University of Pretoria Yearbook 2016

BPhysT Physiotherapy (10138101)

Duration of study	4 years
Total credits	579
Contact	Prof DJ Mothabeng joyce.mothabeng@up.ac.za +27 (0)123563233

Programme information

A revised curriculum is being phased in for the programme. The revised first year of study will be followed for the first time in 2015, the second year in 2016, the third year in 2017 and the fourth year in 2018.

The programme extends over four academic years, during which period a student receives clinical training as a student physiotherapist at an institution approved by the University.

Students may be allowed to extend the first two years of study over three years, in which case the modules per year must be selected in consultation with the head of department at the commencement of studies.

Admission requirements

- In order to register NSC/IEB/Cambridge candidates must comply with the minimum requirements for degree studies and with the minimum requirements for the relevant study programme.
- Life Orientation is excluded in the calculation of the APS.
- Grade 11 results will be used for the conditional admission of prospective students.
- Admission to Health Sciences study programmes is subject to a selection process.

Minimum requirements for 2016												
Achievement Level												APS
English				Mathematics				Physical Science				
NSC/IEB	HIGCSE	AS-Level	A-Level	NSC/IEB	HIGCSE	AS-Level	A-Level	NSC/IEB	HIGCSE	AS-Level	A-Level	
4	3	D	D	4	3	D	D	4	3	D	D	30

Additional requirements

Also consult the General Regulations.

Notes:

(i) For students who registered for the BPhysT degree programme prior to 2015, the relevant regulations as they appear in the 2014 Yearbook will apply.

(ii)Each student in Physiotherapy must apply to the Registrar of the Health Professions Council of South Africa for registration as a student in Physiotherapy immediately after admission to the first year of study.

Other programme-specific information

First year of study:

Practical nursing

Practical nursing for a continual period of 40 hours must be completed satisfactorily at an approved hospital/facility after the conclusion of the examination period in November. Documentary proof to this effect must be submitted.

A subminimum of 40% is required in the theoretical as well as in the practical examination in FTP 100.

Second year of study:

Basic Emergency Care (Code GNK 286)

- If students obtain 60% or more in Basic Emergency Care, this mark will be validated as the **examination mark** at the end of the year, and such students will be exempted from the examination in the module.
- Students who obtain between 40% and 49% in the calculated mark for the module, will be admitted to a second examination in November/ December of the same year, or in January of the following year. A minimum of 50% is required as a pass mark for the second examination.
- This examination will also serve as an aegrotat or extraordinary examination for students who could not write the initial examination due to health or other acceptable reasons. A student must, however, apply formally to be admitted to such an examination, and the application must be approved by the Dean, on the recommendation of the head of department, and in some cases, also by the Faculty Health Committee.

Subminimum

A subminimum of 40% is required in the theoretical and practical components in the examination in FTP 220 and 203 and in POL 251 IHL 210

Third year of study:

Subminimum

A subminimum of 40% is required in the theoretical and practical/clinical examination in (FTP) Physiotherapy 300, (FTP) Physiotherapy clinical practice 301 and (POL) Professional development and leadership 300.

Fourth year of study

Subminimum

A subminimum of 40% is required in clinical/practical as well as theoretical components of the examination of (FTP 400,402) Physiotherapy 400 and 402 and (IHL 414, 424) Integrated healthcare leadership 414, 424.

Exemption from the examination in (ANP) Anatomical Pathology 210
Exemption from the examination may be granted if a student who obtained a module mark of at least 60%, exercises the option to accept it as the final mark.

Exemption from the examination in (FAR) Pharmacology 381, 382

Exemption from the examination can be granted if a student who obtained a module mark of at least 60%, exercises the option to accept it as the final mark.

Examinations and pass requirements

Students who fail a year in the existing curriculum will be managed on an individual basis in the Department of Physiotherapy.

Special examination: Fourth year of study

(aa) The student gets another opportunity to take part in the examination.

(bb) A special examination in (FTP 400) Physiotherapy 400, (FTP 402) Physiotherapy clinical practice 402 and (IHL 414, 424) Integrated healthcare leadership 414, 424, is conducted after six months have elapsed since the examination in which the student failed. If the student failed in (FTP 402) Physiotherapy clinical practice 402, he or she must undergo further clinical instruction in the clinical training areas and obtain at least 50% in the examination.

(cc) A student who has not obtained a pass mark in the research report of RHC 400, Research in healthcare sciences 400, must submit an amended research report at a later date determined by the head of department.

Ancillary examination: Fourth year of study

After the conclusion of the examination in (FTP 400) Physiotherapy 400 and (FTP 402) Physiotherapy clinical practice 402 and before the results are announced, the examiners may, with a view to awarding a final mark, summon a student for an ancillary examination in the theory and/or clinical component of (FTP 400) Physiotherapy 400 and (FTP 402) Physiotherapy clinical practice 402.

- In accordance with the stipulations of the General Regulations, no minimum year or semester mark is needed for admission to the examination, and all registered students are admitted to the examination automatically.
- The final mark for a specific module in Nursing Science, Physiotherapy, Radiography, Occupational Therapy and Human Nutrition (at least 50% is required to pass) is calculated from the examination mark as well as the mark compiled from the evaluation of a student during continuous, objective and controlled assessment opportunities during the course of the quarter/semester/year. At least one formal assessment per module is set as the minimum norm, and students will be exposed on a continuous and regular basis to self-directed assignments in order to promote reflective learning.
- In the case of modules with practical components, students are required to also comply with the applicable attendance requirements with regard to acquiring practical skills before a pass mark can be obtained for the module.
- There are two main examination opportunities per annum, the first and second examination. In respect of first-semester modules, the first examination opportunity is in May/June and the second examination opportunity in July. In respect of second-semester modules, the first examination opportunity is in October/ November and the second examination opportunity in November/December of the same year. Where students need to work additional clinical hours to be allowed to do a second examination, the Head of Department will determine the second examination opportunity.
- Only two examination opportunities per module are allowed. If a student fails a module at the second examination opportunity, the module must be repeated.
- A second examination opportunity in a module is granted to students in the following cases:

  - If a student obtains a final mark of less than 50% in the relevant module at the first examination opportunity and thus fails.

- If a student does not obtain the subminimum in the examination, as required for a specific module.

- If a student does not sit the examination in a module at the first examination opportunity due to illness or extraordinary circumstances.

- Students intending to sit the second examination due to the reasons mentioned above, must register for the second examination opportunity 24 hours after the results have been made public.
- If a student fails a module at the first examination opportunity, the examination mark obtained in the relevant module at the second examination opportunity will be calculated as the final mark. The marks obtained with continuous evaluation during the course of the quarter/semester/year will not be taken into calculation. If the student passes the module at the second examination opportunity, a maximum of 50% is awarded as a pass mark to the module in question.
- If a student could not sit the examination in a module at the first examination opportunity due to illness or extraordinary circumstances, the continuous evaluation mark, together with the examination mark obtained in the module in question at the second examination opportunity, will be calculated as the final mark obtained in the module.
- The School of Healthcare Sciences applies the General Regulations, according to which a student requiring a limited number of modules to complete his or her degree, may in terms of faculty regulations, be admitted to a special examination in the modules in question.

Promotion to next study year

Selected first-year students who have passed in sufficient first-semester modules at 100 level will, according to the stipulations of the General Regulations, automatically be admitted to the second semester of the first year of study. During the second semester, students may follow the outstanding module(s) on an anti-semester basis and write the examination, on the condition that the modules in question are indeed presented on an anti-semester basis in the second semester by the relevant department and can be accommodated in the class and examination timetables.

If a student fails one or more first-year modules, he or she forfeits selection and must apply again for selection for the first year of study.

Modules/subjects with practical and clinical training credits cannot be passed, unless all prescribed clinical hours and practical skills have been completed to the satisfaction of the head of department.

- A student must pass in all the prescribed core modules of a specific year of study to be promoted to a subsequent year of study. A student can only be promoted to a subsequent year of study if the student has not failed more than two fundamental modules of seven weeks each per semester or one module of 14 weeks per semester. A non-negotiable prerequisite for admission to the final year of study is pass marks in all the core and fundamental modules of the preceding years of study. Refer to the programmes for fundamental modules in each discipline.
- A pass mark refers to a final mark of at least 50%.
- Modules with practical and clinical training credits cannot be passed unless all the prescribed clinical hours and practical activities have been completed to the satisfaction of the head of department.
- The Chairperson of the examination moderating meeting may, after assessing the student’s total profile, grant special approval to be promoted to the next year of study.
- The exception is the Department of Human Nutrition, where the regulations as applicable in the Faculty of Natural and Agricultural Sciences regarding the modules presented by that Faculty, are relevant.
- Modules can only be taken in advance or repeated if it can be accommodated in the existing examination

timetable.
- A student who must repeat a year of study may, with the approval of the Chairperson of the examination moderating meeting and the head of department concerned, be allowed to take fundamental modules of the subsequent year, if he/she complies with all the prerequisites for the relevant modules. No adjustment to existing timetables will be allowed.

The following fundamental modules are relevant:

- Department of Nursing Science: SLK 110, 120; FSG 251,252
- Department of Physiotherapy: SOH 254; FSG 251, 252, 261, 262; SLK 210, ANP 210; GMB 252, 253, 254; FAR 381, 382
- Department of Occupational Therapy: ZUL 110; SEP 110; SLK 210, 220; FSG 251, 252, 261, 262; ANP 210; RPD 481, GNK 286
- Department of Human Nutrition: FLG 211, 212, 221, 222; BCM 251, 252, 261, 262; FAR 381, 382, VDS 322; VDB 321
- Department of Radiography: FSG 251, 252, 262; GNK 286; ANP 210.

Pass with distinction

The degree is conferred with distinction on a student who has obtained at least 75% in (FTP 400) Physiotherapy 400 and (FTP 402) Physiotherapy clinical practice 402 and a joint average of at least 75% in (RHC 400) Research in healthcare sciences 400 and (IHL 414, 424) Integrated healthcare leadership 414, 424.

Curriculum: Year 1

Minimum credits: 127

Fundamental modules

Introduction to anatomy 151 (ANA 151)

Module credits	6.00
Prerequisites	No prerequisites.
Contact time	1 practical per week, 3 lectures per week, 1 discussion class per week
Language of tuition	English
Academic organisation	Anatomy
Period of presentation	Quarter 1

Module content

A systematic approach to Anatomy, including general terminology, embryology and osteology, with the use of wet specimens. Introductory histology includes cytology, the nucleus and cell division, epithelial tissue, general connective tissue, cartilage and bone.

Anatomy of the limbs 152 (ANA 152)

Module credits	6.00
Prerequisites	No prerequisites.
Contact time	1 practical per week, 3 lectures per week, 1 discussion class per week
Language of tuition	English
Academic organisation	Anatomy
Period of presentation	Quarter 2

Module content

Anatomy of the appendicular skeleton
A systematic approach to the Anatomy of the muscles, blood vessels, nerve supply, lymph drainage and joints of the upper and lower limbs, as well as surface anatomy, with the use of wet specimens. Introductory histology includes muscle tissue, nerve tissue, and blood and haemopoietic tissue.

Anatomy of the torso 161 (ANA 161)

Module credits	6.00
Prerequisites	No prerequisites.
Contact time	1 discussion class per week, 3 lectures per week, 1 practical per week
Language of tuition	English
Academic organisation	Anatomy
Period of presentation	Quarter 3

Module content

A systematic approach to the anatomy of the thorax and its contents, the abdomen and its contents and the pelvis and its contents (organs, vascular systems, nerve supply, lymph drainage, muscles and joints), as well as surface anatomy, with the use of wet specimens. Introductory histology includes the histology of the lungs, liver and kidneys.

Anatomy of the head and neck 162 (ANA 162)

Module credits	6.00
Prerequisites	No prerequisites.
Contact time	3 lectures per week, 1 practical per week, 1 discussion class per week
Language of tuition	English
Academic organisation	Anatomy
Period of presentation	Quarter 4

Module content

Anatomy of the head and neck, and neuroanatomy
A systematic approach to the anatomy of the head and neck regions, the senses and the central and peripheral nervous system (cranial nerves, autonomic nervous system), as well as surface anatomy, with the use of wet specimens.

Chemistry 151 (CMY 151)

Module credits	16.00
Service modules	Faculty of Health Sciences
Prerequisites	Refer to Regulation 1.2
Contact time	1 practical per week, 4 lectures per week
Language of tuition	Both Afr and Eng
Academic organisation	Chemistry
Period of presentation	Semester 1

Module content

Theory: Introduction to general chemistry: Measurement in chemistry, matter and energy, atomic theory and the periodic table, chemical compounds and chemical bonds; quantitative relationships in chemical reactions, states of matter and the kinetic theory; solutions and colloids, acids, bases and ionic compounds, chemical equilibria. Introduction to organic chemistry: Chemical bonding in organic compounds, nature, physical properties and nomenclature of simple organic molecules, isomerism, chemical properties of alkanes and cycloalkanes, alkenes, alcohols, aldehydes and ketones, carboxylic acids and esters, amines and amides, carbohydrates, proteins, and lipids.
Practicals.

Physiology 161 (FSG 161)

Module credits	12.00

Prerequisites	No prerequisites.
Contact time	1 practical per week, 4 lectures per week
Language of tuition	Double Medium
Academic organisation	Physiology
Period of presentation	Quarter 3

Module content

Introduction and neurophysiology: homeostasis, eytology and histology, muscles and neurophysiology, cerebrospinal fluid, the special senses.

Physiology 162 (FSG 162)

Module credits	12.00
Prerequisites	No prerequisites.
Contact time	4 lectures per week, 1 practical per week
Language of tuition	Double Medium
Academic organisation	Physiology
Period of presentation	Quarter 4

Module content

Circulatory physiology: Body fluids, haematology, body defence mechanisms, cardio-vascular physiology, lymphatic system.

Physics for biology students 131 (PHY 131)

Module credits	16.00
Service modules	Faculty of Education Faculty of Health Sciences Faculty of Veterinary Science
Prerequisites	Refer to Regulation 1.2: A candidate must have passed Mathematics with at least 50% in the Grade 12 examination
Contact time	1 practical per week, 4 lectures per week, 1 discussion class per week
Language of tuition	Both Afr and Eng
Academic organisation	Physics
Period of presentation	Semester 1

Module content

Units, vectors, one dimensional kinematics, dynamics, work, equilibrium, sound, liquids, heat, thermodynamic processes, electric potential and capacitance, direct current and alternating current, optics, modern physics, radio activity.

Sepedi for beginners 110 (SEP 110)

Module credits	12.00
Service modules	Faculty of Education Faculty of Health Sciences
Prerequisites	No prerequisites.
Contact time	1 discussion class per week, 2 lectures per week
Language of tuition	Double Medium
Academic organisation	African Languages
Period of presentation	Semester 1

Module content

*For absolute beginners only.
*Only students from the School of Healthcare Sciences may take this module during semester 2. All other students must take this module during semester 1. Also note that students from the School of Healthcare Sciences, who already possess the language skills taught in this module, may write an exemption examination. The acquisition of basic Sepedi communicative skills with emphasis on everyday expressions and suitable high frequency vocabulary, within specific social situations.

Psychology 110 (SLK 110)

Module credits	12.00
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Health Sciences Faculty of Natural and Agricultural Sciences
Prerequisites	No prerequisites.
Contact time	2 discussion classes per week, 2 lectures per week
Language of tuition	Both Afr and Eng
Academic organisation	Psychology
Period of presentation	Semester 1

Module content

This module is a general orientation to Psychology. An introduction is given to various theoretical approaches in Psychology, and the development of Psychology as a science is discussed. Selected themes from everyday life are explored and integrated with psychological principles. This module focuses on major personality theories. An introduction is given to various paradigmatic approaches in Psychology.

isiZulu for beginners 110 (ZUL 110)

Module credits	12.00
Service modules	Faculty of Education Faculty of Health Sciences
Prerequisites	No prerequisites.

Contact time	1 discussion class per week, 2 lectures per week
Language of tuition	Double Medium
Academic organisation	African Languages
Period of presentation	Semester 1 and Semester 2

Module content

*For absolute beginners only
*Only students from the School of Healthcare Sciences may take this module during semester 2. All other students must take this module during semester 1. Students from the School of Healthcare Sciences, who already possess the language skills taught in this module, may write an exemption examination.
The acquisition of basic isiZulu communicative skills with emphasis on everyday expressions and suitable high frequency vocabulary, within specific situations.

Academic information management 101 (AIM 101)

Module credits	6.00
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Economic and Management Sciences Faculty of Humanities Faculty of Law Faculty of Health Sciences Faculty of Natural and Agricultural Sciences Faculty of Theology Faculty of Veterinary Science
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Both Afr and Eng
Academic organisation	Information Science
Period of presentation	Semester 1

Module content

Find, evaluate, process, manage and present information resources for academic purposes using appropriate technology. Apply effective search strategies in different technological environments. Demonstrate the ethical and fair use of information resources. Integrate 21st-century communications into the management of academic information.

Academic English for Health Sciences (BCur, BDietetics, BOH, BOccTher, BRad and BPhysT) 121 (ELH 121)

Module credits	6.00
Service modules	Faculty of Health Sciences
Prerequisites	No prerequisites.
Contact time	1 discussion class per week, 2 lectures per week

Language of tuition	English
Academic organisation	Unit for Academic Literacy
Period of presentation	Semester 1

Module content

Academic reading as well as academic writing and presentation skills, based on the approach followed in the healthcare sciences. **Presented to students in Health Sciences only.*

Academic English for Health Sciences122 (ELH 122)

Module credits	6.00
Service modules	Faculty of Health Sciences
Prerequisites	No prerequisites.
Contact time	2 lectures per week, 1 discussion class per week
Language of tuition	English
Academic organisation	Unit for Academic Literacy
Period of presentation	Semester 2

Module content

Study of specific language skills required in the Health Care Sciences, including interviewing and report-writing skills. *Presented to students in Health Sciences only. (BCur, BDietetics, BOH, BOT, Brad, BPhysT)*

Academic orientation 110 (UPO 110)

Module credits	0.00
Language of tuition	Double Medium
Academic organisation	Health Sciences Dean's Office
Period of presentation	Year

Integrated healthcare leadership 120 (IHL 120)

Module credits	8.00
Contact time	2 practicals per week, 2 lectures per week
Language of tuition	English
Academic organisation	Nursing Science
Period of presentation	Semester 2

Module content

Multidisciplinary team work. Healthcare systems and legislation. Determinants of health. Introduction to healthcare models (e.g. community-based care, family-centred care, etc.). Professionalism, Ethical principles. Management of diversity. NB: Only for School of Healthcare Sciences students.

Core modules

Physiotherapy 100 (FTP 100)

Module credits	15.00
Prerequisites	No prerequisites.
Contact time	Community Engagement, 4 practicals per week, 3 lectures per week, 1 web-based period per week
Language of tuition	Both Afr and Eng
Academic organisation	Physiotherapy
Period of presentation	Year

Module content

General introduction and orientation to physiotherapy, PBL skills and evidence-based approach to physiotherapy. Introduction to biomechanics, terminology, passive movements, measurement of the range of movement, clinical visits and patient-handling.
Kinetics: axis, planes, levers, effect of gravity on the human body.
Applied electro biomechanics: introduction to radiation, high-frequency, ultrasound, shortwave diathermy, laser, ultraviolet, infrared radiation.
Introduction to manual therapy: general introduction to massaging, evaluation of soft tissue, types applications and effects of massage techniques on various types of tissue, modalities application to the human body.
Human movement science: introduction to biomechanics, study of human movement, functional evaluation, muscle-testing, types of muscular activity, kinematics: analysis of movement, motor control and posture, characteristics of normal movement. Applied electrobiomechanics, introduction to medium frequency currents, Russian currents. Pulmonology.
Note: Physiotherapy is presented in a problem-based and integrated manner.

Curriculum: Year 2

Minimum credits: 168

Fundamental modules

Anatomical pathology 210 (ANP 210)

Module credits	10.00
Prerequisites	[PHY 131, CMY 151, FSG 161, FSG 162, FTP 100, ANA 152, ANA 162] or [FSG 251,FSG 252, FSG 261, FSG 262, AKU 200, ART 282, ART 284, RPD 200, ART 281, ART 283] or [RAN 280, RAW 281, RAW 282, RAW 283]
Contact time	1 seminar per week, 2 lectures per week
Language of tuition	Both Afr and Eng
Academic organisation	Anatomical Pathology
Period of presentation	Semester 1

Module content

General principles of pathology, including necroses, reversible cell damage, reparation and abnormalities of growth, circulation disturbances, acute and chronic infections, classification of the spreading of tumours and carcinogenesis. Directed course in systematic pathology, with specific reference to cardiovascular system, respiratory system, locomotor system and neurophathology.

Physiology 251 (FSG 251)

Module credits	6.00
Prerequisites	RAN 100, RFI 110, FSG 161, FSG 162, MTL 180, RAW 180, RAW 182
Contact time	4 lectures per week, 1 practical per week
Language of tuition	Double Medium
Academic organisation	Physiology
Period of presentation	Quarter 1

Module content

Structure, gas exchange and secretory functions of the lungs; build, excretory and non-urinary functions of the kidneys, acid-base balance, as well as the skin and body temperature control.
Practical work: lung functions/spirometry, kidney function tests – side-room urine examinations. Digestion. Metabolism. Pathophysiology.

Physiology 252 (FSG 252)

Module credits	6.00
Prerequisites	RAN 100,RFI 110,FSG 161,FSG 162,RAW 180,RAW 182,MTL 180,
Contact time	1 practical per week, 4 lectures per week
Language of tuition	Double Medium

Academic organisation	Physiology
Period of presentation	Quarter 2

Module content

Nutrition, digestion and metabolism, hormonal control of body functions and the reproductive systems. Practical work: endocrine system, reproductive system, pregnancy test.

Physiology 261 (FSG 261)

Module credits	6.00
Prerequisites	PHY 131, CMY 151, ANA 151, ANA 152, ANA 161, ANA 162, FSG 161, FSG 162, FTP 100
Contact time	2 lectures per week
Language of tuition	Double Medium
Academic organisation	Physiology
Period of presentation	Quarter 3

Module content

Special neuro and muscle physiology.

Physiology 262 (FSG 262)

Module credits	6.00
Prerequisites	RAN 100, RFI 110, FSG 161, FSG 162, RAW 180, RAW 182, MTL 180
Contact time	3 lectures per week
Language of tuition	Double Medium
Academic organisation	Physiology
Period of presentation	Quarter 4

Module content

Applied pathophysiology.

Medical microbiology 252 (GMB 252)

Module credits	6.00
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Both Afr and Eng
Academic organisation	Medical Microbiology
Period of presentation	Quarter 2

Module content

Infection, immunity and basic bacteriology.
Introduction and basic principles of infection, sterilisation and the immune system. Bacterial cells and the classification of disease-causing bacteria.

Medical microbiology 253 (GMB 253)

Module credits	6.00
Prerequisites	FLG 211 GS, FLG 212 GS
Contact time	2 lectures per week
Language of tuition	Both Afr and Eng
Academic organisation	Medical Microbiology
Period of presentation	Quarter 3

Module content

Systemic bacteriology.
Commonly occurring bacterial infections and the bacteria that cause them.

Medical microbiology 254 (GMB 254)

Module credits	6.00
Prerequisites	FLG 211 GS, FLG 212 GS
Contact time	2 lectures per week
Language of tuition	Both Afr and Eng
Academic organisation	Medical Microbiology
Period of presentation	Quarter 4

Module content

Fungi, parasitology and virology.
Commonly occurring fungal, viral and parasite infections and infestations, and the organisms that cause them.

Basic emergency care 286 (GNK 286)

Module credits	5.00
Prerequisites	CMY 151,FIL 155,MGW 112,MLB 111,PHY 131,MTL 180,GNK 120,BOK 121,GNK 127,GNK 128,CIL 111 and 121 or AIM 101 or AIM 111 and 121 EOT 110 and 120 or ELH 111 and 112
Contact time	8 practicals per week, 1 other contact session per week
Language of tuition	Both Afr and Eng
Academic organisation	Health Sciences Dean's Office
Period of presentation	Semester 1 and/or 2

Module content
Theory and practical training in basic emergency care.

Psychology 210 (SLK 210)

Module credits	20.00
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Health Sciences Faculty of Natural and Agricultural Sciences
Prerequisites	SLK 110, SLK 120(GS)
Contact time	2 discussion classes per week, 2 lectures per week
Language of tuition	Both Afr and Eng
Academic organisation	Psychology
Period of presentation	Semester 1

Module content

In this module human development from conception through adolescence to adulthood is discussed with reference to various psychological theories. Incorporated are the developmental changes related to cognitive, physical, emotional and social functioning of the individual and the context of work in adulthood. Traditional and contemporary theories of human development explaining and describing these stages are studied in order to address the key issues related to both childhood and adulthood.

Core modules

Physiotherapy 203 (FTP 203)

Module credits	45.00
Prerequisites	No prerequisites.
Contact time	1 web-based period per week, Community Engagement, 8 lectures per week, 4 practicals per week
Language of tuition	Double Medium
Academic organisation	Physiotherapy
Period of presentation	Year

Module content

The problem-based learning approach to the principles of human movement science manual therapy for soft tissue and electro-biomechanics. This approach is applied by using selected clinical conditions of the thorax, pelvis and hip-joint over the total life spectrum.
The problem-based approach to the treatment of selected clinical conditions of the knee, ankle and foot complex, the pectoral girdle and gleno-humeral joint, the elbow, forearm and wrist and hand complex over the total life-cycle, through the application of the principles of human movement science manual therapy for soft tissue and electro-biomechanic.

Physiotherapy clinical practice 220 (FTP 220)

Module credits	13.00
Prerequisites	PHY 131,CMY 151,FSG 161,FSG 162,ANA 151,FTP 100,ANA 152,SLK 110,ANA 161,ANA 162,CIL 111 and 121 or AIM 101 or AIM 111 and 121 or ELH 121 and 122
Contact time	1 lecture per week, Community Engagement, 1 other contact session per week
Language of tuition	Both Afr and Eng
Academic organisation	Physiotherapy
Period of presentation	Semester 2

Module content

Study of the epidemiology, prevalence and incidence of selected clinical conditions. Students acquire clinical experience through the treatment of selected clinical conditions in various health care institutions, practices and clinics.
A theoretical and clinical examination will take place after conclusion of the module.

Integrated healthcare leadership 210 (IHL 210)

Module credits	8.00
Prerequisites	IHL 112/2/3/4, IHL 120
Contact time	2 lectures per week, 2 practicals per week
Language of tuition	English
Academic organisation	Nursing Science
Period of presentation	Semester 1

Module content

Principles of project management. Communication principles. Health promotion and education, advocacy and literacy. Counselling for health behaviour change. NB: Only for School of Healthcare Sciences students.

Curriculum: Year 3

Minimum credits: 172

Fundamental modules

Pharmacology 381 (FAR 381)

Module credits	20.00
Service modules	Faculty of Natural and Agricultural Sciences
Prerequisites	FLG 211, FLG 212, FLG 221, FLG 222 GS
Contact time	2 lectures per week
Language of tuition	Double Medium
Academic organisation	Pharmacology
Period of presentation	Semester 1

Module content

Introduction, receptors, antagonism, kinetic principles, drugs that impact upon the autonomic and central nervous system, pharmacotherapy of hypertension, angina pectoris, myocardial infarction, heart failure, arrhythmias, and epilepsy. Diuretics, glucocorticosteroids, local anaesthetics, anaesthetic drugs, analgesics, iron and vitamins, oncostatics and immuno suppressants.

Pharmacology 382 (FAR 382)

Module credits	15.00
Service modules	Faculty of Natural and Agricultural Sciences
Prerequisites	FAR 381, FLG 211, FLG 212, FLG 221, FLG 222 GS
Contact time	2 lectures per week
Language of tuition	Double Medium
Academic organisation	Pharmacology
Period of presentation	Semester 2

Module content

Hormones, drugs that act on the histaminergic, serotonergic, and dopaminergic receptors. Pharmacotherapy of diabetes mellitus, schizophrenia, depression, obesity, anxiety, insomnia, gastro-intestinal diseases. Anticoagulants, antimicrobial drugs.

Research project 480 (RHC 480)

Module credits	16.00
Prerequisites	No prerequisites.
Language of tuition	Double Medium
Academic organisation	Physiotherapy

Period of presentation	Semester 1

Module content

Research in healthcare sciences:
- Understanding the importance of evidence-based clinical practice.
- Understanding the research process and general approaches to research.
- Knowledge of the methodologies commonly used in healthcare sciences.
- Reading and critiquing published research.
- Writing a literature review.
- Understanding and respecting research ethics and the criteria for good quality research.

Core modules

Physiotherapy 300 (FTP 300)

Module credits	25.00
Prerequisites	FSG 251,FSG 252,FSG 261,FSG 262,ANP 210,GMB 252,GMB 253,FTP 241,POL 251,FTP 231,
Contact time	3 practicals per week, 2 other contact sessions per week, 2 lectures per week, 3 web-based periods per week, 1 discussion class per week
Language of tuition	Both Afr and Eng
Academic organisation	Physiotherapy
Period of presentation	Year

Module content

Theory of comprehensive physiotherapeutic management (prevention, promotion, restoration, and rehabilitation) of notifiable, non-notifiable and infectious conditions.
Diseases of lifestyle, chronic disease, the impact of HIV on disability and on patients with trauma, mental health.
Impact of physical/economic/political/
psychosocial environment on health and well-being, health promotion and development and sports science.
Comprehensive physiotherapy management is applied to infant health, during childhood, adolescent health, women's and men's health, health and disease in middle age and geriatrics.

Physiotherapy clinical practice 301 (FTP 301)

Module credits	50.00
Prerequisites	FSG 251,FSG 252,FSG 261,FSG 262,ANP 210,GMB 252,GMB 253,FTP 231,FTP 241,POL 251
Contact time	2 web-based periods per week, 2 practicals per week, 3 lectures per week, 1 discussion class per week, Community Engagement
Language of tuition	Both Afr and Eng
Academic organisation	Physiotherapy
Period of presentation	Year

Module content

Comprehensive clinical management of patients with communicable and non-communicable diseases and conditions, patients with an impairment or disability as a result of the impact of physical/economic/political and psychosocial environment on health and well-being, health promotion, and development and sports science. Comprehensive clinical management is applied where relevant on infant health, during childhood, adolescence, in women's and men's health, and health and disease in middle age and geriatrics, diseases of lifestyle, chronic disease, impact of HIV on disability, victims of trauma, and/or a mental health condition.

Professional development and leadership 300 (POL 300)

Module credits	13.00
Prerequisites	FSG 251,FSG 252,FSG 261,FSG 262,ANP 210,GMB 252,GMB 253,FTP 231,FTP 241,POL 251
Language of tuition	Both Afr and Eng
Academic organisation	Physiotherapy
Period of presentation	Year

Module content

Evidence-based practice, ethics in physiotherapy practice, counselling skills, group dynamics, management of human behaviour, medico-legal documentation. Introduction to marketing, information management, principles of research in physiotherapy, single subject design. Problem-solving in a variety of health and healthcare situations.

Curriculum: Final year

Minimum credits: 157

Core modules

Physiotherapy 400 (FTP 400)

Module credits	20.00
Prerequisites	RHC 451, RHC 452, FAR 381, FAR 382, FTP 300, FTP 301, POL 300
Contact time	1 lecture per week, 1 discussion class per week, 2 practicals per week, 1 web-based period per week, Community Engagement
Language of tuition	Both Afr and Eng
Academic organisation	Physiotherapy
Period of presentation	Year

Module content

Advanced comprehensive physiotherapeutic management of communicable and non-communicable diseases and conditions. This includes diseases of lifestyle, chronic disease, impact of HIV on disability, victims of trauma, and mental health. Impact of physical/economic/political/psychosocial environment of health and well-being, health promotion and development, and sport science. The comprehensive physiotherapeutic management is applied to patients of all ages where relevant: in infant health, childhood, adolescent health, women's and men's health, health and disease in middle age and geriatrics and is based on the epidemiology of disease. The module includes 800 hours clinical experience in a variety of health care scenarios.
Examination period: October/November.

Physiotherapy research 401 (FTP 401)

Module credits	20.00
Prerequisites	RHC 451,RHC 452,FAR 382,FAR 381,FTP 300,FTP 301,POL 300
Language of tuition	Both Afr and Eng
Academic organisation	Physiotherapy
Period of presentation	Year

Module content

The theoretical and practical application of research principles in physiotherapy and submission of an article based on research.
Examination period: October/November.

Physiotherapy clinical practice 402 (FTP 402)

Module credits	88.00
Prerequisites	RHC 451, RHC 452, FAR 381, FAR 382, FTP 300, FTP 301, POL 300
Contact time	1 other contact session per week, 1 web-based period per week, 2 discussion classes per week, Community Engagement

Language of tuition	Both Afr and Eng
Academic organisation	Physiotherapy
Period of presentation	Year

Module content

Comprehensive clinical management of patients with communicable, non-communicable diseases and conditions, patients who have an impairment or disability due to the impact of physical/economic/political/psychosocial environment on health and well-being. Health promotion, and development and sport science. Comprehensive clinical management is applied where relevant to infant health, during childhood, adolescence, in women's health and men’s health, and health and disease in middle age and geriatrics, diseases of lifestyle, chronic disease, impact of HIV on disability, victims of trauma, and/or a mental health condition, addressing the determinants of health over the total life span. The module includes 800 hours clinical experience in a variety of health care scenarios. Examination period: October/November.

Professional development and leadership 400 (POL 400)

Module credits	19.00
Prerequisites	RHC 451,RHC 452,FAR 381,FAR 382,FTP 300,FTP 301,POL 300
Language of tuition	Both Afr and Eng
Academic organisation	Physiotherapy
Period of presentation	Year

Module content

Theoretical and practical handling of marketing, management models, financial management, presentation of a scientific paper, diversity in the workplace, continuing professional development, quality assurance, management human behaviour, private practice management, labour relations.
Examination period: October/November.

The information published here is subject to change and may be amended after the publication of this information. The General Regulations (G Regulations) apply to all faculties of the University of Pretoria. It is expected of students to familiarise themselves well with these regulations as well as with the information contained in the General Rules section. Ignorance concerning these regulations and rules will not be accepted as an excuse for any transgression.