Subject information (overview of syllabus)
The syllabus content is subject to change to accommodate industry changes. Please note: A more detailed syllabus is available at the department or in the study guide that is applicable to a particular subject. On 1 September 2014, syllabus content was defined as follows:

A

ADVANCED RESEARCH METHODOLOGY AND PROJECT (RIP448P) CONTINUOUS ASSESSMENT
(Module custodian: Department of Pharmaceutical Sciences)
The theory and practice of research including, a structured project in an area of pharmacy. The module is presented in 3 parts: Part 1: Research methodology theory and protocol development. Part 2: Experimental phase and data collection. Part 3: Completion and submission of research report. These parts are separated by other modules for administration and logistic purposes. (Total tuition time: ± 108 hours)

AESTHETICS I (AES110T) 1 X 3-HOUR PAPER AND PRACTICAL
(Subject custodian: Department of Pharmaceutical Sciences)
History of make-up, current make-up techniques, corrective make-up, evening make-up, photographic make-up, day make-up, make-up for different skin colours, make-up for the aged skin, hairstyles, client cards, make-up products, eyebrow shaping. Principles of colour and form. (Total tuition time: not available)

ANATOMY AND PHYSIOLOGY I (APY140B) 1 X 3-HOUR PAPER
(Subject custodian: Department of Biomedical Sciences)
Introduction to homeostasis. Basic body topography. Cytology (cell membrane, membrane transport mechanisms, cytoplasm, cell cycle). Histology (epithelial tissues, connective tissues). Dermatology (epidermis, dermis, hair, nails, glands, pigmentation, acid mantle). Osteology (compact bone, cartilage tissue, skeletal macrostructure, classification of joints, synovial joints). Myology (muscle contraction physiology, muscle metabolism, skeletal muscle location and actions). Cardiovascular system (heart, blood vessels, blood pressure, blood tissue, hemostasis). Lymphatic system (lymph vessels, lymphatic organs, lymph flow). Immunology (non-specific resistance mechanisms, specific immunity concepts). (Total tuition time: ± 100 hours)

ANATOMY AND PHYSIOLOGY II (APY220T) 1 X 3-HOUR PAPER
(Subject custodian: Department of Biomedical Sciences)
The skin, sensory organs, lymphatic system and immunology, digestive system, metabolism and nutrition. Excretory organs, urinary system, fluids and electrolytes, reproductive, endocrine and respiratory systems. Practical work. (Total tuition time: ± 100 hours)

APPLIED BIOLOGICAL SCIENCES III (ABS300T) 1 X 3-HOUR PAPER
(Subject custodian: Department of Biomedical Sciences)
Microbiology, hygiene, introduction to pharmacology, introduction to pathology. (Total tuition time: not available)

B

BIOPHARMACEUTICS IV (BPM400T) CONTINUOUS ASSESSMENT
(Subject custodian: Department of Pharmaceutical Sciences)
Routes of drug administration. Principles of drug absorption and factors influencing absorption. Bio-equivalence testing. (Total tuition time: not available)

BIOTICS I (BTS100T) 1 X 3-HOUR PAPER AND PRACTICAL
(Subject custodian: Department of Pharmaceutical Sciences)
Components of well-being, movement, applied anatomy, anthropometry, aerobic programming and injury prevention. Practical: aerobic participation, body analysis and music planning. (Total tuition time: not available)

BIOTICS II (BTS200T) 1 X 3-HOUR PAPER AND PRACTICAL
(Subject custodian: Department of Pharmaceutical Sciences)
Anthropometry, physiology of exercise and energy systems. Practical: anthropometry, aerobics, step, toning and stretching classes. (Total tuition time: not available)
BIOTICS III (BTS300T) 1 X 3-HOUR PAPER AND PRACTICAL
*(Subject custodian: Department of Pharmaceutical Sciences)*
Injuries, stress management, exercise and pregnancy, fitness evaluation. Practical: advanced aerobics and callisthenics classes, fitness evaluation, gymnasium equipment, personal training and prenatal and postnatal exercise. (Total tuition time: not available)

BUSINESS PRACTICE I (BNP110C) 1 X 3-HOUR PAPER
*(Subject custodian: Department of Management and Entrepreneurship)*
Introduction to the business world, marketing orientation, non-verbal and verbal communication, written business communication, professional ethics, selling techniques, sales administration. (Total tuition time: not available)

BUSINESS PRACTICE II (BNP200T) 1 X 3-HOUR PAPER
*(Subject custodian: Department of Management and Entrepreneurship)*
Identifying market opportunities, locating the clinic, product and service strategy, pricing strategy, advertising, sales promotions, public relations, legal aspects. (Total tuition time: not available)

BUSINESS PRACTICE III (BNP300T) 1 X 3-HOUR PAPER
*(Subject custodian: Department of Management and Entrepreneurship)*
Strategic business planning, human resource, financial and operations management, clinic administration, basic accounting procedures, risk management, starting a small business, entrepreneurship. (Total tuition time: not available)

CARDIOVASCULAR PHARMACY (CAP245P) CONTINUOUS ASSESSMENT
*(Module custodian: Department of Pharmaceutical Sciences)*
An overview of the anatomy and physiology of the cardiovascular and renal systems. The pathophysiology of the major disorders affecting the cardiovascular and renal systems. The pharmacology of the therapeutic agents, including antimicrobials, used to treat these disorders. (Total tuition time: ± 90 hours)

CLINICAL TRIALS IV (CCR400T) CONTINUOUS ASSESSMENT
*(Subject custodian: Department of Pharmaceutical Sciences)*
Clinical trial design. Case reports. (Total tuition time: not available)

CLINICAL RESEARCH (CRH500T) CONTINUOUS ASSESSMENT
*(Subject custodian: Department of Pharmaceutical Sciences)*
Study design in clinical trials. Biopharmaceutics. Case reports. Good clinical practice (GCP) and good laboratory practice (GLP). (Total tuition time: not available)

COMMUNICATION SKILLS I (COS100B) 1 X 3-HOUR PAPER
*(Subject custodian: Department of Applied Languages)*
Writing and letter-writing skills for the somatology industry. Oral presentation and demonstration skills. (Total tuition time: not available)

COMMUNITY PHARMACY (CYH500T) CONTINUOUS ASSESSMENT
*(Module custodian: Department of Pharmaceutical Sciences)*
Principles of pharmaceutical care. Drug information. Human resource management. (Total tuition time: not available)

COMMUNITY PHARMACY PRACTICE: COMMUNITY-BASED PHARMACEUTICAL CARE (CPP347P) CONTINUOUS ASSESSMENT
*(Module custodian: Department of Pharmaceutical Sciences)*
Administration, management skills and the philosophy of pharmaceutical care. Counselling, provision of advice and drug therapy management and their effects on the patient. Immune status importance of prevention and nutrition and their effects on the family. Epidemiology, health education and drug information and their effects on the community. The following aspects of dispensing: legal, communication with the patient and other health-care professionals, patient profiles, preparation of the prescription and record-keeping. The role of the pharmacist as a tutor. (Total tuition time: ± 126 hours)
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<tr>
<th>Module Code</th>
<th>Module Name</th>
<th>Credit</th>
<th>Description</th>
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<tbody>
<tr>
<td>CPL347P</td>
<td>COMMUNITY PHARMACY WORK-BASED LEARNING</td>
<td>36</td>
<td>Practical experience in aspects of the dispensing process, pharmacist initiated care, communication with the patient and other health-care workers, specialist areas of community pharmacy, legal and ethical requirements and important aspects of management. (Total tuition time: ± 36 hours)</td>
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<tr>
<td>EAR347P</td>
<td>ENDOCRINOLOGY AND REPRODUCTION</td>
<td>108</td>
<td>A study of the pathophysiology of major disorders affecting the endocrine system, coupled with drug treatment of such conditions. This module includes the basic female and male reproduction functions, diseases and conditions that are under hormonal control, including pregnancy, growth development, birth, genetics, lactation and ageing. (Total tuition time: ± 108 hours)</td>
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<tr>
<td>EQI400T</td>
<td>ESTABLISHING THE QUALITY OF MEDICINES IV</td>
<td>Not available</td>
<td>Good manufacturing practice. Quality control procedures on raw materials and finished products. Stability testing. (Total tuition time: not available)</td>
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<tr>
<td>GCL400T</td>
<td>GOOD CLINICAL AND LABORATORY PRACTICE IV</td>
<td>Not available</td>
<td>Principles of good clinical practice (GCP) and good laboratory practice (GLP). Writing and implementing standard operating procedures. (Total tuition time: not available)</td>
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<tr>
<td>FDF400T</td>
<td>FORMULATION OF DOSAGE FORMS IV</td>
<td>Not available</td>
<td>Types of dosage forms and their excipients. Unit processes. (Total tuition time: not available)</td>
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<tr>
<td>MTM145P</td>
<td>FROM MOLECULES TO MEDICINES</td>
<td>90</td>
<td>An overview of the design and development of pharmaceutical products. Research and development of drug delivery systems, chemistry of medicinal compounds – introductory organic chemistry, the reactions that drug compounds undergo, physical and chemical properties of drugs and how these affect formulation, isolation/synthesis of active ingredients, preformulation, formulation, basic principles underlying the development of drug delivery systems, the various drug delivery systems, stability aspects, an introduction to preclinical and clinical trials, compounding of medicines. (Total tuition time: ± 90 hours)</td>
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<tr>
<td>ATM145P</td>
<td>FROM ATOMS TO MOLECULES</td>
<td>72</td>
<td>Drug entities of synthetic organic/inorganic nature: structure, reactivity, bonding, acid/base characteristics, configuration and conformation, periodic table, redox reactions, salt formation, pH, pKa, limit tests, physical phases. Analytical methods. (Total tuition time: ± 72 hours)</td>
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<tr>
<td>HPC448P</td>
<td>HOSPITAL-BASED PHARMACEUTICAL CARE AND FIRST-AID</td>
<td>126</td>
<td>The principles and practice of pharmaceutical care in a hospital setting. The module covers the completion of a patient database, identification of patient’s drug related needs, construction of a drug related problem list and the development, implementation and evaluation of pharmaceutical care plan. First aid. Human resource management (Provide well managed human resources in the hospital pharmacy). (Total tuition time: ± 126 hours)</td>
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<tr>
<td>HPL448P</td>
<td>HOSPITAL PHARMACY WORK-BASED LEARNING</td>
<td>36</td>
<td>Philosophy of pharmaceutical care, health systems, managing drug supply, administration and management. Treatment plans. (Total tuition time: ± 36 hours)</td>
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<tr>
<td><strong>INDUSTRIAL PHARMACY WORK-BASED LEARNING (IPL246P)</strong></td>
<td>CONTINUOUS ASSESSMENT</td>
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<td><em>(Module custodian: Department of Pharmaceutical Sciences)</em></td>
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<td>Practical experience in aspects of the medicines regulatory process, production of pharmaceuticals, pharmaceutical research and development, implementing good manufacturing procedures, quality assurance, personnel and business management, as well as the marketing and advertising of pharmaceuticals. (Total tuition time: ± 36 hours)</td>
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<tr>
<td><strong>INTRODUCTION TO BIOPHARMACEUTICS, PHARMACOKINETICS AND PHARMACODYNAMICS (IBP145P)</strong></td>
<td>CONTINUOUS ASSESSMENT</td>
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<td><em>(Module custodian: Department of Pharmaceutical Sciences)</em></td>
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<td>An introduction to health-care interventions and biopharmaceutics (processes prior to drug administration), pharmacokinetics (processes that include drug absorption, distribution, metabolism and excretion) and therapeutic drug monitoring and pharmacodynamics (drug action). (Total tuition time: ± 90 hours)</td>
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<td><strong>INDUSTRIAL PHARMACY PRACTICE (IPP246P)</strong></td>
<td>CONTINUOUS ASSESSMENT</td>
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<td><em>(Module custodian: Department of Pharmaceutical Sciences)</em></td>
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<td>An overview of the pharmaceutical manufacturing facility and organisational layout. Planning for production. The manufacturing facility. The principles and practice of quality assurance, including good manufacturing practices and quality control. (Total tuition time: ± 90 hours)</td>
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<tr>
<td><strong>MEDICINE GOVERNANCE (MGE500T)</strong></td>
<td>CONTINUOUS ASSESSMENT</td>
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<td><em>(Subject custodian: Department of Pharmaceutical Sciences)</em></td>
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<td>National drug policies. Drug regulation in South Africa. Regulation of complementary medicines, veterinary medicines and medical devices. (Total tuition time: not available)</td>
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<td><strong>MICROORGANISMS, MAN AND MEDICINES (MMM145P)</strong></td>
<td>CONTINUOUS ASSESSMENT</td>
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<td><em>(Module custodian: Department of Pharmaceutical Sciences)</em></td>
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<td>A study of medically important micro-organisms, including bacteria, viruses, fungi, protozoa, helminths and arthropods. Biological and microbiological aspects of structure, growth, diagnosis, virulence, pathogenesis, sensitivity, resistance and transmission. An introduction to the body’s defences against infection, including the lymphatic system, cells of the immune system and inflammatory and hypersensitivity reactions. Additional agents used in infections. (Total tuition time: ± 90 hours)</td>
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<tr>
<td><strong>MODERN TECHNOLOGIES IN HEALTH CARE (MTH347P)</strong></td>
<td>CONTINUOUS ASSESSMENT</td>
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<td><em>(Module custodian: Department of Pharmaceutical Sciences)</em></td>
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<td>Principles of molecular biology, the principles, methods and products of biotechnology, such as fermentation, recombinant DNA technology, gene therapy and immunological assays as applied to the diagnosis, prevention and treatment of inherited and acquired diseases. Theory and practice of new drug delivery systems. The immune system response and host defence mechanisms, with particular reference to diseases that can be prevented through immunisation. The principles and production of vaccines, antisera, immunoglobulins and the principles of hybridisation technology. (Total tuition time: ± 90 hours)</td>
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<tr>
<td><strong>NEUROMUSCULAR AND SKELETAL SYSTEMS, SKIN, INFLAMATION AND PAIN MANAGEMENT (NSS347P)</strong></td>
<td>CONTINUOUS ASSESSMENT</td>
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<td><em>(Module custodian: Department of Pharmaceutical Sciences)</em></td>
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<td>An integrated study of the anatomy, physiology, pathophysiology and pharmacotherapy of the skeletal, neuromuscular systems and skin. The module also includes wounds and dressings. Emphasis is placed on the pharmacology of therapeutic agents used to treat disorders of these systems. (Total tuition time: ± 108 hours)</td>
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<tr>
<td><strong>NEUROLOGICAL AND PSYCHIATRIC PHARMACY (NPP448P)</strong></td>
<td>CONTINUOUS ASSESSMENT</td>
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<td><em>(Module custodian: Department of Pharmaceutical Sciences)</em></td>
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<tr>
<td>An integrated study of the basic anatomy and physiology of the brain and nervous system. The module includes the pathophysiology of the major disorders affecting the central nervous system, with the emphasis on the pharmacology of appropriate therapeutic agents. Substance abuse, anaesthetics and pain management are also covered. (Total tuition time: ± 126 hours)</td>
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NUTRITION I (NUT100T) 1 X 3-HOUR PAPER
(Subject custodian: Department of Hospitality Management)
Study of the chemical structure, metabolism and physiological functions of each nutrient, as well as the interaction of nutrients in the body. (Total tuition time: not available)

NUTRITION II (NUT210B) 1 X 3-HOUR PAPER
(Subject custodian: Department of Hospitality Management)
Application of basic nutritional knowledge gained in the first year regarding energy metabolism, planning of nutritionally balanced meals and the nutrition of specific age groups. Basic knowledge of the modification of the normal diet when planning therapeutic menus. (Total tuition time: not available)

NUTRITION III (NUT320B) 1 X 3-HOUR PAPER
(Subject custodian: Department of Hospitality Management)
Factors influencing dietary patterns. Dietary habits of ethnic, religious and other groups in Southern Africa. Nutrition and the food industry. Consumer education. (Total tuition time: not available)

NUTRITION IV (NUT400T) 1 X 3-HOUR PAPER
(Subject custodian: Department of Hospitality Management)
Study of the human nutritional needs in the life cycle, influences of nutrition on physical and mental development with regard to malnutrition, cultural and religious influences. (Total tuition time: not available)

NUTRITION AND GASTROENTEROLOGY (NAG145P) CONTINUOUS ASSESSMENT
(Module custodian: Department of Pharmaceutical Sciences)
An anatomical and physiological overview of the liver and gastro-intestinal tract and their innervation, with particular emphasis on the absorption and metabolism of nutrients and drugs. Major problems of nutrition and metabolic or chronic disorders in which nutrition plays a pivotal role will be addressed, including diabetes, obesity, eating disorders, malabsorption, alcohol abuse and pancreatitis. The identification of the presence of risk factors for malnutrition. The chemistry, pharmaceutics and pharmacology of drugs affecting the gastro-intestinal tract and drugs used to treat common GI problems. (Total tuition time: ± 90 hours)

ORIENTATION AND INTRODUCTION TO THE PRACTICE OF PHARMACY IN SOUTH AFRICA (OPP145P) CONTINUOUS ASSESSMENT
(Module custodian: Department of Pharmaceutical Sciences)
Introduce students to the institution, acquainting them with the administration, student and general organisations and campus layout. Personal development by prompting students’ social skills, academic skills, computer literacy, proficiency in English. Introduce students to Problem Based Learning (PBL) method. Provide an overview of the nature and ethos of the pharmacy profession. National Drug Policy, selection, procurement, distribution, cold chain management. Applicable legislation. Drug information and rational drug use. Essential Medicines List and treatment protocols. Medicines pricing. Ethics. Good Pharmacy practice. Interaction with other health-care professionals. (Total tuition time: ± 126 hours)

PHARMACEUTICAL PACKAGING IV (PHA400T) CONTINUOUS ASSESSMENT
(Subject custodian: Department of Pharmaceutical Sciences)
Specification requirements for pharmaceutical packaging and labelling. Quality control procedures regarding packaging materials. (Total tuition time: not available)

PHARMACEUTICAL PRODUCTION (PRU500T) CONTINUOUS ASSESSMENT
(Subject custodian: Department of Pharmaceutical Sciences)
Formulation of dosage forms. Establishing the quality of pharmaceutical products. Packaging and labelling of pharmaceuticals. (Total tuition time: not available)

PHARMACO-ECONOMICS (PHN500T) CONTINUOUS ASSESSMENT
(Subject custodian: Department of Pharmaceutical Sciences)
Basic economic concepts. Efficiency concepts. Economic evaluations. Drug utilisation reviews. (Total tuition time: not available)
PRIMARY HEALTH CARE WORK-BASED LEARNING (PHL246P)  
**CONTINUOUS ASSESSMENT**  
*(Module custodian: Department of Pharmaceutical Sciences)*  
Practical experience in aspects of pharmaceutical and related services at Primary Health Care level. (Total tuition time: ± 72 hours)

PRINCIPLES AND PRACTICE OF PHARMACEUTICAL MANUFACTURING: MEDICINES PRODUCTION ON THE LARGE SCALE (PPP246)  
**CONTINUOUS ASSESSMENT**  
*(Module custodian: Department of Pharmaceutical Sciences)*  
An overview of the manufacturing of pharmaceuticals. Physical, chemical and pharmaceutical principles in the production, packaging and labelling of pharmaceutical products. (Total tuition time: ± 90 hours)

REGISTRATION OF MEDICINES IV (ROM400T)  
**CONTINUOUS ASSESSMENT**  
*(Subject custodian: Department of Pharmaceutical Sciences)*  
Requirements of the Medicines Control Council. Application for the registration of a medicine. (Total tuition time: not available)

RESEARCH METHODOLOGY (RMD500C)  
**CONTINUOUS ASSESSMENT**  
*(Subject custodian: Department of Pharmaceutical Sciences)*  
Qualitative and quantitative research. Protocol writing. Report writing. Basic statistics. (Total tuition time: not available)

RESEARCH METHODOLOGY: NATURAL SCIENCES: SOMATOLOGY (RSY20XT)  
**1 X 3-HOUR PAPER**  
*(Subject custodian: Department of Pharmaceutical Sciences)*  
A general introduction to research methodology, which includes the planning and execution of the research process, as well as the different types of research and research strategies. Basic principles of measurements and methods of data collection. (Total tuition time: not available)

RESEARCH METHODOLOGY: NATURAL SCIENCES: STATISTICS (RSY20YT)  
**1 X 3-HOUR PAPER**  
*(Subject custodian: Department of Mathematics and Statistics)*  
A general introduction to research methodology, which includes the planning and execution of the research process, as well as the different types of research and research strategies. Basic principles of measurements and methods of data collection. (Total tuition time: not available)

RESPIRATORY SYSTEM, EAR AND EYE (RSE246P)  
**CONTINUOUS ASSESSMENT**  
*(Module custodian: Department of Pharmaceutical Sciences)*  
The structure and functioning of the respiratory system, ear and eye. The role of the nervous system in controlling the functioning of the respiratory system, ear and eye. Important disorders of the respiratory system, ear and eye and their prevention, non-pharmacological and pharmacological management. (Total tuition time: ± 126 hours)

SCIENCE I (SCI100T)  
**1 X 3-HOUR PAPER**  
*(Subject custodian: Department of Chemistry)*  
Weight and measures, nature of matter, two-phase preparations, properties of solids, liquids and gases, heat, water, saponification, acids, bases, salts, neutralisation, oils, fats, waxes, starches, gums, gels, resins, synthetic mucilages, colours, lakes, pigments and dyes. Cosmetology practical. (Total tuition time: not available)

SCIENCE II (SCI200T)  
**1 X 3-HOUR PAPER**  
*(Subject custodian: Department of Chemistry)*  
Electricity, light, sound. Classification of cosmetic preparations. Mask, make-up cosmetics, nail products and bath preparations. Organic chemistry. Cosmetology practical. (Total tuition time: not available)

SOCIO-PSYCHOLOGY I (SOS100T)  
**1 X 3-HOUR PAPER**  
*(Subject custodian: Department of Pharmaceutical Sciences)*  
Personality development, intelligence, emotion, motivation. Sociology. Family systems, society and culture. Development psychology. The adolescent, mature, middle-aged and aged client. (Total tuition time: not available)
SOCIO-PSYCHOLOGY II (SOS200T) 1 X 3-HOUR PAPER
(Subject custodian: Department of Pharmaceutical Sciences)
Abnormal psychology: frustration, conflict, stress, neurosis and pathological manifestations. Basic principles and handling techniques. (Total tuition time: not available)

SOMA TECHNIQUES I (STH100T) 1 X 3-HOUR PAPER AND PRACTICAL
(Subject custodian: Department of Pharmaceutical Sciences)
Safety, hygiene and sterilisation. Record-keeping. Skincare and products. Skin diseases and disorders. Facial treatments, body treatments. Manicure, pedicure, waxing and body massage. Students are required to attend and pass all product training and workshops. Students may be required to do community service. (Total tuition time: not available)

SOMA TECHNIQUES II (STH200T) 2 X 2-HOUR PAPER AND PRACTICAL
(Subject custodian: Department of Pharmaceutical Sciences)
Facial treatments. Body treatments. Epilation techniques, Reflexology, aromatherapy. Students are required to attend and pass all product training workshops and to do a certain amount of community service. (Total tuition time: not available)

SOMA TECHNIQUES III (STH300T) 2 X 3-HOUR PAPER AND PRACTICAL
(Subject custodian: Department of Pharmaceutical Sciences)
Lymph drainage, Reflexology, Aromatherapy, Specialised facial treatments, complementary therapies, skin diseases and hereditary diseases, different kinds of therapies, new developments and spa therapies. Students are required to attend and pass all product training and workshops. (Total tuition time: not available)

SOMA TECHNIQUES IV (STH400T) 1 X 3-HOUR PAPER AND PRACTICAL
(Subject custodian: Department of Pharmaceutical Sciences)
Stress Relief and Relaxation therapy Specialised massage techniques, Medical aesthetics and Remedial therapies. (Total tuition time: not available)

SOMA TECHNIQUES PROJECT II (STP200T) EXPERIENTIAL LEARNING
(Subject custodian: Department of Pharmaceutical Sciences)
Various techniques and their application. Co-operative Learning at an approved spa, health clinic, hospital or on campus. (Total tuition time: not available)

SOMATOLOGY PROJECT IV (SOJ400T) PROJECT
(Subject custodian: Department of Pharmaceutical Sciences)
Students complete a protocol and literature study. (Total tuition time: not available)

SPECIALISED PHARMACY AND HOSPITAL PHARMACY PRACTICE (SPH448P) CONTINUOUS ASSESSMENT
(Module custodian: Department of Pharmaceutical Sciences)
Major managerial and clinical areas of pharmacy e.g. logistics and financial management, including cold chain management, Standard Operating Procedures, control of bulk compounding and preparation of sterile products, Pharmacy and Therapeutic Committees, pharmcoeconomics in drug selection, drug information, infection control, clinical nutrition, (parenteral and enteral feeding and stoma care), oncology, radiopharmacy and radioisotopes, transplants and related drug therapy, handling of pharmaceutical waste, the role of the consultant pharmacist. (Total tuition time: ± 126 hours)

STERILE PHARMACEUTICAL PRODUCTS (SPP347P) CONTINUOUS ASSESSMENT
(Module custodian: Department of Pharmaceutical Sciences)
An overview of the manufacturing of sterile pharmaceutical products. Sterilisation. The control of contamination. The manufacturing of sterile pharmaceutical products. The principles and practice of quality assurance, including good manufacturing practices and quality control, as applied to sterile pharmaceutical products. (Total tuition time: ± 72 hours)