train a cadre of pharmacy practitioners who would operate effectively as members of the healthcare team in primary prevention and treatment, in hospitals, industry and the community.

iii. To produce graduates who will be propelled to continue self-learning in keeping with global trends and advancements in the field of Pharmacy.

iv. To provide the quality of training that would lead graduates to graduate programmes in Pharmacy studies and related areas.

Teaching Methods

The hybrid system of teaching and learning instituted at Mount Hope emphasises Problem Based Learning (PBL) and requires students to adopt a philosophy of self-directed study. As such, students must be self-motivated to acquire their own learning. In addition to PBL, learning settings will also include lectures, laboratories, clerkships for pharmacy practice, outreach and research projects, and seminars. It will be most convenient for students on clerkships to obtain lectures and conduct discussions through distance teaching over the UWIDITE system in the Caribbean as well as in sub-centres in Trinidad & Tobago, if this is the system of monitoring or teaching selected by the Chairman of the Pharmacy Programme. Students will be required to undergo close supervision by preceptors from the Pharmacy Boards. The Pharmacy Boards/Councils will recommend for the University's approval those Pharmacies and agencies which are equipped to accommodate Outreach Projects, Pharmacy Practice Sessions and Clerkships. The Code of Ethics of Pharmacists in general and the various Boards and Associations of Pharmacy will be stressed throughout the training.
<table>
<thead>
<tr>
<th>Year/ Semester Level</th>
<th>Course Code</th>
<th>Course Title</th>
<th>No. of Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>PHAR 1201</td>
<td>Pharmacy Practice I</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>PHAR 1202</td>
<td>Pharmaceutical Chemistry</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>PHAR 1203</td>
<td>Integrated Basic Health Sciences</td>
<td>12</td>
</tr>
<tr>
<td>2</td>
<td>PHAR 2105</td>
<td>Microbiology, Immunology &amp; General Pathology</td>
<td>3</td>
</tr>
<tr>
<td>1 &amp; 2</td>
<td>PHAR 2201</td>
<td>Pharmacy Practice II</td>
<td>4</td>
</tr>
<tr>
<td>1 &amp; 2</td>
<td>PHAR 2202</td>
<td>Medicinal Chemistry</td>
<td>6</td>
</tr>
<tr>
<td>1 &amp; 2</td>
<td>PHAR 2203</td>
<td>Pharmaceutics</td>
<td>8</td>
</tr>
<tr>
<td>1 &amp; 2</td>
<td>PHAR 2209</td>
<td>Pharmacology</td>
<td>6</td>
</tr>
<tr>
<td>2</td>
<td>PHAR 2106</td>
<td>Pharmaceutical Analysis</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>PHAR 2210</td>
<td>Pharmaceutics (P/T)</td>
<td>4</td>
</tr>
<tr>
<td>3</td>
<td>PHAR 3106</td>
<td>Complementary/Alternative Medicine &amp; Non-prescription Drugs</td>
<td>3</td>
</tr>
<tr>
<td>1 &amp; 2</td>
<td>PHAR 3201</td>
<td>Pharmacy Practice III</td>
<td>5</td>
</tr>
<tr>
<td>1 &amp; 2</td>
<td>PHAR 3202</td>
<td>Applied Therapeutics</td>
<td>12</td>
</tr>
<tr>
<td>1 &amp; 2</td>
<td>PHAR 3203</td>
<td>Pharmacokinetics (Basic &amp; Clinical)</td>
<td>6</td>
</tr>
<tr>
<td>2</td>
<td>PHAR 3104</td>
<td>Pharmacy Law &amp; Ethics</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>PHAR 3105</td>
<td>Biostatistics &amp; Research Methodology</td>
<td>3</td>
</tr>
<tr>
<td>2</td>
<td>PHAR 3204</td>
<td>Pharmacy Practice III (P/T)</td>
<td>2</td>
</tr>
<tr>
<td>4</td>
<td>PHAR 4102</td>
<td>Pharmacy Administration</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>PHAR 4103</td>
<td>Pharmacy Seminars</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>PHAR 4104</td>
<td>Research Project</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>PHAR 4105</td>
<td>Community Pharmacy Practice</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>PHAR 4106</td>
<td>Institutional Pharmacy Practice</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>PHAR 4107</td>
<td>Clinical Toxicology</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>PHAR 4108</td>
<td>Pharmacoeconomics</td>
<td>2</td>
</tr>
<tr>
<td>1 &amp; 2</td>
<td>PHAR 4201</td>
<td>Pharmacy Practice IV</td>
<td>20</td>
</tr>
<tr>
<td>1 &amp; 2</td>
<td>PHAR 4202</td>
<td>Pharmacy Practice V (P/T)</td>
<td>16</td>
</tr>
</tbody>
</table>

**PHARMACY COURSE DESCRIPTIONS**

**Level: 1**

**Semester: 1 & 2**

**Course Code:** PHAR 1201  
**Course Title:** PHARMACY PRACTICE I  
**Number of Credits:** 5  
**Prerequisites:** NONE  
**Co-requisites:** NONE  
**Course Description:** 
Orientation to the Profession of Pharmacy, Introduction to Dosage Forms (Semester 1, 3 credits)

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 and philosophical economic, legal and ethical issues affecting the practice of the profession. It emphasizes the requirements, responsibilities and attitudes that are essential for the success as a professional and examines the various career pathways and roles of the pharmacists.

**Course Code:** PHAR 1202  
**Course Title:** PHARMACEUTICAL CHEMISTRY  
**Number of Credits:** 6  
**Prerequisites:** NONE  
**Co-requisites:** NONE  
**Course Description:** 
Pharmacy Calculations (Semester 2, 2 credits)

This 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.

**Level: 1**

**Semester: 1 & 2**

**Course Code:** PHAR 1201  
**Course Title:** PHARMACY PRACTICE I  
**Number of Credits:** 5  
**Prerequisites:** NONE  
**Co-requisites:** NONE  
**Course Description:** 
Orientation to the Profession of Pharmacy, Introduction to Dosage Forms (Semester 1, 3 credits)

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 and philosophical economic, legal and ethical issues affecting the practice of the profession. It emphasizes the requirements, responsibilities and attitudes that are essential for the success as a professional and examines the various career pathways and roles of the pharmacists.

**Course Code:** PHAR 1202  
**Course Title:** PHARMACEUTICAL CHEMISTRY  
**Number of Credits:** 6  
**Prerequisites:** NONE  
**Co-requisites:** NONE  
**Course Description:** 
Pharmacy Calculations (Semester 2, 2 credits)

This 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.
Level: 1  
Semester: 1 & 2  
Course Code: PHAR 1203  
Course Title: INTEGRATED BASIC HEALTH SCIENCES  
Number of Credits: 12  
Prerequisites: NONE  
Co-requisites: NONE  
Course Description:  
The study of Basic Health Sciences, including anatomy, physiology, and biochemistry, is important for building a strong foundation of knowledge of natural drugs and their actions within the body, and also for further understanding of pathophysiology of diseases involving various organ systems in the body.

These basic medical sciences are taught in an integrated approach, covering various topics such as cells and cell biology, tissues and organ systems like cardiovascular, central and peripheral nervous system, digestion and metabolism, cardiovascular and renal, respiration, endocrines and reproduction and muscles, bones and joints. The course also includes community health aspects involving public health, primary care and epidemiology of diseases related to various organ systems.

Level: 2  
Semester: 1  
Course Code: PHAR 2105  
Course Title: MICROBIOLOGY, IMMUNOLOGY & GENERAL PATHOLOGY  
Number of Credits: 3  
Prerequisites: Successful completion of all Level I courses  
Co-requisites: NONE  
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 immunization against infectious diseases; classification or range of antimicrobial agents; sterilization methods preventing contamination of pharmaceutical products; and understanding the need for a well-developed strategy for controlling infectious diseases.

Immunology  
Incorporates an overview of the immune system (organization 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 immunization.

General Pathology  
Basic pathophysiological and morphological changes that are associated with some common pathological states like cell injury, acute and chronic inflammation, cell growth, edema, hemorrhage, thrombosis, wound healing, mechanisms of carcinogenesis and characteristics of neoplasms are covered.

Level: 2  
Semester: 1 & 2  
Course Code: PHAR 2201  
Course Title: PHARMACY PRACTICE II  
Number of Credits: 4  
Prerequisites: Successful completion of all Level I courses  
Co-requisites: NONE  
Course Description:  
Drug Information Resources and Evaluation (Semester 1, 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.

Compounding skills (Semester 2, 2 credits)  
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 emphasized 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.
Level: 2
Semester: 1 & 2
Course Code: PHAR 2202
Course Title: MEDICINAL CHEMISTRY
Number of Credits: 6
Prerequisites: Successful completion of all Level I courses
Co-requisites: NONE
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 of 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, partition coefficient, and the chemical features such as conformational and configurational features contribute to the drug activity and affect its administration, distribution, metabolism and excretion.

Level: 2
Semester: 1 & 2
Course Code: PHAR 2203
Course Title: PHARMACEUTICS
Number of Credits: 8
Prerequisites: Successful completion of all Level I courses
Co-requisites: NONE
Course Description:
Dosage form design (Semester 1, 4 credits)
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 forms are emphasized to give the beginner an orientation to pharmacy practices.

Biopharmaceutics, New drug delivery systems and devices (Semester 2, 4 credits)
Biopharmaceutics provide an understanding of the relationship between physical, chemical and biological principles as they apply to drug absorption, distribution, metabolism, excretion and factors that influence the bioavailability of orally administered drugs.
Level: 3
Semester: 1
Course Code: PHAR 3106
Course Title: COMPLEMENTARY/ ALTERNATIVE MEDICINE & NON-PRESCRIPTION DRUGS
Number of Credits: 3
Prerequisites: Successful completion of all Level II courses
Co-requisites: NONE
Course Description:
The social and scientific foundations of complementary and alternative medicine (CAM) leading to an evidence-based approach are covered in this course. The course covers the safety of complementary and alternative medicine products and practices (herbal products, homeopathy, acupuncture, etc.); common aspects of traditional healing systems across cultures; and overviews of CAM systems, such as Ayurvedic medicine, herbal medicine, homeopathy, naturopathic medicine, nutritional biot- therapy, traditional Chinese medicine.

Non-Prescription Drugs: This course describes the intention to use non-prescription/Over-The-Counter (OTC) drugs by the prerogative of the lay public to alleviate symptoms of a disease with or without the advice of a physician. Scenarios are used to expound when patient selection of an OTC is appropriate or referral to a physician for consultation is deemed to be in the patient’s interest. The Physiology, Pharmacology, Adverse Drug reactions and Patient Counselling with respect to OTCs are covered.

Level: 3
Semester: 1 & 2
Course Code: PHAR 3201
Course Title: PHARMACY PRACTICE III
Number of Credits: 5
Prerequisites: Successful completion of all Level II courses
Co-requisites: NONE
Course Description:
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 a confidence during these interactions.

The Laboratory course 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 cytotoxic agents prescriptions.
Level: 3
Semester: 2
Course Code: PHAR 3104
Course Title: PHARMACY LAW & ETHICS
Number of Credits: 2
Prerequisites: Successful completion of all Level II courses
Co-requisites: NONE
Course Description:
Students will demonstrate communication skills in the use of legal writing and terminology. They would be able to relate a number of Acts and Regulations to the ethical-legal practice of Pharmacy from WHO and a number of Pharmacy Associations, Boards and Councils. Students in Trinidad and Tobago will pay special attention to the Food and Drugs Regulations, The Pharmacy Board Act, The Antibiotic Ordinance, The Dangerous Drugs Act, The Narcotic Ordinance, the conditions for registration and removal of a Pharmacist and the Code of Ethics adopted by the Pharmacy Board.

Level: 3
Semester: 2
Course Code: PHAR 3105
Course Title: BIOSTATISTICS & RESEARCH METHODOLOGY
Number of Credits: 3
Prerequisites: Successful completion of all Level II courses
Co-requisites: NONE
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; familiarize 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.

Level: 4
Semester: 1
Course Code: PHAR 4102
Course Title: PHARMACY ADMINISTRATION
Number of Credits: 4
Prerequisites: Successful completion of all Level III courses
Co-requisites: NONE
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 workflow pattern; application of the principles of planning, organizing, communicating, coordinating and controlling to evaluate and propose changes in the operations of pharmaceutical care practice in community, hospital, long-term care managed care or other setting; the use of financial statements and financial analysis to diagnose financial and management problems, and prepare a budget for a pharmacy; understanding the basic concepts of risk management and rational decisions regarding insurance; applying principles of strategic planning to develop a course of action for any pharmacy; and applying principles of business planning to implement pharmaceutical care services, and evaluate success of service.

Level: 4
Semester: 1
Course Code: PHAR 4103
Course Title: PHARMACY SEMINARS
Number of Credits: 2
Prerequisites: Successful completion of all Level III courses
Co-requisites: NONE
Course Description:
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, pharmacoconomics, 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.
Level: 4
Semester: 1
Course Code: PHAR 4104
Course Title: RESEARCH PROJECT
Number of Credits: 2
Prerequisites: Successful completion of all Level III courses
Co-requisites: NONE
Course Description:
The research project aims to provide a basic level of training in systematic investigation of a topic of interest to the student. It provides an opportunity to learn about research methods, gain skill in writing a research proposal in an appropriate format, skill in literature survey and to collect the relevant research papers, design the experiment or questionnaire giving due consideration to principles of selection of subjects, inclusion/exclusion criteria, sample size and statistical consideration, collection of data, organizing it and representing it in the form of tables or graphs, apply statistical methods wherever required, transform the data into useful information, discuss the results and draw a conclusion from the whole exercise. Students get an opportunity to report their findings in an appropriate format and style, present orally to an audience and defend their findings.

Level: 4
Semester: 1
Course Code: PHAR 4105
Course Title: COMMUNITY PHARMACY PRACTICE MANAGEMENT
Number of Credits: 2
Prerequisites: Successful completion of all Level III courses
Co-requisites: NONE
Course Description:
This course explores selected topics in the organization and operation of a retail pharmacy. Topics include organizing and financing a pharmacy, examining the economic and political environment, marketing pharmaceutical services, assessing automation and computerizing the pharmacy and other current issues. The goal is to provide the knowledge and managerial skills to succeed in a competitive marketplace. The community practice of pharmacy also entails the clinical responsibility for the safe and appropriate use of drugs, and the control of the patient’s overall medication profile within the framework of Pharmaceutical Care.

Level: 4
Semester: 1
Course Code: PHAR 4106
Course Title: INSTITUTIONAL PHARMACY PRACTICE MANAGEMENT
Number of Credits: 2
Prerequisites: Successful completion of all Level III courses
Co-requisites: NONE
Course Description:
The student is introduced to hospital pharmacy management and to the 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. The hospital practice of pharmacy also includes clinical responsibility for the safe and appropriate use of drugs and control of the patient’s overall drug regimen within the framework of Pharmaceutical Care.

Level: 4
Semester: 1
Course Code: PHAR 4107
Course Title: CLINICAL TOXICOLOGY
Number of Credits: 2
Prerequisites: Successful completion of all Level III courses
Co-requisites: NONE
Course Description:
Students will be able to recall the basic principles of toxicology, and the molecular mechanisms in toxicity. Students will be able to relate the acute poisoning, toxicities of drugs, noxious industrial chemicals, household and agricultural products, drugs of abuse and environmental toxicology to relevant mechanisms.

Level: 4
Semester: 1
Course Code: PHAR 4108
Course Title: PHARMACOECONOMICS
Number of Credits: 2
Prerequisites: Successful completion of all Level III courses
Co-requisites: NONE
Course Description:
Pharmacoeconomics attempts to identify, measure, evaluate and improve the effectiveness of health care and to control the cost of inappropriate care. Emphasis is placed on greater accountability of providers who must accept responsibility for meeting society’s goals of high quality care at an affordable price. The student must understand that care includes both the direct medical costs and benefits associated with therapeutic options and the indirect or out of pocket costs borne by patients, their families and employees.
SCHOOL OF ADVANCED NURSING EDUCATION (SANE)

BACHELOR OF SCIENCE IN NURSING PROGRAMME (BScN)

Curriculum Objectives

I. To synthesize knowledge from the sciences essential to the professional practice of nursing.
II. To utilize nursing theories to guide the practice of nursing.
III. To use the problem-solving approach to manage patient care.
IV. To exercise critical thinking and professional judgement in decision-making.
V. To investigate nursing and healthcare problems using scientific methods.
VI. To demonstrate competence in Advanced Nursing practice.
VII. To use databases and digital information resources to predict trends in nursing and plan accordingly.
VIII. To participate in strategic planning, policy formulation and programme planning which impact on nursing and health.
IX. To demonstrate competence in planning, implementing and evaluating, health promotion interventions, health management, and education programmes.
X. To direct the management of resources in the nursing sector.
XI. To demonstrate leadership capabilities in resource mobilization to advance the practice of nursing to achieve health gains.
XII. To provide essential knowledge, skills and attitudes for those wanting to become nursing educators responsible for managing education programmes for nurses.
XIII. To collaborate with the community and multi-disciplined teams of healthcare professionals in developing health promotion programmes.
XIV. To observe ethical, moral, and legal obligations inherent in nursing and health care practices.
XV. To engender within the professional and personal interactions in nursing, the value systems and socioeconomic conditions of individuals and groups from diverse cultural backgrounds.
XVI. To provide the quality of education that would lead graduates to postgraduate programmes in nursing including nursing education.