Faculty of Health Sciences

2008

UNIVERSITY OF KWAZULU-NATAL

FACULTY OF HEALTH SCIENCES

in the College of Health Sciences
Westville Campus
Howard Campus

HANDBOOK FOR 2008

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FACULTY OF HEALTH SCIENCES

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The College of Health Sciences comprises two faculties: The Faculty of Health Sciences, based on the Westville and Howard College campuses, and the Nelson R Mandela School of Medicine, which has its campus in Umbilo Road, Durban. Each Faculty is in turn organised into a number of Schools, and each School into a number of Disciplines or Departments.

This handbook deals with the Faculty of Health Sciences. There is a separate handbook for the Nelson R Mandela School of Medicine.

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School of Audiology, Occupational Therapy and Speech-Language Pathology
Head of School
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Discipline of Audiology
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Senior Technician:
TBA

DEAN'S MESSAGE TO STUDENTS

Dear Students

Welcome to the Faculty of Health Sciences. We trust that you will enjoy your University career in a Faculty that is unequivocally committed to creating an enabling, nurturing and supportive academic environment and has instituted the following student support mechanisms, some in collaboration with other University offices, to ensure student success:

- Consultation Times
  Academic staff have consultation times for one-to-one tutoring/interaction with students. Please enquire about consultation times and use them as necessary during your time with us.
- Academic Development Programmes
  Each discipline has dedicated Academic Development Programme (ADP) Officers tasked with tutoring and/or monitoring student progress and referring students to the appropriate offices. It is your right and responsibility to access the support the AD office offers timeously. In certain instances individual students may be referred (by the Discipline) to the ADP officer for assistance.
- Mentorship Opportunities
  The Mentorship Office on the Westville campus trains and appoints senior student as mentors. These mentors are available for consultation as per the Mentorship Office programme. Mentors are senior students in your Discipline who have been through many of the experiences you are probably having, and can assist with much insight from a students' perspective.
- Time Table Support
  Each discipline has made available a dedicated timetable slot were all students are free and thus able to interact with academic staff, ADP officers and mentors. Please check the individual discipline timetables for this information and make use of that which is on offer in these slots.
- Student Counselling Centre
  The Student Counselling Centre on the Westville and Howard College campuses offer a range of services including life skills, exam preparation, note-taking. These services are free and available to students of al levels.

Students are requested to take cognisance of the following important rules in the handbook:

Please note that the complete General Academic Rules and Rules or Students can be found in the relevant University publication and on the UKZN Website.

HS13 (See GR16 and GR17) – Duly Performed Certification
The DP requirements for each module shall be published in the Faculty handbook and in any other manner deemed appropriate by the Faculty

FHEL3 Duly Performed requirements
Rules GR16 and GR17 shall apply. Specific Duly Performed (DP) requirements for any module shall be published in the Module Guidelines within the Hand Book entry for that Discipline, failing which, a Duly Performed (DP) certificate will be issued provided that the Continuous Assessment Mark (CAM) is greater that or equal to 40%.

HS20 (see GR 30) Academic exclusion
Rule GR30

(a) The Council may, with the approval of Senate, after each examination session exclude or refuse to renew or continue the registration of a student who has failed to meet the academic requirements for continued registration.
(b) The Senate may cancel the registration of a student in all or one or more of the modules for which the student is registered in a semester if, in the opinion of the Senate, the academic achievement of the student is such that the student may not at the end of the semester obtain credit in such module or modules.
(c) The Council may, with the approval of the Senate, refuse readmission to a student who fails to satisfy the minimum requirements for readmission.
(d) Subject to Rule GR31, students excluded or refused re-registration may not be readmitted to the University until they are able to demonstrate that they have achieved a level of competence satisfactory to the relevant Faculty and the Senate.

HS20 Academic Exclusion

(a) Except with the permission of Senate, a student who at any stage cannot propose a curriculum acceptable to the Senate which will lead to the completion of the qualification within the minimum prescribed period plus four semesters, shall be excluded from the University in terms of rule GR30.
(b) The Senate may suspend such exclusion for a defined period subject to attainment of certain specified goals.

HS21 (See GR 31) Academic exclusion – Right of Appeal
Students have the right to appeal against Academic exclusion in terms of Rule GR30.

(a) Such appeal shall be lodged in the Faculty of registration, in the prescribed manner, within ten (1)) University working days of the release of the results, or notification of the exclusion.
(b) The process for consideration of such an appeal shall be approved by the Senate.

GR23 Special examinations

(a) A student who has not been able to attempt or complete the original final examination by a reason of illness or any other reason deemed sufficient by Senate, may on application be granted permission to sit a special examination, normally during the next supplementary examination session.
(b) An application for special examination shall be made on the prescribed form, accompanied by all relevant documentation, and lodged in the relevant Faculty office within 5 working days of the date of the examination concerned.
(c) If the application for a special examination is approved, the examination result, if any from the original examination shall be regarded as null and void. If such an application is not approved, the original examination result shall stand.

HS23 Ethical approval

No experimental work or collection of data shall commence in any research project in the College involving human or animal subjects, that has not received the approval of the Senate as complying with the University guidelines for ethical research. Where such a research project involves work at an institution or institutions other than the University, the candidate shall not commence such work before proof of ethical approval from the other institution or institutions concerned has been submitted.

HS22 Unacceptable Behaviour
Students who are required by their curricula to attend clinics and other facilities, including those that are external to the College or University, shall comply with the Codes of dress and behaviour of those clinics and other facilities. Infringements of these cades shall be regarded as infringements of university rules of conduct.

Please take time to familiarize yourself with the University, Faculty, School and Discipline rules. If you are unsure of anything please ask for assistance from the Faculty Office, or Discipline staff.

Very important exams results notice:

The onus is on you, the student, to access your examination results immediately after their release . Results are available from:

1. The official printed result sheet sent to your registered address
2. Campus based Notice Boards
3. The Internet (via Stuent Central)
4. The phone service (082 236 3333 or 082 236 4444)
5. Via SMS from number 34763 – follow instructions below.

To initiate the SMS facility
All that is required is for the student to SMS (text) the characters "UKZN" (in either upper or lower case), followed by their student number, and then the letter "r" (for results) or "b" (for student fee account balance) to the number **34763.**

For example, the message for exam results for student number 123456789 should read as follows: **ukzn123456789r**
Similarly the message for a fee balance enquiry for the same student should read as follows: **ukzn123456789b.**

The reply received
The reply for exam results will then provide the course code, the mark, and a description of the result. In some cases, depending on outstanding fees, supplementary exam decisions etc. the resultant message could be as long as four messages, e.g.

Results for Student 123456789 Year 2006 Month 11 : LLB301S : Results withheld-financial reasons-supplementary exam granted;
LLB307S : Results withheld-financial reasons-supplementary exam granted; PSYC201 : Results withheld-financial reasons;
PSYC302 : Results withheld-financial reasons; PSYC305 : Results withheld-financial reasons;
PSYC334 : Results withheld-financial reasons-supplementary exam granted;

In the case of fee balances the reply will read as follows:
For students with a debit balance: *Student 123456789 Balance Outstanding = Rnn.nn*
For students with a zero balance: *Student 123456789 No amount owing*
For students with a credit balance: Student *123456789 Balance = Rnn.nn Credit*

Costs

The cost for the provision of this service has been fixed at a market related fee of **R2,00** per SMS. This charge to the initiator (the student) will also cover the cost of the reply irrespective of message size (i.e. number of messages).

Special Events in the Faculty and University

The Faculty hosts, and supports a number of very special events during the year, and students in the faculty are encouraged to attend and participate as requested and applicable.

- Graduation
  Graduation normally takes place in April of every year, and provides us with an opportunity to welcome back our new graduates and formally award their degrees to them.
- Pfizer College of Health Sciences Young Scientists Research Symposium
  This prestigious day, to be hosted in October 2008, will see our best Honours level researchers presenting their research together with 'colleagues' from other Universities in South Africa. This event, to be hosted as a National event for the first time in 2008, has been made possible through generous sponsorship from Pfizer South Africa. It is a first for the country also, and the College of Health Sciences at UKZN is very proud of, and excited by this initiative.
- Oath taking and Awards Day
  This event is scheduled for after the November exams every year. At this event, all graduates in the Faculty take their respective Discipline Oaths, and prizes are awarded to students who qualify.

We hope that your time with us will be exciting, challenging and rewarding!

SESSIONAL DATES – 2008

HOWARD COLLEGE, PIETERMARITZBURG AND WESTVILLE CAMPUSES

UNIVERSITY OF KWAZULU-NATAL

FIRST SEMESTER: Monday, 11 February – Saturday, 14 June

WINTER VACATION: Monday, 16 June – Sunday, 27 July

SECOND SEMESTER: Monday, 28 July – Saturday, 22 November

PRE-SEMESTER:

	Tues, 01 – Fri, 04 Jan	Wed, 02 Jan	University Offices open
	Mon, 07 – Fri, 11 Jan	Tues, 08 Jan	Deadline for submission of Exclusion Appeals to Faculty Offices (for November 2007 examinations)
		Thurs, 10 – Thurs, 17 Jan	Supplementary Exams
	Mon, 14 – Fri,18 Jan	Mon, 14 Jan – Fri, 18 Jan	FEAComm meetings
	Mon, 21 – Fri, 25 Jan	Thurs, 24 Jan	Supp Exam marks to be captured
	Mon, 28 Jan – Fri, 01 Feb	Mon, 28 Jan – Sat, 02 Feb	Orientation (HC, PMB, WV)
		Wed, 30 Jan	Arrival: International students
		Thurs, 31 Jan	Release of Supp results
		Thurs, 31 Jan – Fri, 01 Feb	Orientation: International students
	Mon, 04 – Fri, 08 Feb	Mon, 04 Feb – Sat, 09 Feb	Registration (HC, PMB, WV)

SEMESTER 1:

1	Mon, 11 – Fri, 15 Feb	Mon, 11 Feb	Lectures commence
		Thurs, 14 Feb	Applications for re-marks to Faculty Offices
			Final date for registration (1st semester & Year registrations)
2	Mon, 18 – Fri, 22 Feb	Fri, 22 Feb	Final date for curriculum changes
			Final date – Applications for extended DP's
3	Mon, 25 – Fri, 29 Feb		
4	Mon, 03 – Fri, 07 Mar		
5	Mon, 10 – Fri, 14 Mar	Fri, 14 Mar	Final day for capturing of graduation decisions onto the computer system (Undergraduate Studies)

6	Mon, 17 – Fri, 21 Mar	Tues, 18 Mar	Follow Friday timetable
		Wed, 19 Mar	Lectures cease
		Thurs, 20 – Fri, 28 Mar	STUDENT EASTER VACATION
		Fri, 21 Mar	*Good Friday (Holiday)*
			Human Rights Day (Public Holiday)
	Mon 24 – Fri, 28 Mar	*Mon, 24 Mar*	*Family Day*
		Fri, 28 Mar	Final day for capturing of graduation decisions onto the computer system (Postgraduate Studies)
7	Mon, 31 – Fri, 04 Apr	Mon, 31 Mar	Lectures resume
			Final day for submission of graduation programmes to Central Graduation Office
8	Mon 07 – Fri, 11 Apr	Fri, 11 Apr	Final day for withdrawal from a module
			(1st semester & Year registrations)
			Final day for withdrawal from the University
			(1st semester & Year registrations)
9	Mon, 14 - Fri, 18 Apr	Mon, 14 – Tues, 15 Apr	Graduation Ceremonies (PMB)
		Wed, 16 Sat, 19 Apr	Graduation Ceremonies (WV)
10	Mon, 21 – Fri, 25 Apr	Mon, 21 Apr – Thurs, 24 Apr	Graduation Ceremonies (WV)
11	Mon, 28 Apr – Fri, 02 May	*Mon, 28 Apr*	*in lieu* of Sunday*(Freedom Day)*
		Wed, 30 Apr	Follow Thursday timetable
		Thurs, 1 May	*Workers Day (Public Holiday)*
12	Mon, 05 – Fri, 09 May		
13	Mon, 12 – Fri, 16 May		
14	Mon, 19 – Fri, 23 May	Wed, 21 May	DP Refusals published and sent to Faculty Offices
		Thurs, 22 May	Lectures cease
	Fri, 23 May – Fri, 30 May	Mon, 26 May	Deadline for submission of DP Appeals to Faculty Offices
			Study period
		Fri, 23 - Thurs, 29 May	

15	Mon, 26 – Fri, 30 May	Fri, 30 May	Exams commence (incl. Sat.)
16	Mon, 02 – Sat, 07 Jun		Exam week
17	Mon, 09 – Sat, 14 Jun	Sat, 14 Jun	Exams and semester end.
18	Mon, 16 – Fri, 20 Jun	*Mon, 16 Jun*	*Youth Day (Public Holiday)*

SEMESTER 1

Teaching days: Monday 13, Tuesday 13, Wednesday 13, Thursday 13, Friday 13: **65 days**

Study leave: 7days; Examinations: 14 days

MID-YEAR BREAK:

	Mon, 16 Jun – Sun, 27 Jul		STUDENT WINTER VACATION
	Mon, 23 – Fri, 27 Jun	Tues, 24 Jun	June Exam results to be captured (HC, PMB, WV)
	Mon, 30 Jun – Fri, 04 Jul	Fri, 04 Jul	Release of Exam results
	Mon, 7 – Fri, 11 Jul		
	Mon, 14 – Fri, 18 Jul	Tues, 15 – Tues, 22 Jul Fri, 18 Jul	1st-semester Supplementary Exams Deadline for submission of Exclusion Appeals
	Mon, 21 – Fri, 25 Jul	Thurs, 24 Jul – Fri, 25 Jul	Registration (2nd semester)

SEMESTER 2:

1	Mon, 28 Jul – Fri, 01 Aug	Mon, 28 Jul Tues 29 Jul Wed, 30 Jul	Lectures commence Supplementary Exam results to be captured Final date for registration (2nd-semester)
2	Mon, 04 – Fri, 08 Aug	Tues, 05 Aug Fri, 08 Aug	Release of Supp results Final date for curriculum changes Final date - Applications for extended DP's
3	Fri, 08 – Sat, 09 Aug	*Sat, 09 Aug*	*National Women's Day (Public Holiday)*
4	Mon, 11 – Fri, 15 Aug		
5	Mon, 18 – Fri, 22 Aug	Tues 19 Aug	Applications for re-marks to Faculty Offices
6	Mon, 25 - Fri, 29 Aug		
7	Mon, 01 – Fri, 05 Sept	Fri, 05 Sept	Final date for withdrawal from a module (2nd-semester registrations) Final date for withdrawal from the University (2nd-semester registrations)

8	Mon, 08 – Fri, 12 Sept		
9	Mon, 15 – Fri, 19 Sept Fri, 19 – Fri, 26 Sept	Fri, 19 Sept Sat, 20 Sept – Sun, 28 Sept *Wed, 24 Sept*	Lectures cease STUDENT MID-TERM BREAK *Heritage Day (Public Holiday)*
10	Mon, 29 Sept – Fri, 03 Oct	Mon, 29 Sept *Tues, 30 Sept* *Thurs, 02 Oct*	Lectures resume *Rosh Hashanah (day of condoned absence)* *Eid-ul-Fitr (day of condoned absence)*
12	Mon, 06 – Fri, 10 Oct	*Thurs, 09 Oct*	*Yom Kippur (day of condoned absence)*
13	Mon, 13 – Fri, 17 Oct		
14	Mon, 20 – Fri, 24 Oct		Institutional Audit
15	Mon, 27 Oct – Fri, 31 Oct	*Tues, 28 Oct* Thurs, 30 Oct Fri, 31 Oct	*Diwali/Deepavali (day of condoned absence)* DP Refusals published and sent to Faculty Office Lectures cease
16	Sat, 01 – Fri, 07 Nov	Tues, 04 Nov Sat, 01 Nov – Thurs, 06 Nov Fri, 07 Nov	Deadline for submission of DP Appeals to Faculty Office Study period Exams commence (incl. Saturdays)
17	Mon, 10 – Fri, 14 Nov		Exam week
18	Mon, 17 – Sat, 22 Nov	Sat, 22 Nov	Exams and academic year end.

YEAR-END BREAK:

	Mon, 24 – Fri, 28 Nov		
	Mon, 01 – Fri, 05 Dec	Tues, 02 Dec	Exam marks to be captured
	Mon, 08 – Fri, 12 Dec	*Tues, 09 Dec* Fri, 12 Dec	*Eid-ul-Adha* Release of results
	Mon, 15 – Fri, 19 Dec	Mon, 15 Dec *Tues, 16 Dec*	**Last day for submission of theses/dissertations to the Faculty Offices for Graduation in April 2009** *Day of Reconciliation (Public Holiday)*
	Mon, 22 – Fri, 26 Dec	Wed, 24 Dec	University Offices closed

SEMESTER 2:

Teaching days: Monday 13 Tuesday 13, Wednesday 13, Thursday 13, Friday 13: **65 days**

Study leave: 6 days; Examinations: 14 days

(Supplementary Exams	Thursday, 10 January – Thursday, 17 January)
Registration	Monday, 04 February – Saturday, 09 February
Term 1	Monday, 11 February – Wednesday, 19 March
Easter Vacation	Thursday, 20 March – Sunday, 30 March
Term 2	Monday, 31 Mar – Thursday, 22 May
Study period	Friday, 23 May – Thursday, 29, May
1st-Semester Exams	Friday, 30 May - Saturday, 14 June
July Vacation	Monday, 16 June – Sunday, 27 July
(Supplementary Exams	Tuesday, 15 July – Tuesday, 22 July
Term 3	Monday, 28 July – Friday, 19 September
Mid term Break	Saturday, 20 September – Saturday, 28 September
Term 4	Monday, 29 September – Friday, 31 October
Study period	Saturday, 01 November – Thursday, 06 November
2nd-Semester Exams	Thursday, 06 November - Saturday, 22 November

PUBLIC HOLIDAYS

DATE	DAY	HOLIDAY
01-Jan	Tuesday	New Year's Day
21-Mar	Friday	Good Friday **AND** Human Rights Day
24-Mar	Monday	Family Day
28-Apr	Monday	*in lieu* of Sunday
01-May	Thursday	Worker Day
16-Jun	Monday	Youth Day
09-Aug	Saturday	National Women's Day
24-Sep	Wednesday	Heritage Day
16-Dec	Tuesday	Day of Reconciliation
25-Dec	Thursday	Christmas Day
26-Dec	Friday	Day of Goodwill

RELIGIOUS HOLIDAYS and DAYS OF CONDONED ABSENCE

DATE	DAY	HOLY DAY
30-Sep	Wednesday	Rosh Hashanah *(commences at nightfall the previous day)*
02-Oct	Thursday	Eid-ul-Fitr *(fasting commences on 02 September)*
09-Oct	Thursday	Yom Kippur *(commences at nightfall the previous day)*
28-Oct	Tuesday	Diwali/Deepavali
09-Dec	Tuesday	Eid-ul-Adha

GENERAL ACADEMIC RULES FOR DEGREES, DIPLOMAS AND CERTIFICATES

(These Rules have been made by the Senate and approved by the Council in terms of the Higher Education Act (Act No. 101 of 1997), as amended.)

PREAMBLE:

(a) The Council and/or the Senate may from time to time amend, alter or delete any rule, whether a General Rule or a rule relating to a specific module or qualification.

(b) Where applicable, the interpretation of these Rules is informed by the Definitions of Terms preceding them.

(c) The provisions of these Rules, as applied in particular faculties, may be restricted in circumstances provided for in the rules of those faculties as approved under Rule GR4.

(d) Except as otherwise stated or prescribed by the Senate and the Council, Rules GR1 to GR33 shall be applicable to every student of the University of KwaZulu-Natal (hereinafter referred to as "the University").

DEFINITIONS OF TERMS

"**academic exclusion**" means termination of a student's registration on academic grounds, resulting in exclusion from the university.

"**admission**" means the act by which the university admits person to study, after acceptance by an applicant of an offer of a place at the University.

"**ancillary module**" means a module required as a corequisite or prerequisite to a proposed module. All such modules must have been passed before the relevant qualification may be awarded. **Note**: if module A is an ancillary for module B and B is an ancillary for C, then A is necessarily an ancillary for C.

"**assessment**" means the evaluation and grading of work, supervised or unsupervised, carried out by a student in satisfying the requirements of a module.

"**corequisite module**" means a module for which a student must register in the same semester as the proposed module, unless the ancillary module has already been passed or attempted with satisfaction of the DP requirements.

"**Council**" means the Council of the University of KwaZulu-Natal.

"**curriculum**" means the combination of modules which together comprise the programme of study leading to a qualification. An individual student's curriculum refers to the specific selection of modules within the broad framework of the curriculum prescribed for a qualification, which enables the student to meet the requirements for the qualification.

"**dissertation**" means a work involving personal research, that is (a) capable of being recorded in any form or medium, and (b) capable of being evaluated, that is submitted for a degree and satisfies degree specific requirements (for doctoral degrees, see "thesis").

"**duly performed (DP) requirements**" means those faculty-determined requirements for a module which must be met to permit a student to be eligible for final assessment in that module.

"**examination**" means a formal assessment, conducted within an officially designated examination session, usually invigilated, and bound by time constraints.

"**exit-level module**" means a module at the highest level required by the National Qualifications Framework (NQF) for a qualification.

"**external examination**" means examination by a person, external to the university, who has not been involved with teaching at the University during the previous three (3) years.

"**independent moderation**" means examination by a person, internal or external to the university, who has not been involved with the teaching of the relevant module in that semester.

"**internal examination**" means examination by a person or persons involved with the teaching of the relevant module in that semester or, in the case of postgraduate qualifications, is a member of the University staff other than the supervisor(s).

"**module**" means any separate course of study for which credits may be obtained.

"**qualification**" means a degree, diploma or certificate.

"**prerequisite module**" means a module which must have been passed, with at least the minimum mark required by the relevant faculty, before registration for the proposed module is permitted.

"**prerequisite requirement**" means that requirement, whether a prerequisite module, a specified mark in a module or any other condition, which must have been met before registration for the proposed module is permitted.

"**project**" means a substantial assignment, whether comprising a single module or part of a module, and which requires research or equivalent independent work by a student.

"**registered student**" means a student who is registered to study in one or more modules offered by the University. Such registration will lapse on the date of the following registration session or earlier should the student cease to be an admitted student.
"**registration**" means completion by a student, and acceptance by the University, of a registration form, and compliance with such other conditions as are required for entitlement to a current student card.

"**Senate**" means the Senate of the University of KwaZulu-Natal.

"**special examination**" means an examination awarded by the Senate to a student who has not been able to attempt or complete the original examination by reason of illness or any other reason deemed sufficient by the Senate.

"**student**" means a person who has been admitted to the University for the purpose of studying or who has registered for a qualification. A student remains a student until such time as that person graduates or otherwise completes studies, or withdraws from the University, or fails to attend or register in any semester, or is excluded and all appeal processes for readmission have been exhausted."

"**supplementary examination**" means an examination awarded by the Senate to a student, based on the student's performance in the original module assessment.

"**suspended registration**" means an agreement by which the University holds a student's registration in abeyance for a specified period of time.

"**tertiary institution**" means any institution that provides post-school education on a full-time, part-time or distance basis.

"**thesis**" means a work involving personal research, that is (a) capable of being recorded in any form or medium, and (b) capable of being evaluated, that is submitted for a doctoral degree and satisfies the requirements specified in the relevant rules.

"**the University**" means the University of KwaZulu-Natal.

GENERAL RULES

GR1 Changes in rules

The University may revise or add to its rules from time to time, and any such alteration or addition shall become binding upon the date of publication or upon such date as may be specified by the Council and the Senate, provided that no change in rules shall be interpreted so as to operate retrospectively to the prejudice of any currently registered student.

GR2 Degrees, diplomas and certificates

The University may confer or award such degrees, diplomas and certificates as approved by the Senate and the Council.

Note:

(a) The list of degrees, diplomas and certificates is available from the Registrar's Office on request.

(b) Rules for specific qualifications will be found in the relevant Faculty handbooks.

GR3 Approval of curricula

The Council, upon the approval of the Senate after consultation with the relevant Boards of the Faculties, shall approve the curricula for all qualifications of the University.

GR4 Faculty rules

Subject to the provisions of the Higher Education Act, the Statute of the University, and the following Rules, the Council may, upon the approval of the Senate, make or amend rules for each faculty relating to:

(a) the eligibility of a student as a candidate for any qualification and/or module, which may include recognition of prior learning (RPL);
(b) the selection process;
(c) the period of attendance;
(d) the curriculum, work and other requirements for each qualification;
(e) progression and academic exclusion; and
(f) any other matter relating to the academic functions of the University.

GR5 Application to study

(a) Applications to study must be made in such manner as prescribed, and must include presentation of the Matriculation Certificate where this is required.
(b) An applicant who has studied at any other tertiary education institution must, in addition, present an academic record and a certificate of conduct from that institution.

GR6 Selection requirements

All applicants shall produce evidence satisfactory to the Senate of their competence to work for the qualification sought. The Senate may decline to admit as a candidate for the qualification any person whose previous academic attainments are, in its opinion, not sufficiently high to warrant such admission.

GR7 Selection for postgraduate studies

(a) Graduates of any other recognised university (whether in the Republic of South Africa or elsewhere) may, for the purpose of proceeding to a postgraduate qualification in any faculty of the University, be admitted by the Senate to a status in the University equivalent to that which they possess in their own university by virtue of any degree held by them.

(b) An applicant who has graduated from another tertiary institution or who has in any other manner attained a level of competence which, in the opinion of the Senate, is adequate for the purpose of postgraduate studies or research, may be admitted as a student in any faculty of the University.

GR8 Exemption from a module

Exemption from a module may be granted and credit may be awarded for a relevant module where an applicant has already obtained credit for an equivalent module or can demonstrate an equivalent level of competence through prior learning.

GR9 Registration

(a) In order to pursue their studies in any semester, all students of the University shall complete the applicable registration procedure, thereby affirming their acceptance of the rules of the University.

(b) The Council, on the recommendation of the Senate, may impose conditions for the registration of any student.

(c) On application to the relevant Faculty Office, and with the approval of the Senate, a student's registration may be suspended for a specified period of time. Such student remains subject to the rules of the University, and may return to register before or at expiry of the period of suspension. The period during which registration is suspended shall not be included in any calculation towards the minimum and maximum periods prescribed for any qualification in terms of Rule GR12, nor for the evaluation of eligibility for the award of degrees *cum laude* or *summa cum laude* in terms of Rules BR6, HR8, CR17 and MR13.

GR10 Payment of fees

(a) Save by special permission of the Senate and the Council:
  (i) An applicant shall not be registered until all relevant prescribed fees are paid;

(ii) A student shall not be entitled to admission to an examination, nor to receipt of examination results, until all relevant prescribed fees are paid.

(b) A student shall not be entitled to the conferral or award of a qualification until all monies due to the University have been paid.

GR11 Concurrent registration

Save by special permission of the Senate:

(a) no student shall be registered for more than one qualification at the same time; nor

(b) shall any student, while registered at any other tertiary institution, be registered concurrently at the University.

GR12 Period of attendance

Every candidate for a qualification shall meet the relevant attendance and performance requirements for each module and qualification as prescribed by the relevant Faculty and approved by the Senate, in order to obtain the requisite credit.

GR13 Module registration

(a) Subject to Rule GR14, no student shall be registered for any module unless his or her curriculum has been approved by the Senate. An approved curriculum may be modified only with the consent of the Senate.

(b) Save by special permission of the Senate, no student may attend a module for which he or she is not registered.

GR14 Ancillary, prerequisite and corequisite requirements

(a) A faculty may prescribe ancillary modules in any curriculum.

(b) A faculty may specify the attainment of a minimum mark of more than 50% in a prerequisite module, a specified mark in a module or any other requirement before registration for the proposed module is permitted.

(c) Registration for a module will be conditional on meeting all corequisite and prerequisite requirements for that module.

GR15 Obsolete modules

In readmitting a student, the Senate may withhold recognition, for the purposes of a qualification, of credits previously obtained in modules which have subsequently become obsolete.

GR16 Duly performed (DP) certification

(a) Students shall not present themselves for examination in any module unless the Head of the School in which they have studied that module has certified that they have met the DP requirements for the specified module.

(b) Such DP certification shall be valid only for the examinations, including supplementary examinations, of the semester in which it is issued.
(c) With the consent of the Board of the Faculty concerned, in exceptional circumstances, the DP certification may be extended to the relevant subsequent semester, in which case the Board may allow the student to retain the relevant class mark.
(d) The DP requirements for each module shall be published in the Faculty Handbook and in any other manner deemed appropriate by the Faculty.
(e) Save as may otherwise be provided by the Faculty, for each module a list of those students refused DP certification shall be published, in a manner deemed appropriate by the Faculty, on or before the last day of teaching in each semester.

GR17 DP certification - right of appeal

(a) Students have the right to appeal against the refusal of a DP certification in terms of Rule GR16.
(b) An appeal must be lodged in the relevant Faculty Office, in the prescribed manner, within three (3) University working days of the last day of notification of DP refusals.
(c) Such appeal shall be considered by an appropriate committee, the composition of which shall be approved by the Senate.
(d) The decision of the committee shall be final.

GR18 Examinations

(a) An examination may be written and/or oral, and may include practical work.
(b) On application and/or on the recommendation of the Head of School, with the approval of the Senate, a written examination may, for a particular student, be replaced or supplemented by an oral examination.

GR19 External examination and moderation

(a) Except with the permission of the Senate, all modules, other than exit-level modules, shall be subject to internal examination and independent moderation.
(b) Except with the permission of the Senate, all exit-level modules shall be subject to internal and external examination.
(c) The portion of the total assessment subject to independent moderation or external examination, in terms of (a) or (b) above, shall be at least 50%.

GR20 Examination scripts

(a) To aid academic development, students may view their examination scripts under supervision.
(b) (i) A student may, on formal application and after payment of the applicable fee, have all his/her examination scripts for a module re-marked, normally by the original examiners, in accordance with the policies approved by the Senate and the Council.

(ii) Such application shall be lodged in the relevant Faculty Office, in the prescribed manner, within ten (10) University working days of the release of supplementary results.
(iii) The student's final mark for the module shall be that determined by the re-mark.
(iv) The fee shall be refunded only if the re-mark causes an improvement in the class of result as reflected in Rule GR29(a).

(c) Re-marking as contemplated in (b) above shall not be permitted for Honours and equivalent projects, Masters dissertations and Doctoral theses.
(d) Examination scripts shall be stored by the University for a maximum period of one (1) year or such longer period required by contractual or professional obligations.

GR21 Examination sessions

All examinations shall be held in the prescribed sessions approved by the Senate.

GR22 Supplementary examinations

Supplementary examinations may be awarded in terms of these Rules and the relevant Faculty Rules, as approved by the Senate.

GR23 Special examinations

(a) A student who has not been able to attempt or complete the original final examination by reason of illness or any other reason deemed sufficient by the Senate, may, on application, be granted permission to sit a special examination, normally during the next applicable supplementary examination session.
(b) An application for a special examination shall be made on the prescribed form, accompanied by all relevant documentation, and lodged in the relevant Faculty Office within five (5) working days of the date of the examination concerned.
(c) If an application for a special examination is approved, the examination result, if any, from the original examination shall be regarded as null and void. If such an application is not approved the original examination result shall stand.

GR24 Standard of supplementary and special examinations

To pass supplementary and special examinations, students must demonstrate a level of academic competence equivalent to that required in the original examination.

GR25 Limitation on awarding supplementary and special examinations

(a) A supplementary or special examination shall not be granted in respect of any supplementary examination awarded in terms of Rule GR22.
(b) A supplementary or special examination shall not be granted in respect of any special examination awarded in terms of Rule GR23.

GR26 Completion of modules

Every module shall be completed by passing the Senate-approved assessment in that module.

GR27 Pass mark

The pass mark for all modules in the University shall be 50%, provided that any sub-minima required in certain components of the Senate-approved assessment have been met.

GR28 Completion requirements

Save by special permission of the Council, upon the approval of the Senate, a qualification shall not be conferred or awarded until:

(a) credit has been obtained for all prescribed modules, including prerequisite and corequisite modules;
(b) all other faculty requirements have been met; and
(c) all monies due to the University have been paid.

GR29 Classification of results

(a) The result of any assessment shall be classified as follows:
75% upward = 1st Class; 70 – 74%. = 2nd Class, Upper Division;
60 – 69% = Second Class, Lower Division; 50 – 59% = 3rd Class;
less than 50% = Fail.
(b) A module may be passed with such distinctions as may be prescribed by the Senate on the recommendation of the Board of the Faculty concerned.
(c) A qualification may be conferred or awarded with such distinctions as may be prescribed by the Senate on the recommendation of the Board of the Faculty concerned.

GR30 Academic exclusion

(a) The Council may, with the approval of the Senate, after each examination session exclude or refuse to renew or continue the registration of a student who has failed to meet the academic requirements for continued registration.
(b) The Senate may cancel the registration of a student in all or one or more of the modules for which the student is registered in a semester if, in the opinion of the Senate, the academic achievement of the student is such that the student may not at the end of the semester obtain credit in such module or modules.
(c) The Council may, with the approval of the Senate, refuse readmission to a student who fails to satisfy the minimum requirements for readmission.
(d) Subject to Rule GR31, students excluded or refused re-registration may not be readmitted to the University until they are able to demonstrate that they have achieved a level of competence satisfactory to the relevant Faculty and the Senate.

GR31 Academic exclusion – right of appeal

(a) Students have the right to a single appeal against academic exclusion in terms of Rule GR30.
(b) Such appeal shall be lodged in the Faculty of registration, in the prescribed manner, within ten (10) University working days of the release of final results.
(c) The process for consideration of such an appeal shall be approved by the Senate.

GR32 Ethics

All academic activities and research in particular, shall comply with the relevant University policies on ethics and any related requirements as determined by the Senate and the Council.

GR33 Reproduction of work

Subject to the provisions of the University's policy on intellectual property rights and any limitations imposed by official contractual obligations:

(a) In presenting an assignment, prescribed project, dissertation, thesis or any such work for assessment, a student shall be deemed by so doing to have granted the University the right to reproduce it in whole or in part for any person or institution who states that it is for study and research but not for commercial gain; provided that the University may waive this right if the work in question has been or is being published in a manner satisfactory to the University.
(b) The work of students shall not be included in publications by academic staff without their express permission and acknowledgement; provided that such work may be included and acknowledged if all reasonable attempts to trace such students have been unsuccessful.

RULES FOR BACHELORS DEGREES

Note: The following Rules are additional to the preceding General Rules GR1 – GR33.

BR1 Applicability

The following Rules, BR2 to BR6 inclusive, shall be applicable to every candidate for a Bachelors Degree.

BR2 Criteria for admission to study

(a) Applicants for a first or primary degree for which the Matriculation Certificate is a prerequisite, shall produce evidence to the satisfaction of the Senate that they have obtained the Matriculation Certificate of the Matriculation Board, or satisfied the conditions prescribed by the Board for exemption from the Matriculation Examination and obtained the Board's certificate to that effect, or obtained a certificate of conditional exemption issued by the Board to applicants from countries outside the Republic of South Africa, or satisfied the conditions of any alternative admission process approved by the Senate.

(b) In addition to the requirements of a) above, the minimum requirements for admission to study in any faculty may include the requirement to have attained such minimum standard in a specified subject or subjects or such aggregate of points scored according to subjects passed in the Matriculation Examination, or in an examination recognised for the purpose by the Matriculation Board, or such other qualifications as may be prescribed. The selection process will be based on these requirements and may include academic ranking and other criteria as approved by the Senate and the Council.

BR3 Periods of attendance

Every candidate for a first or primary degree, shall be registered as a matriculated student, except as provided in Rule BR2, and have completed subsequent to the date of validity of the Matriculation Certificate or of the certificate of full exemption from the matriculation examination issued by the Matriculation Board, the minimum period of attendance prescribed by the rules of the relevant Faculty.

BR4 Recognition of attendance

For the purpose of Rules GR12 and BR3, the Senate may accept as part of the attendance of a student for a degree of Bachelor, periods of attendance as a registered matriculated student at any other university or tertiary institution or in any other faculty in the University: provided that students shall not have the degree of Bachelor conferred unless:

(a) their periods of attendance are together not less than the complete period prescribed for such degree; and

(b) they attended at the University:

  (i) for a degree of Bachelor, the term of which is six or eight semesters; at least four semesters which shall include the completion of at least half of the total number of credits prescribed for the degree and which, except with the approval of the Senate, shall include all those at the exit level; or

  (ii) for a degree of Bachelor, the term of which is ten or twelve semesters, at least six semesters which, except with the approval of the Senate, shall include the completion of all modules prescribed for the final six semesters of the curriculum.

BR5 Supplementary examinations

Provided that the rules of any faculty, as approved by the Senate, do not prohibit this for a particular module:

(a) a student who fails a module with a mark of at least 40%, or who obtains a passing mark less than that prescribed for registration for another module, shall be awarded a supplementary examination;

(b) under exceptional circumstances, and with the permission of the Senate, a student who has failed a module with a mark of less than 40% may be awarded a supplementary examination.

BR6 Award of degree cum laude and summa cum laude

(a) A degree of Bachelor may be conferred *cum laude* in accordance with the rules of the relevant Faculty, as approved by the Senate, provided that, subject to exceptions as approved by the Council, the student has:
  (i) obtained a credit-weighted average of at least 75% in those modules specified by the Faculty; and
  (ii) successfully completed all modules in the curriculum at the first attempt and without recourse to supplementary examinations; and
  (iii) completed the degree in the prescribed minimum time.

(b) A degree of Bachelor may be conferred *summa cum laude* in accordance with the rules of the relevant Faculty, as approved by the Senate, provided that, subject to exceptions as approved by the Council, the student has:
  (i) obtained a credit-weighted average of at least 80% in those modules specified by the Faculty; and
  (ii) successfully completed all modules in the curriculum at the first attempt and without recourse to supplementary examinations; and
  (iii) completed the degree in the prescribed minimum time.

RULES FOR HONOURS DEGREES

Note: The following Rules are additional to the preceding General Rules GR1 – GR33.

HR1 Applicability

The following Rules, HR2 to HR8 inclusive, shall be applicable to every candidate for a degree of Honours.

HR2 Criteria for admission to study

(a) Applicants may be registered for the degree of Honours in any faculty provided that they have:
  (i) satisfied the requirements for a relevant prerequisite degree as specified in the Faculty concerned; or
  (ii) been admitted to the status of that degree in terms of Rule GR7(a); or
  (iii) attained a level of competence as defined in Rule GR7(b).

(b) A faculty may prescribe further minimum criteria for admission to study.

HR3 Attendance

(a) Every student for a degree of Honours shall attend an approved course of study as a registered student of the University for a period of at least two semesters after admission in terms of Rule HR2.

(b) Save by permission of the Senate, all modules shall be completed at the University.

HR4 Curriculum

Save by permission of the Senate, the curriculum for a degree of Honours shall include a prescribed project as one of the modules.

HR5 Supplementary examinations

Provided that the rules of a faculty, as approved by the Senate, do not prohibit this for a particular module:

(a) a student who fails a module other than the prescribed project with a mark of at least 40% shall be awarded a supplementary examination; and

(b) under exceptional circumstances, and with the permission of the Senate, a student who has failed a module other than the prescribed project with a mark of less than 40% may be awarded a supplementary examination.

HR6 Re-examination of prescribed project

Provided that the rules of a faculty, as approved by the Senate, permit this, a prescribed project that is failed may be referred back once for revision and resubmission before the close of the applicable supplementary examination session.

HR7 Failed modules

Failed modules may not be repeated, except with the permission of the Senate.

HR8 Award of degree cum laude and summa cum laude

(a) A degree of Honours may be conferred *cum laude* in accordance with the rules of the relevant Faculty, as approved by the Senate, provided that, subject to exceptions as approved by the Council, the student has:
   (i) obtained a credit-weighted average of at least 75% in those modules required for the qualification; and
   (ii) a mark of at least 75% for the prescribed project; and
   (iii) successfully completed all modules in the curriculum without recourse to supplementary examinations; and
   (iv) completed the degree in the prescribed minimum time.

(b) A degree of Honours may be conferred *summa cum laude* in accordance with the rules of the relevant Faculty, as approved by the Senate, provided that, subject to exceptions as approved by the Council, the student has:
   (i) obtained a credit-weighted average of at least 80% in those modules required for the qualification; and
   (ii) a mark of at least 80% for the prescribed project; and
   (iii) successfully completed all modules in the curriculum without recourse to supplementary examinations; and
   (iv) completed the degree in the prescribed minimum time.

RULES FOR MASTERS DEGREES BY COURSEWORK

Note: The following Rules are additional to the preceding General Rules GR1 – GR33.

CR1 Applicability

The following Rules, CR2 to CR17 inclusive, shall be applicable to every candidate for a degree of Master by coursework.

CR2 Criteria for admission to study

(a) An applicant shall not be registered for the degree of Master by coursework in any faculty unless the applicant has:
  (i) satisfied the requirements for a relevant prerequisite degree as specified in the Faculty concerned; or
  (ii) been admitted to the status of that degree in terms of Rule GR7(a); or
  (iii) attained a level of competence as defined in Rule GR7(b).

(b) A faculty may prescribe further minimum criteria for admission to study.

CR3 Recognition of examinations

The Senate may accept examinations passed or certificates of proficiency completed in any module by a student in any faculty of the University or of any other university or institution recognised by the Senate for this purpose, or accept demonstration of an equivalent level of competence through prior learning, in terms of Rule GR7(b), as exempting the student from examination in module(s) prescribed for a degree of Master by coursework, provided that:

(a) no more than 50% of the required credits for the degree may be so exempted, provided that such credits shall be awarded for coursework modules only; and

(b) at least 75% of the total number of credits required for the degree are at Masters level and the remainder at Honours level or above; and

(c) students shall not have the degree of Master conferred unless the conditions laid down in Rules CR4 and CR5 are satisfied.

CR4 Periods of registration

A student registered for the degree of Master by coursework in any faculty shall be so registered for a minimum period of two semesters for full-time students or four semesters for part-time students before the degree may be conferred.

CR5 Recognition of attendance

The Senate may accept as part of the attendance of a student for a degree of Master by coursework, periods of attendance as a registered or graduated student at any other university or institution or in any other faculty, provided that students shall not have the degree of Master conferred unless:

(a) their periods of attendance are together not less than the complete period prescribed for conferral of the degree; and
(b) the research component is completed at the University.

CR6 Curriculum

(a) A student shall complete all prescribed modules, at least one of which shall be a dissertation module comprising research on a particular topic approved by the Senate, and comply with such other conditions as may be prescribed by the Senate and the rules of the Faculty concerned.
(b) The dissertation module shall comprise 25% to 50% of the total credits for the degree.

CR7 Proposed research topic

(a) he Senate may, at its discretion, decline to approve a research topic if in its opinion:
    (i) it is unsuitable in itself; or
    (ii) it cannot effectively be undertaken under the supervision of the University; or
    (iii) the conditions under which the student proposes to work are un-satisfactory.
(b) Ethical approval in terms of Rule GR32 is required where applicable.

CR8 Supervision

The Board of the Faculty shall, in terms of the policies of the Senate, appoint one or more appropriate supervisors, at least one of whom shall be a member of the University staff, to advise a student whose research topic is approved, and the student shall be required to work in such association with the supervisor or supervisors as the Senate may direct.

CR9 Supplementary examinations

Provided that the rules of a faculty, as approved by the Senate, do not prohibit this for a particular module:
(a) a student who fails a module other than the dissertation with a mark of at least 40% shall be awarded a supplementary examination;
(b) under exceptional circumstances, and with the permission of the Senate, a student who has failed a module other than the dissertation with a mark of less than 40% may be awarded a supplementary examination.

CR10 Failed coursework modules

Failed coursework modules may not be repeated, except with the permission of the Senate.

CR11 Progression

A student who, after six semesters as a full-time student or ten semesters as a part-time student, has not completed the requirements for the degree shall be required to apply for re-registration, which will only be permitted on receipt of a satisfactory motivation.

CR12 Submission of dissertation

At least three months before the dissertation is to be submitted for examination, a student shall give notice, in writing, to the Dean of the faculty concerned of the intention to submit such dissertation and the title thereof, provided that, in the event of a student failing to submit the dissertation for examination within six months thereafter, the notice will lapse and a further notice of intention shall be submitted.

CR13 Format of dissertation

(a) Every dissertation submitted shall include a declaration to the satisfaction of the Senate stating that it has not previously been submitted for a degree in this or any other university, and that it is the student's own original work.
(b) Every dissertation submitted shall be in such format as prescribed by the Senate and the rules of the relevant Faculty; provided that each dissertation shall include an abstract in English not exceeding 350 words.
(c) A dissertation may comprise one or more papers of which the student is the prime author, published or in press in peer-reviewed journals approved by the Board of the relevant Faculty, accompanied by introductory and concluding material.

CR14 Supervisor's report

Upon submission of the dissertation, the supervisor or supervisors shall furnish a report on the conduct of the student's work; the report shall not include an evaluation of the quality of the dissertation.

CR15 Examination of dissertation

(a) The Senate shall appoint for each dissertation two examiners, at least one of whom shall be responsible for external examination.
(b) Except with the permission of the Senate, a supervisor or co-supervisor shall not be appointed as an examiner.

CR16 Re-examination of dissertation

(a) A failed dissertation may not be re-examined.
(b) On the advice of the Board of the Faculty, the Senate may invite a student to re-submit a dissertation in a revised or extended form.

CR17 Award of degree *cum laude* and *summa cum laude*

On the recommendation of the examiners of the dissertation, and in accordance with rules of the relevant faculty, the degree of Master by coursework may be awarded *cum laude* or *summa cum laude*.

(a) For *cum laude* the student should obtain a weighted average of 75% or more in the coursework component of the degree at the first attempt and without recourse to supplementary examinations.

(b) For *summa cum laude* the student should obtain a weighted average of 80% or more in the coursework component of the degree at the first attempt and without recourse to supplementary examinations.

RULES FOR MASTERS DEGREES BY RESEARCH

Note: The following Rules are additional to the preceding General Rules GR1 – GR33.

MR1 Applicability

The following Rules, MR2 to MR13 inclusive, shall be applicable to every candidate for a degree of Master by research.

MR2 Criteria for admission to study

(a) An applicant shall not be registered for the degree of Master by research in any faculty unless the applicant has:
  (i) satisfied the requirements for a relevant prerequisite degree as specified in the Faculty concerned; or
  (ii) been admitted to the status of that degree in terms of Rule GR7(a); or
  (iii) attained a level of competence as defined in Rule GR7(b).

(b) A faculty may prescribe further minimum criteria for admission to study.

MR3 Periods of registration

A student registered for the degree of Master by research in any faculty shall be so registered for a minimum period of two semesters for full-time students or four semesters for part-time students before the degree may be conferred.

MR4 Curriculum

(a) A student for the degree of Master by research shall be required to pursue an approved programme of research on some subject falling within the scope of the studies represented in the University.

(b) A student shall also comply with such other conditions as may be prescribed by the Senate and the rules of the Faculty concerned.

MR5 Proposed subject of study

(a) Before registration, an applicant for the degree of Master by research in any faculty shall submit for the approval of the Senate a statement of the proposed subject of study.

(b) The Senate may, at its discretion, decline to approve such subject if, in its opinion:
  (i) it is unsuitable in itself, or
  (ii) it cannot profitably be studied or pursued under the supervision of the University, or
  (iii) the conditions under which the applicant proposes to work are unsatisfactory.

(c) Ethical approval in terms of Rule GR32 is required where applicable.

MR6 Supervision

The Board of the Faculty shall, in terms of the policies of the Senate, appoint one or more appropriate supervisors, at least one of whom shall be a member of the University staff, to advise a student whose research topic is approved, and the student shall be required to work in such association with the supervisor or supervisors as the Senate may direct.

MR7 Progression

A student who, after six semesters as a full-time student or ten semesters as a part-time student, has not completed the requirements for the degree shall be required to apply for re-registration, which will only be permitted on receipt of a satisfactory motivation.

MR8 Submission of dissertation

(a) Every student for the degree of Master by research shall be required to submit a dissertation embodying the results of their research.
(b) At least three months before the dissertation is to be submitted for examination, a student shall give notice, in writing, to the Dean of the faculty concerned of the intention to submit such dissertation and the title thereof, provided that, in the event of a student failing to submit the dissertation for examination within six months thereafter, the notice will lapse and a further notice of intention shall be submitted.

MR9 Format of dissertation

(a) Every dissertation submitted shall include a declaration to the satisfaction of the Senate stating that it has not previously been submitted for a degree in this or any other university, and that it is the student's own original work.
(b) Every dissertation submitted shall be in such format as prescribed by the Senate and the rules of the relevant Faculty; provided that each dissertation shall include an abstract in English not exceeding 350 words.
(c) A dissertation may comprise one or more papers of which the student is the prime author, published or in press in peer-reviewed journals approved by the Board of the relevant Faculty, accompanied by introductory and concluding material.

MR10 Supervisor's report

Upon submission of the dissertation, the supervisor or supervisors shall furnish a report on the conduct of the student's work; the report shall not include an evaluation of the quality of the dissertation.

MR11 Examination

(a) The Senate shall appoint for each dissertation two examiners, at least one of whom shall be responsible for external examination.
(b) Except with the permission of the Senate, a supervisor or co-supervisor shall not be appointed as an examiner.

MR12 Re-examination of dissertation

(a) A failed dissertation may not be re-examined.
(b) On the advice of the Board of the Faculty, the Senate may invite a student to re-submit a dissertation in a revised or extended form.

MR13 Award of degree cum laude

On the recommendation of the examiners, and in accordance with rules of the relevant faculty, the degree of Master by research may be awarded *cum laude* or *summa cum laude*.

RULES FOR THE DEGREE OF DOCTOR OF PHILOSOPHY and SUPERVISED DOCTORAL DEGREES BY RESEARCH

Note: The following Rules are additional to the preceding General Rules GR1 – GR33.

DR1 Applicability

Except as may be prescribed by the Senate in the rules of any particular faculty, the following rules, DR2 to DR13 inclusive, shall be applicable to every candidate for the degree of Doctor of Philosophy / a supervised Doctoral degree by research.

DR2 Criteria for admission to study

(a) An applicant shall not be registered for the degree of Doctor of Philosophy / a supervised Doctoral degree by research in any faculty unless the applicant has:
  (i) satisfied the requirements for a relevant prerequisite degree as specified in the Faculty concerned; or
  (ii) been admitted to the status of that degree in terms of Rule GR7(a); or
  (iii) attained a level of competence as defined in Rule GR7(b).
(b) A faculty may prescribe further minimum criteria for admission to study.

DR3 Periods of registration

A student registered for the degree of Doctor of Philosophy / a supervised Doctoral degree by research in any faculty shall be so registered for a minimum period of four semesters for full-time students or eight semesters for part-time students before the degree may be conferred.

DR4 Curriculum

(a) A student for the degree of Doctor of Philosophy / a supervised Doctoral degree by research shall be required to pursue an approved programme of research on some subject falling within the scope of the studies represented in the University.
(b) Such programme shall make a distinct contribution to the knowledge or understanding of the subject and afford evidence of originality shown either by the discovery of new facts and/or by the exercise of independent critical power.

(c) A student shall also comply with such other conditions as may be prescribed by the Senate and the rules of the Faculty concerned.

DR5 Proposed subject of study

(a) Before registration, an applicant for the degree of Doctor of Philosophy / a supervised Doctoral degree by research shall submit for the approval of the Senate a statement of the proposed subject of study.
(b) The Senate may, at its discretion, decline to approve such subject if, in its opinion:
    (i) it is unsuitable in itself, or
    (ii) it cannot profitably be studied or pursued under the supervision of the University, or
    (iii) the conditions under which the applicant proposes to work are unsatisfactory.
(c) Ethical approval in terms of Rule GR32 is required where applicable.

DR6 Supervision

The Board of the Faculty shall appoint one or more appropriately qualified supervisors, at least one of whom shall be a member of the University staff, to advise a student whose research topic is approved, and the student shall be required to work in such association with the supervisor or supervisors as the Senate may direct.

DR7 Progression

A student who, after eight semesters as a full-time student or twelve semesters as a part-time student, has not completed the requirements for the degree shall be required to apply for re-registration, which will only be permitted on receipt of a satisfactory motivation.

DR8 Submission of thesis

(a) Every student for the degree of Doctor of Philosophy / a supervised Doctoral degree by research shall be required to submit a thesis embodying the results of their research.
(b) At least three months before the thesis is to be submitted for examination, a student shall give notice, in writing, to the Dean of the faculty concerned of the intention to submit such thesis and the title thereof, provided that, in the event of a student failing to submit the thesis for examination within six months thereafter, the notice will lapse and a further notice of intention shall be submitted.

DR9 Format of thesis

(a) Every thesis submitted shall include a declaration to the satisfaction of the Senate stating that it has not previously been submitted for a degree in this or any other university, and that it is the student's own original work.
(b) Every thesis submitted shall be in such format as prescribed by the Senate and the rules of the relevant Faculty; provided that each thesis shall include an abstract in English not exceeding 350 words.

(c) A thesis may comprise one or more original papers of which the student is the prime author, published or in press in peer-reviewed journals approved by the Board of the relevant Faculty, accompanied by introductory and concluding integrative material.

DR10 Supervisor's report

Upon submission of the thesis, the supervisor or supervisors shall furnish a report on the conduct of the student's work; the report shall not include an evaluation of the quality of the thesis.

DR11 Examination

(a) The Senate shall appoint for each thesis three examiners, at least two of whom shall be responsible for external examination.
(b) Except with the permission of the Senate, at least one of the external examiners shall be based external to the country.
(c) Except with the permission of the Senate, a supervisor or co-supervisor shall not be appointed as an examiner.

DR12 Re-examination of thesis

(a) A failed thesis may not be re-examined.
(b) On the advice of the Board of the Faculty, the Senate may invite a student to re-submit a thesis in a revised or extended form.

DR13 Defence of thesis

The Senate may require a student to defend a thesis

RULES FOR SENIOR (UNSUPERVISED) DOCTORAL DEGREES

Note: The following Rule is additional to the preceding General Rules GR1 – GR33.

DS1 Applicability

(a) Except as may be prescribed by the Senate in the rules of any particular faculty, the preceding rules DR2 to DR13 shall also be applicable where relevant to every candidate for a senior (unsupervised) Doctoral degree.
(b) Additional rules governing the requirements for senior Doctoral degrees in particular faculties may be prescribed by the Senate and the Council.

RULES FOR CERTIFICATES AND DIPLOMAS

Note: The following Rule is additional to the preceding General Rules GR1 – GR33.

CD1 Applicability

The rules governing certificates and diplomas in any faculty shall be as prescribed by the Senate and the Council in the Handbook of the applicable faculty.

GENERAL RULES FOR THE COLLEGE OF HEALTH SCIENCES

Preamble

The following rules shall apply to every student registered for a qualification in the College of Health Sciences (hereinafter referred to as "the College") of the University of KwaZulu-Natal (hereinafter referred to as "the University").

Except insofar as they are specifically modified, extended, restricted or otherwise qualified by the general College rules HS1 to HS43 given below, or by the Rules for particular qualifications offered within the College, the University's General Academic Rules for Degrees, Diplomas and Certificates shall apply to all students of the College.

The Rules for various qualifications offered within the College, although appearing separately in different parts of the College Handbook (hereinafter referred to as "the handbook"), shall be regarded as part of the College rules and shall have equal force.

HS1 Changes in rules

The College may revise or add to its rules from time to time, and any such alteration or addition shall become binding upon the date of publication or upon such date as may be specified by the College and approved by the Council and the Senate, provided that no change in rules shall be interpreted so as to operate retrospectively to the prejudice of any currently registered student.

HS2 Approval of curricula *(cf University Rules GR3, GR13 and GR14)*

(a) The rules governing the curriculum of any qualification offered by the College shall require the approval of the Senate and the Council.

(b) No student shall be registered for any module in the College unless the curriculum of that student has been approved by the Senate. An approved curriculum may be modified only with the consent of the Senate.

(c) Save by special permission of the Senate, no student may attend a module for which he or she is not registered.

HS3 Matriculation *(cf University Rule BR2)*

(a) University Rule BR2 shall apply. All applicants for a first or primary degree in the College shall be required, either (i) to have, from the Matriculation Board, a Matriculation Certificate or a Certificate of Exemption or a Certificate of Conditional Exemption for applicants from countries outside the Republic of South Africa; or (ii) to have satisfied the conditions of an alternative admission process approved by the Senate.

(b) In addition to the requirements of HS3 (a) above, the rules for a particular programme or qualification may require that certain minimum requirements for admission, as set out in University Rule BR2 (b), be met. Such additional requirements shall be set out in the handbook.

HS4 Eligibility *(cf University Rule GR7)*
An applicant shall not be eligible to apply to register for a qualification in the College unless he or she

(a) Holds any prerequisite qualification that is required in terms of the rules for the particular qualification concerned, or is admitted by the Senate to the status of such prerequisite qualification in terms of Rule GR7(a), or has attained a level of competence as defined in Rule GR7(b); and
(b) Complies with such further requirements as are stated in the rules for the particular qualification concerned.

Note: *A candidate who is eligible to apply for registration for a qualification shall not thereby necessarily be entitled to be admitted thereto. (See Rule HS6 below)*

HS5 Application to study *(cf University Rule GR5)*

(a) Applications to study must be made in the prescribed manner, and must include presentation of the Matriculation Certificate where this is required.
(b) An applicant who has studied at any other tertiary education institution must, in addition, present an academic record and a certificate of conduct from that institution.
(c) Where, in terms of the rules of the relevant programme or qualification, further conditions for registration have to be complied with, the applicant shall present all supporting documentation requested by the University.

HS6 Selection (*cf University Rules GR6, GR7)*
Not every candidate who is eligible to apply to register for a particular qualification in the College in terms of Rule HS4 will necessarily be admitted as a candidate for that qualification. Applicants shall be subject to selection, in which any factors deemed by the University to be relevant to the candidate's prospects of successfully completing the qualification, to the resources which are available within the University, or to the University's obligations in terms of government policies and regulations, will be taken into account.

HS7 Selection for postgraduate studies *(cf University Rule GR7)*

(a) Graduates of any other recognised university (whether in the Republic of South Africa or elsewhere) may, for the purpose of proceeding to a postgraduate qualification in the College, be admitted by the Senate to a status in the University equivalent to that which they possess in their own university by virtue of any degree held by them.
(b) An applicant who has graduated from another tertiary institution or who has in any other manner attained a level of competence which, in the opinion of the Senate, is adequate for the purpose of postgraduate studies or research, may be admitted as a student in the College.

HS8 Exemption from a module (*cf University Rules GR8, HR3, CR3)*
Exemption from a module may be granted and credit may be awarded for a module where an applicant has already obtained credit for an equivalent module or can demonstrate an equivalent level of competence through prior learning. This shall be subject to the provisions of University Rules, in particular HR3 and CR3.

HS9 Recognition of attendance (*cf University Rules BR4, HR3, CR5)*
Subject to the provisions and restrictions of Rule HS31 and University Rules BR4 and HR3, the Senate may accept as part of the attendance of a student, periods of attendance as a registered matriculated student at any other university or tertiary institution or in any other faculty in the University.

HS10 Payment of fees *(this is University rule GR10)*
(a) Save by special permission of the Senate and the Council:
  (i) An applicant shall not be registered until all relevant prescribed fees are paid;
  (ii) A student shall not be entitled to admission to an examination, nor to receipt of examination results, until all relevant prescribed fees are paid.
(b) A student shall not be entitled to the conferral or award of a qualification until all monies due to the University have been paid

HS11 Attendance and performance requirements (*cf University Rules GR30, GR31)*
Every candidate for a qualification in the College shall meet the attendance and performance requirements prescribed in the rules for the relevant Faculty or in the rules of the programme or qualification concerned. A candidate who does not meet these requirements may be excluded from the University in terms of Rule GR30.

HS12 Prerequisite and corequisite modules *(cf University Rule GR14)*
(a) The College may prescribe certain modules as being prerequisite or corequisite to other modules offered in the College. All such requirements shall be published in the relevant module entries in the handbook.
(b) The College may further require, as a condition of registration for a module, the attainment of a specified minimum mark in a prerequisite module. Any such requirement shall be published in the relevant module entry in the handbook.
(c) A student who for two semesters or more has undertaken no clinical work in a prerequisite clinical module may be required to pass a test on the work of that prerequisite module, or otherwise produce evidence of sustained competence in the work of the prerequisite module, in order to register for the succeeding module.

HS13 Due-performance (DP) certification (*cf University Rules GR16, GR17)*
(a) No student shall be admitted to a final examination in a module, or deemed to have completed that module, who does not hold a current Duly Performed Certificate (hereinafter called a "DP certificate") for the module issued by the Head of the School in which the module was studied.

(b) A DP certificate shall be valid only for the examinations, including supplementary and special examinations, of the semester in which it is issued; save that the Board may, in exceptional circumstances, extend the certificate to thje relevant subsequent semester, in which case the Board may also allow the student to retain the relevant class mark.
(c) A condition for the award of a DP certificate shall be the attendance of prescribed minimum proportions of lectures, tutorial classes, practical classes, clinics, and other forms of attendance required for the module.
(d) With the approval of the Board, further conditions for the award of a DP certificate may be specified for any module.
(e) The DP requirements for each module shall be published in the handbook and shall be brought to the attention of students at the commencement of the module.
(f) Save as may otherwise be approved by the Board, for each module a list of those students refused DP certification shall be published on or before the last day of teaching.

HS14 External examination (*this is University Rule GR19; see also Rules HS41 and HS42)*
(a) Except with the permission of the Senate, all modules, other than exit-level modules, shall be subject to internal examination and independent moderation.
(b) Except with the permission of the Senate, all exit-level modules shall be subject to internal and external examination.
(c) The portion of the total assessment subject to independent moderation or external examination, in terms of (a) or (b) above, shall be at least 50%.

HS15 Examination scripts (*this is University Rule GR20)*
(a) To aid academic development, students who are not in default of fees may view their examination scripts under supervision.
(b) (i) A student who has obtained a final mark of at least 45% for a module may, on formal application and after payment of the applicable fee, have all their examination scripts for the module re-marked, normally by the original examiners, in accordance with the policies approved by the Senate and the Council.
(ii) Such application shall be lodged in the relevant Faculty Office, in the prescribed manner, within 10 University working days of the release of final results.
(iii) The student's final mark for the module shall be that determined by the re-mark.
(iv) The fee shall be refunded only if the re-mark causes an improvement in the class of result as reflected in Rule GR29 (a).
(c) Re-marking as contemplated in (b) above shall not be permitted for Honours projects, Masters dissertations or Doctoral theses.
(d) Examination scripts shall be stored by the University for a maximum period of one (1) year or such longer period required by contractual or professional obligations.

HS16 Examination sessions (*this is University Rule GR21)*
All examinations conducted within the College shall be held in the prescribed sessions approved by the Senate.

HS17 Supplementary examinations (*cf University Rules GR22, GR24, GR25)*
Unless the rules of the relevant Faculty, or of a programme or qualification, prohibits this in the case of any particular module, and provided the module is not an Honours project or a postgraduate degree research project,

(a) a student who fails a module with a mark of 40% or more shall be awarded a supplementary examination in the module; and
(b) under exceptional circumstances, and with the permission of the Senate, a student who fails a module with a mark less than 40% may be awarded a supplementary examination.
(c) University General Rules GR22, GR24 and GR25 shall apply.

Special examinations
Special examinations may be awarded, subject to the provisions of University General Rules GR23 and GR24.

HS18 Pass mark (*this is University Rule GR27)*
The pass mark for every module which is examined within the College shall be 50%, provided that any sub-minima required in certain components of the Senate-approved assessment have been met.

HS19 Award of Degree *Cum Laude* (*cf University Rule BR6)*

(a) A diploma or a degree of Bachelor shall be awarded *cum laude* if a candidate obtains a credit-weighted average mark of 75% or more for all modules in the programme, has passed every module in the programme at the first attempt without recourse to supplementary examinations, and has completed the programme in the specified minimum period of study.
(b) A degree of Bachelor shall be awarded *summa cum laude* if a candidate obtains a weighted average mark of 80 % or more for all modules in the programme, has passed every module in the programme at the first attempt without recourse to supplementary examinations, and has completed the programme in the specified minimum period of study.
(c) The Senate may, on the recommendation of the Board of the Faculty, award a diploma or degree *cum laude* for reasons that it considers adequate.

Notes: For the rule governing the award of an Honours degree *cum laude* or *summa cum laude*, see HS28; for that governing the award of a masters degree *cum laude* or *summa cum laude*, see H42.

HS20 Academic exclusion (*cf University Rule GR30)*

(a) Except with the permission of the Senate and subject to HS20(b) and HS36, a student who, at any stage, cannot propose a curriculum acceptable to the Senate which will lead to the completion of the qualification within the minimum prescribed period plus four semesters, shall be excluded from the University in terms of Rule GR30.
(b) The Senate may suspend such exclusion for a defined period subject to the attainment of specified goals.

HS21 Academic exclusion - right of appeal (*this is University Rule GR31)*

(a) Students have the right to appeal against academic exclusion in terms of Rule HS20 or GR30.

(b) Such appeal shall be lodged with the Faculty Office in the prescribed manner within ten University working days of the release of final results or notification of the exclusion, whichever was the later.

HS22 Unacceptable behaviour Students who are required by their curricula to attend clinics and other facilities, including those that are external to the College or University, shall comply with the codes of dress and behaviour of those clinics and other facilities. Infringements of these codes shall be regarded as infringements of University rules of conduct.

HS23 Ethical approval (*cf University Rule CR7 (d))*

No experimental work or collection of data shall commence in any research project in the College involving human or animal subjects, that has not received the approval of the Senate as complying with the University guidelines for ethical research. Where such a research project involves work at an institution or institutions other than the University, the candidate shall not commence such work before proof of ethical approval from the other institution or institutions concerned has been submitted.

ADDITIONAL RULES FOR HONOURS DEGREES IN THE COLLEGE

HS24 Admission (*cf University Rule HR2)*

(a) To be eligible to apply to register for a degree of Honours, a candidate shall

  i) hold a Bachelors degree of the University in an appropriate field, or be admitted by the Senate to the status thereof in terms of Rule GR7(a), or have attained a level of competence defined in Rule GR7(b); and

  ii) comply with such further requirements as are specified in the rules for the particular Honours degree concerned.

(b) Eligible applicants shall be subject to selection based on the appropriateness of their academic background, the strength of their previous academic record, the availability of University resources, and University obligations in terms of University or government policies. In general, candidates will be expected to have obtained a credit-weighted average mark of at least 60% in the final examinations of their previous degree.

HS25 Attendance (cf University Rule HR3)

(a) A student for a degree of Honours shall attend as a registered student for a period of at least two semesters after admission in terms of Rule HS24; and

(b) unless the Senate determines otherwise, shall complete all modules at the University.

HS26 Curriculum (*cf University Rule HR4)*

Unless the Senate determines otherwise, the curriculum for a degree of Honours shall include a prescribed project with a credit value of no less than 32 points.

HS27 Re-examination of prescribed project (*cf University Rule HR6)*
A prescribed project that is failed may be referred back once for revision and resubmission before the close of the applicable supplementary examination session.

HS28 Award of Honours degree *cum laude* (*cf University Rule HR6)*
(a) A degree of Honours shall be awarded *cum laude* if a candidate obtains a credit-weighted average mark of 75% or more for all modules in the programme, obtains a mark of 75% or more for the project module, has passed every module in the programme at the first attempt without recourse to supplementary examinations, and has completed the programme in the specified minimum period of study.
(b) A degree of Honours shall be awarded *summa cum laude* if a candidate obtains a credit-weighted average mark of 80% or more for all modules in the programme, obtains a mark of 80% or more for the project module, has passed every module in the programme at the first attempt without recourse to supplementary examinations, and has completed the programme in the specified minimum period of study.

ADDITIONAL RULES FOR MASTERS DEGREES BY COURSEWORK IN THE COLLEGE OF HEALTH SCIENCES

HS29 Recognition of examinations
The Senate may accept examinations passed or certificates of proficiency completed in any coursework module by a student in any faculty of the University or of any other university or institution recognised by the Senate for this purpose, or accept demonstration of an equivalent level of competence through prior learning, in terms of Rule GR7 (b), as exempting the student from examination in module(s) prescribed for a degree of Master by coursework, provided that:
(a) in a degree other than Master of Medicine, no more than 50% of the required credits for the coursework degree may be so exempted, whilst in a degree of Master of Medicine, the full coursework component of the degree may be so exempted; and
(b) at least 75% of the total number of credits required for the degree are at Masters level and the remainder at Honours level or above; and
(c) students shall not have the degree of Master conferred unless the conditions laid down in Rules HS30 and HS31 are satisfied.

***Note**: The relevant rule governing degrees of Master of Medicine is FMED7.*

HS30 Periods of attendance *(University Rule CR4)*
A student registered for the degree of Master by coursework shall be so registered for a minimum period of two semesters for full-time students or four semesters for part-time students before the degree may be conferred.

HS31 Recognition of attendance *(University Rule CR5)*
The Senate may accept as part of the attendance of a student for a degree of Master by coursework, periods of attendance as a registered or graduated student at any other university or institution or in any other faculty, provided that students shall not have the degree of Master conferred unless:
(a) their periods of attendance are together not less than the complete period prescribed for conferral of the degree; and
(b) the research component is completed at the University.

HS32 Curriculum *(see University Rule CR6)*
(a) A student shall complete all prescribed modules, at least one of which shall include a research component on a particular topic approved by the Senate, and comply with such other conditions as are prescribed by the Senate and the rules of the College.
(b) The dissertation module shall comprise no less than 25% and no more than 50% of the total credits for the degree.

HS33 Proposed research topic *(see University Rule CR7)*
(a) The topic of a dissertation shall be chosen in consultation with the Head or designated representative of the School concerned, and shall require approval by the Senate.
(b) The Senate may, at its discretion, decline to approve a research topic if in its opinion:
  i) it is unsuitable in itself; or
  ii) it cannot effectively be undertaken under the supervision of the University; or
  iii) the conditions under which the student proposes to work are unsatisfactory; or
  iv) it is considered to be unethical to pursue such research.

HS34 Supervision *(University Rule CR8)*
The Board of the Faculty shall, in terms of the policies of the Senate, appoint one or more supervisors, at least one of whom shall be a member of the University staff, to advise a student whose research topic is approved, and the student shall be required to work in such association with the supervisor or supervisors as the Senate may direct.

HS35 Failed modules *(see University Rule CR10)*
In degrees of Master by coursework other than Master of Medicine:
(a) supplementary examinations in failed modules shall be governed by Rule HS17;
(b) a student who, upon first registration for a coursework module, fails that module, may with the permission of Senate repeat the module, but shall not be permitted to repeat it more than once.
(c) failure of the dissertation shall be governed by rule HS42.
***Note**: The relevant rule governing degrees of Master of Medicine is FMED6.*

HS36 Progression *(University Rule CR10)*
A student, who, in the judgment of the Board of the relevant faculty, has not made adequate progress in both the coursework and research components of a degree of Masters by coursework, may be requested to apply for re-registration and such re-registration shall only be allowed upon receipt of a satisfactory motivation.

HS37 Format of dissertation *(this is University Rule CR13)*
(a) Every dissertation submitted shall be in such format as prescribed by the Senate and the rules of the relevant Faculty; provided that each dissertation shall include an abstract in English not exceeding 350 words.
(b) A dissertation may comprise one or more first-authored papers, published or in press in peer-reviewed journals approved by the Board of the relevant Faculty, accompanied by introductory and concluding material.

HS38 Submission of dissertation
At least three months before the dissertation is to be submitted for examination, a student shall give notice, in writing, to the Dean of the faculty concerned of the intention to submit such dissertation and the title thereof, provided that, in the event of a student failing to submit the dissertation for examination within six months thereafter, the notice will lapse and a further notice of intention shall be submitted.

HS39 Supervisor's report
Upon submission of the dissertation, the supervisor or supervisors shall furnish a report on the conduct of the student's work; the report shall not include an evaluation of the quality of the dissertation.

HS40 Declaration
Every dissertation submitted for examination shall be accompanied by a declaration to the satisfaction of the Senate stating that it has not been submitted for a degree or other qualification in this or any other tertiary institution, and that it is the candidate's own original work.

HS41 Examination of dissertation *(cf University Rule CR12)*
The Board of the Faculty shall appoint two appropriately qualified examiners, one internal (not a supervisor) and one external to the university.

HS42 Re-examination of dissertation *(cf University Rule CR13)*
(a) A failed dissertation may not be re-examined.
(b) On the advice of the Board, the Senate may invite a student to re-submit a dissertation in a revised or extended form.

HS43 Award of degree *cum laude* and *summa cum laude* *(cf University Rule CR14)*

(a) The degree of Master by coursework shall be awarded *cum laude* if:
   (i) The student produces an outstanding dissertation and the examiners recommend to the Board that the degree be awarded *cum laude*; and
   (ii) the student obtains a weighted average mark of 75% or more in the coursework component of the degree at the first attempt and without recourse to supplementary examinations.

(b) The degree of Master by coursework shall be awarded *summa cum laude* if:
   (i) the student produces a particularly outstanding dissertation and the examiners recommend to the Board that the degree be awarded *summa cum laude*; and
   (ii) the student obtains a weighted average of 80% or more in the coursework component of the degree at the first attempt and without recourse to supplementary examinations.

RULES FOR DEGREES BY RESEARCH THESIS OR DISSERTATION

These degrees shall be governed by the General Rules of the University, MR1 – MR13, DR1 – DR13 and DS1 as augmented or qualified by such rules as are given in this handbook for the particular degrees involved.

GENERAL RULES OF THE FACULTY OF HEALTH SCIENCES

Preamble

The following rules shall apply to every student registered for a qualification in the Faculty of Health Sciences (hereinafter referred to as "the Faculty") of the University.

Except insofar as they are specifically modified, extended, restricted or otherwise qualified by the general rules of the College of Health Sciences (hereinafter referred to as "the College"), or by the Rules of the Faculty, or by Rules for particular qualifications offered within the Faculty, the University's General Academic Rules for Degrees, Diplomas and Certificates and the General Rules of the College shall apply to all students of the Faculty.

The Rules for various qualifications offered within the Faculty, although appearing separately in different parts of the handbook, shall be regarded as part of the College rules and shall have equal force.

FHEL 1 English Language Development

(a) Every candidate admitted to study for an entry-level degree in the Faculty shall, before commencement of the academic programme, write a prescribed English Language Placement Test;

(b) Candidates who fail the test shall include ELDV100WB: *English Language Development* in their first-year curriculum, and

(c) Candidates who pass the test shall include such other module as is specified by the rules/curriculum of the programme concerned.

FHEL 2 Professional registration
Where a Professional Body which is recognised by the Senate and the Council requires professional registration of all students in its discipline, such registration shall be condition of study and shall take place by such time and in such manner as the relevant School directs. Rule GR9b applies.

FHEL 3 Attendance and performance requirements ('DP')
Rules GR16 and GR17 shall apply.
Specific Duly Performed (DP) requirements shall be published in the Module Guidelines within the Hand Book entry for that Discipline, failing which, a Duly Performed certificate will be issued provided that the Continuous Assessment Mark (CAM) is greater than or equal to 40%.

FHEL 4 Subminimum in examinations
The required subminimum for an exam, or component of an exam, shall be published in the Module Guidelines within the Hand Book entry for each Discipline. A student who does not achieve the required exam (or exam component) subminimum as specified, and achieves a final mark of greater than or equal to 50% shall be eligible for a supplementary examination in that module for the specific exam period only.

FHEL 5 Compulsory Hepatitis Vaccination
All students registering in the Faculty of Health Sciences for the first time shall provide proof of successful vaccination against HEPB by the end of their first year on campus. There shall be no further registration without such proof, as provided for in Rule GR9b.

FHEL 6 Time Table Clashes and Concurrent Registration
Save in exceptional circumstances and with express permission of the Dean, no student shall be allowed to register for modules where known timetable clashes exist. If a timetable clash is identified after registration, the student will have to de-register the 'higher level' module in favour of the 'lower level' module.

School of Dentistry

Westville campus

Rules for programmes in the School of Dentistry
Note
The following rules must be read in conjunction with the general rules of the Faculty of Health Sciences (see Appendix B), the general rules of the College of Health Sciences (Appendix A), and the General Academic Rules for Degrees, Diplomas and Certificates of the University. It is also necessary to refer to the entries in this handbook for the individual modules constituting the curriculum for a qualification, since these will contain essential information concerning prerequisite requirements, DP requirements, examinations, and the like. The Rules appearing below must be regarded as part of the College rules and have equal force.

University Diploma in Oral Health
Note on Selection.
College Rules HS3 & HS6 shall apply in addition to - for South African matriculants, *Biology* will be a required subject, with a pass of a D at the higher grade or a C at the standard grade. For candidates with other forms of school-leaving certificate, equivalent preparation to the above will be considered.

DENT1 English placement test *(to be read with Faculty Rule FHEL1)*
All candidates registering within the School must write this test. If a student does not pass this test, he/she must register for the course **ELDV100WB** English Language Development. Candidates who pass the English placement test shall include in their first-year curriculum any one of the following modules: **ISTN100W2** – End User Computing, **ZULN101WB** - Basic isiZulu Communication Skills, **ZULM103WB** - Intermediate Zulu. Students will only be allowed to register for these courses provided that the time-table permits it.

DENT2 First-Aid Certificate
Every student shall present a certificate in First Aid from an accredited provider before being permitted to register into the second semester of the second year of the Programme.

DENT3 Due performance *(to be read with Faculty Rule* **FHEL3***)*
Faculty Rule FHEL3 shall apply, and unless the student is specifically excused by the Head of the School or an authorised member of staff from a particular class or meeting, attendance at 100% for practical and clinical sessions in all modules is compulsory, 100% attendance at lectures in all clinical and all preclinical modules is compulsory. Non-clinical modules require an attendance of at least 80%. Failure to achieve the prescribed attendance will result in refusal of a DP. A sub-minimum of 45% in the final examination for all clinical and pre-clinical modules will apply.

Note: It should be noted that all attendance in community-based clinics arranged by the programme, and participation in outreach activities, are compulsory.

DENT4 Curriculum for the University Diploma in Oral Health
The curriculum for the University Diploma in Oral Health comprises modules approved by the Board taken over a period of four semesters and having a total credit value of not less than 256 and not more than 288. Except as provided in Rule DENT1, all modules in the curriculum shall be compulsory. *(See Table DENT-A.)*

DENT5 Sustained competence
A student, who for a year or more has undertaken no clinical work in a prerequisite clinical module, may be required to pass a test on the work of that prerequisite module, or otherwise produce evidence of sustained competence in the work of the prerequisite module, in order to register for the succeeding module.

DENT6 Curriculum for the Bachelor of Dental Therapy
The degree curriculum, which shall be approved by the Board from time to time, shall extend over six semesters of full-time study, and shall comprise modules with a total credit value of not less than 384 and not more than 432. Except as provided in Rule DENT1, all modules in the curriculum shall be compulsory. *(See Tables DENT-A and DENT-B.)*

NOTE: A student who is prevented from proceeding to level-2 or level-3 studies in a module which has a clinical module as prerequisite may be advised to undertake clinical work to the satisfaction of the Head of School in that preceding clinical module in order to maintain the necessary level of clinical competence.

NOTE: Equipment for Clinical and Preclinical
It is compulsory for all students for first registration into the Bachelor of Dental Therapy and the Diploma in Oral Health programmes to purchase their own instruments in certain departments. The departments will issue a list of these instruments.

Bachelor of Dental Therapy
Admission
College Rules HS3 & HS6 shall apply in addition to - for South African matriculants, *Biology* will be a required subject, with a pass of a D at the higher grade or a C at the standard grade. For candidates with other forms of school-leaving certificate, preparation equivalent to the above will be expected.

Further rules
Rules DENT1, DENT2, DENT3, DENT4, and DENT5 shall apply to the Bachelor of Dental Therapy programme as well.
The contraction OSCE stands for *Objective Structured Clinical Examination*.

Curriculum for Bachelor of Dental Therapy & Diploma in Oral Health			
CODE	**NAME OF MODULE**	**CRD**	**SEM**
Level 1			
SOWK111WI	Psychosocial Orientation for Health Care	16	1
ANAT105WI	Introduction to Anatomy and Neuroanatomy	16	1
HPHS111WI	General Basic Physiology	16	1
DENT113W1	Oral Biology – Structures	8	1
ANAT106W2	Anatomy of the Head, Neck and Back	8	2
DENT112W2	Oral Biology – Embryology and Physiology	8	2
DENT114W2	Cariology, Periodontology and Prevention - preclinical	16	Year
HLSC116W2	Community Studies	16	2
DENT122W2	Radiography and Photography – Preclinical Practice	8	2
DENT110WY	Academic Skills and Clinical Practice	8	Year

for students who fail the English Placement Test – See FHEL2			
ELDV100WB	English Language Development *	16	1 & 2
for students who pass the English Placement Test ONE of the following:			
ISTN100W2	End User Computing	16	2
ZULN101WB	Basic isiZulu Communication Skills	16	1 & 2
ZULM103WB	Intermediate Zulu	16	1 & 2
	TOTAL CREDITS FOR LEVEL 1	***136***	
Level 2			
DENT213W1	Community Oral Health (Epidemiology/Promotion)	8	1
DENT219W1	General Pathology and General Microbiology	8	1
DENT223W1	Radiography – Preclinical Practice	8	1
DENTT211WY	Cariology, Periodontology and Prevention – Clinical Practice	24	Year
DENT228WY	Diagnostics, Infection Control & Specialities	8	1
DENT217WY	General Medicine and Special Patients	24	Year
DENT221WY	Oral Medicine, Oral Pathology and Clinical Pharmacology	24	Year
DENT214W2	Community Oral Health (Ethics, Law, Practice)	8	1
DENT224WY	Minor Oral Surgery – Theory and Local Anaesthesia	8	Year
DENT 226W2	Radiography – Techniques and Clinical Practice	8	2
DENT 216WY	Restorative Dentistry and Dental Materials – Preclinical	8	Year
	TOTAL CREDITS FOR LEVEL II DENTAL THERAPY	***136***	
DENT227WY	Oral Hygiene Clinical Practice (ORAL HEALTH ONLY)	8	Year
	COMPLETED DIPLOMA IN ORAL HEALTH	***280***	
Level 3			
CURRICULUM FOR BACHELOR OF DENTAL THERAPY			
DENT 313WY	Restorative Dentistry and Dental Materials – Clinical	48	Year
DENT 315WY	Diagnostics and Radiology	24	Year
DENT 317WY	Minor Oral Surgery	48	Year
DENT 318WY	Medical Emergencies and Clinical Pharmacology	8	Year
	TOTAL CREDITS:	***128***	
	TOTAL CREDITS FOR BACHELOR OF DENTAL THERAPY	***400***	

School of Medical Sciences

Westville campus

Programmes & qualifications:

Bachelor of Medical Science in Anatomy
Bachelor of Medical Science Honours in Anatomy
Master of Medical Science in Anatomy
Doctor of Philosophy

Bachelor of Medical Science in Anatomy

Program Description

The purpose of this degree is to offer a unique programme in health sciences that allows a choice of career after graduation requiring core knowledge of anatomy. Introductory courses in biochemistry and microbiology are also given, as well as ancillary utility electives such as Mathematics, Psychology and Communication skills. Opportunities for graduates exist in medical institutions, research units and tertiary educational institutions and in the food and pharmaceutical industries.

Bachelor of Medical Science Honours in Anatomy

Programme Description:

This one-year program is designed to equip graduates in Human Anatomy with advanced knowledge and current trends in the Discipline. They also acquire training and skills in specialised research techniques. The research project component of this programme introduces the student to research methods and requires him/her to conduct supervised research in selected specialities in the field of Human Anatomy. Acquiring this qualification could enhance the employment opportunities of this graduate.

Master of Medical Science in Anatomy

This programme leads to a masters degree by research dissertation under the guidance of a supervisor. It will prepare a scientist and academic in the field of anatomy, with an integrated knowledge of the broad field of Anatomy or Physiology, which can lead to career paths in industry, research or academic fields.

Doctor of Philosophy

This is a programme leading to a doctoral degree by research thesis under the guidance of a supervisor. It will prepare a scientist and academic who can initiate and conduct independent research, write publications and supervise postgraduate student in the field of specialisation.

Rules for programmes in the School of Medical Sciences

Discipline: Clinical Anatomy

Bachelor of Medical Science in Anatomy

Note on Selection for the Bachelor of Medical Science in Anatomy.

College rule HS6 shall apply. For South African matriculants, *Mathematics, Biology/Physiology* and *Physical Science* will be required subjects, with passes in these subjects of an E at the higher grade or a D at the standard grade being minimum requirements. A pass in a life science will be regarded as an advantage. For candidates with other forms of school-leaving certificate, achievements equatable to the above will be considered.

SCMS1 English placement test *(to be read with Faculty Rule FHEL1)*
Candidates who pass the English placement test shall include such other module or modules with a total credit value of 16 as approved by the Board. *(See Table SCMS-C for presently approved electives)*

SCMS2 Curriculum for the Bachelor of Medical Science in Anatomy *(see Table SCMS-A)*
The degree curriculum, which shall be approved by the Board from time to time, shall extend over six semesters of full-time study and shall comprise modules with a combined credit value of not less than 128 at each of levels 1, 2 and 3, and a total for the entire degree of not more than 432 credits.

(a) The curriculum of every student shall include modules of at least 112 credits in anatomy at level 2 or above, of which at least 64 shall be at level 3.

Bachelor of Medical Science Honours in Anatomy

SCMS3 Admission *(to be read with College Rule HS24)*
To be eligible to apply to register for the degree a candidate must either

(a) be in possession of a Bachelor of Science degree from the University with a life science major or be admitted by the Senate to the status of such degrees in terms of Rule GR7(a); or

(b) be in possession of a Bachelor of Medical Science degree from the University with a mark of 60% or better in a human anatomy module at level 3 or 4 or be admitted by the Senate to the status of such degrees in terms of Rule GR7(a); or

(c) have attained a level of competence defined in Rule GR7(b).

Eligible applicants shall be subject to selection, and Rule HS24(b) shall apply.

SCMS4 Curriculum for the Bachelor of Medical Science Honours in Anatomy *(see Table SCMS-B)*
The degree curriculum, which shall be approved by the Board from time to time, shall extend over two semesters of full-time study, and shall comprise modules with a total credit value of 128, and shall include a research project module with a credit value of 48.

Curriculum for Bachelor of Medical Science in Anatomy – SCMS A			
Code	**Name of Module**	**Cred**	**Sem**
Level 1			
CHEM110W1	General Principles of Chemistry	16	1
BIOL103W1	Introductory Biology for Health Sciences	16	1
PHYS131W1	Intro Physics for Life Sciences & Agriculture	16	1
CHEM120W2	Chemical Reactivity	16	2
BIMI120W2	Introductory Biochemistry	16	2
PHYS132W2	Electro Magnetism & Modern Physics for Life Sciences	16	2
ELDV100WB	English Language Development[1] *or one of the following*:	16	1,2

[1] See Rule SCMS1. This module must be taken by students who have failed the *English Placement Test.* Students who have passed the Test must choose one of the modules *Basic Zulu Communication Skills*, *Mathematics for Life Sciences* or any other module/s ,provided that there is an even spread of modules over the semesters and the total credit points are 128, in the place of the English language development module.

Students who pass English Placement Test to select one of:			
ZULN101WB	Basic Zulu Communication Skills	16	1,2
MATH133W1	Mathematics & Statistics for Natural Sciences	16	1
PSYC101W1	Introduction to Psychology A	16	1
	Total credits: level 1	**128**	
Level 2			
BIOC201W1	Introduction to Biomolecules	16	1
ANAT213W1	Introduction to Anatomy & Neuroanatomy	24	1
ANAT212W2	Anatomy of the Head, Neck & Back	32	2
BIOC202W2	Bioenergetics and Integrated Metabolism	16	2
Elective module(s) at level 2(E.g. Microbiology, Physiology, Zoology, Pharmacology) chosen by student subject to approval by Programme Director.		48	1, 2
	Total credits: level 2	**144**	
Level 3			
ANAT311W1	Anatomy of the Upper & Lower Limbs	32	1
ANAT312W2	Anatomy of the Trunk & Embryology	32	2

Elective module(s) at level 3 chosen by student subject to approval by Programme Director. Examples: Level 3 Biochemistry, Microbiology, Physiology, Zoology or Pharmacology modules.		64	1, 2
	Total credits: level 3 **Total credits for degree**	**128** **392**	

Curriculum for Bachelor of Medical Science Honours in Anatomy – SCMS B			
Code	**Name of Module**	**Cred**	**Sem**
ANAT711WY	Anatomical Research Methodology and Specialised Techniques	32	year
ANAT712WY	Advanced Topics 1	16	year
ANAT713WY	Advanced Topics 2	16	year
ANAT714WY	Research Project	64	year
	Total credits	**128**	

Curriculum for Master of Medical Science in Anatomy	
Code	**Name of Module**
ANAT8FY	Masters research in Anatomy
ANAT8SY	Masters research in Anatomy Subsequent Year

Curriculum for Doctor of Philisophy - Anatomy	
Code	**Name of Module**
ANAT9FY	PhD research in Anatomy
ANAT9SY	PhD research in Anatomy Subsequent Year

Discipline: Medical Biochemistry

Medical School

Programmes & qualifications:
Bachelor of Medical Science Honours - Medical Biochemistry
Master of Medical Science - Medical Biochemistry
Doctor of Philosophy in Health Sciences - Medical Biochemistry

Bachelor of Medical Science Honours in Medical Biochemistry
Programme Description:
This one-year programme extends the knowledge and understanding of the graduate learner in Medical Biochemistry to an advanced level and introduces him or her to the research milieu in life sciences. The candidate must complete 3 modules and one research project over 2 semesters of full time study.

Master of Medical Science in Biochemistry
This programme leads to a masters degree by research dissertation under the guidance of a supervisor.

Doctor of Philosophy in Medical Biochemistry
The required research and dissertation is carried out by the candidate under direct supervision of a member of the graduate faculty. The programme requires the candidate to initiate independent research in a field of specialisation supported by the department and should culminate in publication. The researcher should also supervise postgraduate students in the field of specialisation. The successful candidate may complete the degree on a full- or part-time basis.

Bachelor of Medical Science Honours in Medical Biochemistry
SCMS9 Admission *(to be read with College Rule HS24)*
To be eligible to apply to register for the degree a candidate must either
(a) be in possession of a Bachelor of Science degree from the University with a credit-weighted average mark in the final year of 65% or more, and with majors in Cell Biology and one of Microbiology, Immunology, Biochemistry or Physiology; or be admitted by the Senate to the status of such degree in terms of Rule GR7(a); or
(b) be in possession of a Bachelor of Medical Science degree from the University with a credit-weighted average mark in the final year of 65% or better; or be admitted by the Senate to the status of such degree in terms of Rule GR7(a); or
(c) have attained a level of competence defined in Rule GR7(b).

Eligible applicants shall be subject to selection, and Rule HS24(b) shall apply.

SCMS10 Curriculum for the Bachelor of Medical Science Honours in Medical Biochemistry (see Table SCMS-E)
The degree curriculum, which shall be approved by the Board from time to time, shall extend over two semesters of full-time study, and shall comprise modules with a total credit value of 128, and shall include a research project module with a credit value of 48. *(Table SCMS-E)*

Curriculum for Bachelor Medical Science Honours – Medical Biochemistry – SCMS E			
Code	**Name of Module**	**Cred**	**Sem**
HMBC7MB	Molecular Biology and Research Methodology	32	1
HMBC7ET	Environmental Toxicology	16	2
HMBC7PM	Principles of Metabolism	16	2
HMBC7LP	Laboratory-based Research Project	64	year
	Total credits	**128**	

Curriculum for Master of Medical Science in Biochemistry	
Code	**Name of Module**
HMBC8F1	Masters research in Medical Biochemistry (full time)
HMBC8FS	Masters research in Medical Biochemistry Subsequent Year (full time)

Curriculum for Doctor of Philisophy – Medical Biochemistry	
Code	**Name of Module**
HMBC9DY	PhD research in Medical Biochemistry
HMBC9SY	PhD research in Medical Biochemistry Subsequent Year

Discipline: Human Physiology

Programmes & qualifications:

Bachelor of Medical Science in Human Physiology
Bachelor of Medical Science Honours in Human Physiology
Master of Medical Science in Human Physiology
Masters of Medical Science in Sports Medicine
Doctor of Philosophy

Bachelor of Medical Science in Human Physiology

Program Description

This three-year programme involves an in-depth study of how the human body functions. The student will acquire knowledge in the sub-cellular, cellular and whole-body mechanisms by which the human organism survives and interacts within its environment, both in health and disease. The student will acquire skills that will enable him or her to observe, investigate, demonstrate and report in accordance with the scientific method, on aspects of body function using human, animal and computer models. Career opportunities for graduates exist in medical, pharmaceutical and biological research laboratories, the food and beverage industries and in the education sector, including schools, technikons and universities.

Bachelor of Medical Science Honours in Human Physiology
Programme Description:
This one-year programme introduces the graduate learner in Human Physiology to the research milieu in life sciences and is designed to equip the student with advanced knowledge and familiarity with current trends in the discipline. The programme entails both advanced coursework and a research project. The research component of this programme introduces the student to research methods and requires him/her to conduct supervised research in selected specialities in the field of Human Physiology. Acquiring this qualification could enhance the employment opportunities of this graduate.

Master of Medical Science in Human Physiology
This programme leads to a masters degree by research dissertation under the guidance of a supervisor. It will prepare a physiology scientist and academic with an integrated knowledge of the broad field of physiology and pathophysiology which can lead to career paths in industry, research or academic fields.
Doctor of Philosophy
This is a programme leading to a doctoral degree by research thesis under the guidance of a supervisor. It will prepare a scientist and academic who can initiate and conduct independent research, write publications and supervise postgraduate student in the field of specialisation.

Rules for programmes in the School of Medical Sciences
Bachelor of Medical Science in Human Physiology

Note on Selection for the Bachelor of Medical Science in Human Physiology.
College rules HS4 & HS6 shall apply. For South African matriculants, *Mathematics* and *Physical Science* will be required subjects, with passes in both subjects of an E at the higher grade or a D at the standard grade being minimum requirements. A pass in a life science will be regarded as an advantage. For candidates with other forms of school-leaving certificate, achievements equatable to the above will be considered.

SCMS5 English placement test *(to be read with Faculty Rule FHEL1)*
Candidates who pass the English placement test shall include such other module or modules with a total credit value of 16 as approved by the Board.

SCMS6 Curriculum for the Bachelor of Medical Science in Human Physiology *(see Table SCMS-C)*
(a) The degree curriculum, which shall be approved by the Board from time to time, shall extend over six semesters and shall comprise modules with a total credit value of not less than 384 and not more than 432.
(b) The curriculum of every student shall include modules of at least 112 credits in physiology at level 2 or above, of which at least 64 shall be at level 3.

(c) Elective modules at level 3 shall be chosen, subject to the approval of the Board, from subject areas which are regarded by the Board as being suitable for a degree in physiology. *(Microbiology, Biochemistry or Zoology, will be regarded as suitable subject areas.)*

Bachelor of Medical Science Honours in Physiology

SCMS7 Admission *(to be read with College Rule HS24)*

To be eligible to apply to register for the degree a candidate must either

(a) be in possession of a Bachelor of Science degree from the University with a life science major with an average mark of 60% or better in level 3 physiology modules or be admitted by the Senate to the status of such degrees in terms of Rule GR7(a); or

(b) be in possession of a Bachelor of Medical Science degree from the University with an average mark of 60% or better in a human physiology modules at level 3 or be admitted by the Senate to the status of such degrees in terms of Rule GR7(a); or

(c) have attained a level of competence defined in Rule GR7(b).

Eligible applicants shall be subject to selection, and Rule HS24(b) shall apply.

SCMS8 Curriculum for the Bachelor of Medical Science Honours in Human Physiology *(see Table SCMS-D)*

The degree curriculum, which shall be approved by the Board from time to time, shall extend over two semesters of full-time study, and shall comprise modules with a total credit value of 128, and shall include a research project module with a credit value of 48.

Table SCMS-C Core Curriculum for BMedSc in Physiology

Code	Name of Module	Cred	Sem
Level 1			
CHEM110W1	General Principles of Chemistry	16	1
BILO103W1	Introductory Biology for Health Sciences	16	1
PHYS131W1	Intro Physics for Life Sciences & Agriculture	16	1
CHEM120W2	Chemical Reactivity	16	2
BIMI120W2	Introductory Biochemistry	16	2
PHYS132W2	Electro Magnetism & Modern Physics for Life Sciences	16	2
ELDV100WB	English Language Development [1]	16	1,2

[1] This module must be taken by students who have failed the *English Placement Test*. Students who have passed the English placement test may choose 2 electives to the value of 16 credit points each.

	Total credits: level 1	**128**	

Level 2			
BIOC201W1	Introduction to Biomolecules	16	1
HPHS231W1	Foundations of Physiology	32	1
BIOC202W2	Bioenergetics and Integrated Metabolism	16	2
HPHS232W2	Cardiorespiratory and Renal Physiology	32	2
Elective module(s) at level 2(E.g. Microbiology or Zoology) chosen by student subject to approval by Programme Director.		48	1,2
	Total credits: level 2	**144**	
Level 3			
HPHS331W1	Neuroendocrine Physiology	32	1
HPHS332W2	Human Genetics and Applied Physiology	32	2
Elective module(s) at level 3 chosen by student subject to approval by Programme Director. Examples: Level 3 Biochemistry, Microbiology or Zoology modules .		64	1,2
	Total credits: level 3	**128**	
	Total credits for degree	**400**	

Curriculum for Bachelor of Medical Science Honours Physiology – SCMS D			
Code	**Name of Module**	**Cred**	**Sem**
HPHS710W1	Ancillary Research Techniques in Physiology	16	1
HPHS701W1	Specialised Physiological Techniques	16	1
HPHS711W1	Integrative Physiology	16	1
HPHS721W2	Applied Physiology	16	2
HPHS731W2	Pathophysiology	16	2
HPHS741WY	Physiology Honours Research Project	48	Year
	Total credits	**128**	

Curriculum for Master of Medical Science Physiology	
Code	**Name of Module**
HPHS8FY	Masters Research in Physiology
HPHS8SY	Masters Research in Physiology Subsequent Year

Curriculum for Doctor of Philosophy - Physiology	
Code	**Name of Module**
HPHS9FY	PhD Research in Physiology
HPHS9SY	PhD Research in Physiology Subsequent Year

School of Nursing

Howard College Campus

School of Nursing
The Schools in the Faculty offer integrated and highly structured undergraduate and postgraduate programmes most of which lead to professional qualifications.

The School of Nursing offers a range of qualifications for the training of nurses, nurse educators, and nurse administrators. Some of the programmes offered by the School are available off-campus and are delivered in open-learning form.

Open Learning
Open Learning provides for flexible learning opportunities for people in full-time employment or who live at a distance from the University campuses. Open Learning is a study programme that combines study materials with tutor support sessions. This means that study material for the course is given to the student who works at his or her own time and place. The tutor supported class group sessions are held on Saturdays or during other negotiated times, at the regional meeting venues, so even rural students can participate. At these sessions the student has the opportunity to receive assistance from the tutors and to interact with other course participants. The student can choose a study programme according to individual needs within a tutor supported framework.

Rules for programmes in the School of Nursing
General Rules
NURS1 Practical Training
Candidates shall complete, within the specified time, the practical training as prescribed by the School of Nursing to comply with the registration requirements of the South African Nursing Council.

NURS2 Practical Examination
Practical examinations which are a part of nursing modules have to be passed separately. If a candidate fails the practical part of the examination, a supplementary examination may be allowed for this section.

NURS3 S A Nursing Council
The curriculum of candidates shall meet the requirements of the South African Nursing Council.

NURS4 Due performance *(cf College Rule HS13 & of Faculty Rule FHEL 3)*
(a) For modules taken in the Nelson R Mandela School of Medicine, candidates must obtain a class record mark of at least 40% to qualify for a DP certificate.

(b) For modules taken in the School of Nursing, candidates must attend at least 75% of all classes and 100% in the clinical setting (unless excused) in order to qualify for a DP certificate.

NURS5 Examinations *(cf College Rules HS17)*

(a) An oral examination may form an integral part of the examination for all candidates in any module in any subject.

(b) Supplementary examinations may be granted in all modules other than Honours projects and postgraduate degree research reports failed with a mark between 40 - 48%.

(c) Students in a master's degree who fail a coursework module on first registering for it will have one further opportunity to repeat the module. Students, who fail a module that is not compulsory, may register for an alternative module approved by the Programme Director if such a module is available.

NURS6 Academic Exclusion (cf College RuleHS 20 &HS 21)

(a) Students who are considered by the Board to be unable to profit from continued registration for a degree in the Faculty will not be allowed to re-register for that degree.

(b) Students in undergraduate programmes who do not maintain the rate of progress reflected in the following table shall be excluded from the University in terms of Rule GR30. The Senate may suspend such exclusion for a defined period subject to the attainment of specified goals.

(c) In applying exclusion rules, only those modules prescribed for the curriculum shall be considered when making decisions about exclusion.

Number of semesters completed	Number of credits towards degree	
	Full-time students 3-year curriculum	Full-time students 4-year curriculum
2	64	64
4	128	128
6	224	224
8	**320**	**320**
10	**Degree complete**	**384**
12		Degree complete

NURS7 Other Exclusions (See also College Rule HS22)

(a) Candidates deemed by the Board to be unsafe practitioners based on repeated (twice) failure of practical examinations or tests, or unreliability in the clinical service settings, may, after a written warning, be excluded from the programme.

(b) A written warning shall be given to a candidate:

(i) who is unable to be in a clinical setting at the stipulated time without informing the relevant service and supervisor prior to the onset of this clinical period or without an adequate reason.

(ii) who is found to be inadequately prepared to render safe nursing care in a clinical setting. The candidate shall be asked to leave the setting to obtain the required knowledge and skills.

(c) Candidates will be required to complete all assignments and projects during their clinical placements, whether these count towards a year or exam mark or not. If all requirements are not met, students will get an 'incomplete' recorded against this module.

Bachelor of Nursing: BN

NURS8 Eligibility

Applicants must have matriculation exemption to be eligible for selection *(College Rule HS3)*. Eligible applicants will be subject to selection.

Note: Applicants will normally need to have obtained at least 32 points on the matriculation scale or as may be approved by the faculty, in order to be considered for admission. They will also be required to complete a health questionnaire.

NURS9 Duration andCurriculum

(a) This degree shall extend over not less than 8 semesters or 4 years.

(b) Candidates shall obtain at least 512 credit points to qualify for the degree provided that every candidate shall:

(i) Complete the prescribed modules in Human Anatomy, Physiology, Special Science and Pharmacology (96 credits). Candidates must pass the Physiology modules in order to be admitted to the 4th year of the Programme;

(ii) complete at least 128 credits from non-nursing modules, as approved by the Head of the School, of which at least 32 credits shall be from level-2 social science modules;

(iii) complete a total of 40 hours learning Zulu in the language laboratory, by the end of the second semester in first year, if the candidate's home language is not from the Nguni group of languages;

(iv) take Nursing 1, 2, 3 and 4, and Nursing Research, Unit Management and Primary Health Care. (272 credits).

(c) Courses which fall outside of the prescribed curriculum may only be taken with the permission of the Head of School.

The approved curriculum for the BN is given in Table NURS-A.

Table NURS-A: Approved curriculum for Bachelor of Nursing (2005) *year 1*		
NURS100H0	Fundamental Nursing	32
MAN1NUY	Human Anatomy	32
MPH1NUM	Introductory Physiology for nursing	16
	Special Science	16
	Elective 1 (Soc Sc)	16
	Elective 2 (Soc Sc)	16
	Elective 3 (Soc Sc)*	16
Total credits in year 1: 128 or 144		

*Note: Students may do elective 3 in year 1 or leave it for year 2. By the end of their second year, however, students must have done all eight electives, and two of them must be at level 2.

year 2		
NURS230	Preventive & Promotive Health	32
MPH2NUM	Physiology themes for nursing	16
	Elective 3 (Soc Sc)*	16
	Elective 4 (Soc Sc)	16
	Elective 5 (Soc Sc)	16
	Elective 6 (Soc Sc)	16
	Elective 7 (Soc Sc) level 200a	16
	Elective 8 (Soc Sc)level 200b	16
Total credits in year 2: 144 or 128		
year 3		
NURS301	Nursing 301: General Nursing	48
NURS313	Administration in Nursing Units	8
NURS331	Nursing 302: General Nursing	40
NURS308	Research in Nursing	16
TAMM21N	Pharmacology for Nurses	16
Total credits in year 3: 128		
year 4		
NURS401	Psychiatric Nursing	48
NURS403	Primary Health Care	16
NURS405	Midwifery	48
Total credits in year 4: 112 Total credits for the degree: 512		

Bachelor of Nursing (Advanced Practice): BN (AdvPract)
(This degree is offered full time on campus, or through Open Learning - See Open Learning section under 'Information for Students').

NURS10 Eligibility
The degree is offered in a number of specialised streams *(see Rule NURS11 below).* Candidates must qualify to enter the degree programme, and also to enter the stream of their choice. Candidates for all four streams must also meet the university's requirements for undergraduate study *(Rule GR2 and also College Rules HS3, 4 – Appendix A).*

(a) Admission to the degree programme is only available to
nurses who are registered or enrolled with the SA Nursing Council and who have had relevant post-registration experience;
persons who have received a nursing qualification from another country who are not registered or are not registrable by the SA Nursing Council, but who, in the opinion of the Senate, hold qualifications equivalent to those demanded from general nurses in the Republic of South Africa.

(b) The requirements for entering the individual streams are as follows:
Advanced Clinical programmes: To qualify for entry into the advanced clinical programmes, the candidate must be a registered nurse* with the appropriate basic qualification. The candidate must also have completed a minimum of 3 months of clinical experience in the selected field of study.
Non-clinical Programmes: To qualify for entry into the non-clinical programmes namely Nursing Education and Nursing Management, the candidate must be a registered nurse* who is currently working or has previously worked for a minimum period of two semesters.
Comprehensive Clinical Programmes: To qualify for entry into the comprehensive clinical programme only registration or enrolment as a nurse or midwife* is required.

**but see (a) ii) above.*

NURS11 Duration and Structure of Curriculum

(a) The degree shall extend over not less than 6 semesters or 3 years of full-time study, or not less than 10 semesters or five years of part-time study.
(b) Candidates shall obtain at least 384 credit points to qualify for the degree.
(c) Candidate shall choose one of eight specialist streams and follow the approved curriculum for that stream. The approved streams, and curricula for 2008 in those eight streams are shown in Tables B1 – B8 below. The specialisation modules, which are not common to all eight streams at any level, shall total at least 64 credits in every specialised stream; they must be passed in order to have a qualification in that stream.

The Streams and their specialisation modules:

Table NURS-B1: **Approved curriculum for Bachelor of Nursing (Advanced Practice)** ***Stream 1:*** **Nursing Education** *year 1*		
NURS110	General Nursing 1a	32
NURS110	General Nursing 1b	32
	Elective 1	16
	Elective 2	16
	Elective 3	16
	Elective 4	16
Total credits in year 1: 128		

year 2		
NURS260	General Nursing 2a	32
NURS260	General Nursing 2b	32
NURS102	Principles & Methods of Teaching & Evaluation	16
NURS103	Theories of Learning for Health Professional	16
	Elective from inside or outside the school	32
Total credits in year 2: 128		
year 3		
NURS219	Nursing Philosophy	16
NURS217	Nursing Research Theory	16
NURS319	Nursing Research Project	32
NURS307	Facilitation of Recognition of Prior Learning	16
NURS221	Curriculum Development	16
NURS224	Issues in Health professional Education	16
NURS341	Managing Learning Organisations	16
Total credits in year 3 Total credits for the degree		128 384

Table NURS-B2:
Approved curriculum for Bachelor of Nursing (Advanced Practice) ***Stream 1:*** **Nursing Management**

year 1		
NURS110	General Nursing 1a	32
NURS110	General Nursing 1b	32
	Elective 1	16
	Elective 2	16
	Elective 3	16
	Elective 4	16
Total credits in year 1: 128		
year 2		
NURS260	General Nursing 2a	32
NURS260	General Nursing 2b	32
NURS130	Nursing Management 1	32
	Elective from inside or outside the school	32
Total credits in year 2: 128		

year 3		
NURS240	Nursing Management 2	32
NURS341	Managing Learning Organisations	16
NURS219	Nursing Philosophy	16
NURS319	Nursing Research Project	32
NURS217	Nursing Research Theory	16
NURS342	Evaluation of Health care programmes	16
Total credits in year 3 Total credits for the degree		128 384

Table NURS-B3:
Approved curriculum for Bachelor of Nursing (Advanced Practice) ***Stream 3:*** **Comprehensive Practice**

year 1		
NURS110	General Nursing 1a	32
NURS110	General Nursing 1b	32
	Elective 1	16
	Elective 2	16
	Elective 3	16
	Elective 4	16
Total credits in year 1: 128		
year 2		
NURS120	Mental Health Nursing 1	32
NURS262	Community Health Nursing 1	32
NURS260	General Nursing 2a	32
NURS260	General Nursing 2b	32
Total credits in year 2: 128		
Year		
NURS200	Mental Health Nursing 2	32
NURS262 B	Community Health Nursing 2	32
NURS219	Nursing Philosophy	16
NURS217	Nursing Research Theory	16
NURS319	Nursing Research Project	32
Total credits in year 3 Total credits for the degree		128 384

Table NURS-B4: **Approved curriculum for Bachelor of Nursing (Advanced Practice)** ***Stream 4:*** **Advanced Mental Health** *year 1*		
NURS110	General Nursing 1a	32
NURS110	General Nursing 1b	32
	Elective 1	16
	Elective 2	16
	Elective 3	16
	Elective 4	16
Total credits in year 1: 128		
Year 2		
NURS260	General Nursing 2a	32
NURS260	General Nursing 2b	32
NURS250	Advanced Mental Health Nursing 1	32
	Elective from inside or outside the school	32
Total credits in year 2: 128		
Year 3		
NURS310	Advanced Mental Health Nursing 2	32
NURS341	Managing Learning Organisations	16
NURS342	Evaluation of Health Programmes	16
NURS217	Nursing Research Theory	16
NURS219	Nursing Philosophy	16
NURS319	Nursing Research Project	32
Total credits in year 3 Total credits for the degree		128 384

Table NURS-B5: **Approved curriculum for Bachelor of Nursing (Advanced Practice)** ***Stream 5:*** **Oncology and Palliative Care** *year 1*		
NURS110	General Nursing 1a	32
NURS110	General Nursing 1b	32
	Elective 1	16
	Elective 2	16
	Elective 3	16
	Elective 4	16
Total credits in year 1: 128		
Year 2		
NURS260	General Nursing 2a	32
NURS260	General Nursing 2b	32
NURS205	Foundations of Oncology	16
NURS204	Oncological Conditions	16
	Elective from inside or outside Nursing	32
Total credits in year 2: 128		
year 3		
NURS330	Oncological and Palliative Nursing	32
NURS342	Evaluation of Health Care Programmes	16
NURS341	Managing Learning Organizations	16
NURS219	Nursing Philosophy	16
NURS217	Nursing Research Theory	16
NURS319	Nursing Research Project	32
Total credits in year 3 Total credits for the degree		128 384

Table NURS-B6: **Approved curriculum for Bachelor of Nursing (Advanced Practice)** ***Stream 6*** **: Advanced Midwifery and Neonatal Intensive-Care Nursing** *year 1*		
NURS110	General Nursing 1a	32
NURS110	General Nursing 1b	32
	Elective 1	16
	Elective 2	16
	Elective 3	16
	Elective 4	16
Total credits in year 1: 128		
year 2		
NURS260	General Nursing 2a	32
NURS260	General Nursing 2b	32
NURS233	Foundations of Neonatology	16
NURS235	Neonatal Nursing	16
	Elective from inside or outside Nursing	32
Total credits in year 2: 128		
year 3		
NURS300	Advanced Midwifery	32
NURS219	Nursing Philosophy	16
NURS342	Evaluation of Health Services	16
NURS341	Managing Learning Organizations	16
NURS217	Nursing Research Theory	16
NURS319	Nursing Research Project	32
Total credits in year 3 Total credits for the degree		128 384

Table NURS-B7: **Approved curriculum for Bachelor of Nursing (Advanced Practice)** ***Stream 7:*** **Critical Care and Trauma nursing** *year 1*		
NURS110	General Nursing 1a	32
NURS110	General Nursing 1b	32
	Elective 1	16
	Elective 2	16
	Elective 3	16
	Elective 4	16
Total credits in year 1: 128		

year 2		
NURS260	General Nursing 2a	32
NURS260	General Nursing 2b	32
NURS234	Trauma Nursing	16
NURS211	Critical Care Nursing A	24
	Elective	16
Total credits in year 2: 120		
year 3		
NURS212	Critical Care Nursing B	24
NURS303	Issues in Critical Care Nursing	16
NURS219	Nursing Philosophy	16
NURS217	Nursing Research Theory	16
NURS319	Nursing Research Project	32
NURS341	Managing Learning Organizations	16
NURS342	Evaluation of Health Systems	16
Total credits in year 3 Total credits for the degree		136 384

Table NURS-B8:
Approved curriculum for Bachelor of Nursing (Advanced Practice) ***Stream 8:*** **Primary Health Care Nursing**

year 1		
NURS110	General Nursing 1a	32
NURS110	General Nursing 1b	32
	Elective 1	16
	Elective 2	16
	Elective 3	16
	Elective 4	16
Total credits in year 1: 128		
year 2		
NURS260	General Nursing 2a	32
NURS260	General Nursing 2b	32
NURS231	Primary Care 1	32
	Elective from inside or outside nursing	32
Total credits in year 2: 128		

year 3		
NURS23	Primary Care 2	32
NURS341	Managing Learning Organizations	16
NURS342	Evaluation of Health Systems	16
NURS219	Nursing Philosophy	16
NURS217	Nursing Research Theory	16
NURS319	Nursing Research Project	32
Total credits in year 3 Total credits for the degree		128 384

Elective modules to compliment any of the eight Streams(tables B1 – B8)		
NURS101	Portfolio Development	16
NURS223	Advanced Clinical Practice	16
NURS201	Service Learning in Nursing	16
NURS311	International Nursing	16
NURS342	Evaluation of Health Care Programmes	16
NURS341	Managing Health Care Organisations	16
NURS207	Unit Management and teaching	16

NURS12 Exit Certificate
Candidates may exit the programme after two semesters with 128 credits and be awarded a Certificate in Nursing by the College, but must complete all the essential modules in the identified stream for registration purposes to enable the field of study/specialisation to be put in brackets. This is not a nationally registered qualification.

NURS13 Exit Diploma
Similarly as in NURS12 above, candidates may exit the programme after four semesters with 256 credits and be awarded a Diploma in Nursing by the College, with the field of study in brackets. This is not a nationally registered qualification.

Bachelor of Nursing Honours: BNHons
The Honours programme is at the same level as the fourth year of the professional degree. This programme will be maintained to cater for students from 3-year programmes and our own graduates who completed the BSocSc degree before Community Health and Psychiatric Nursing was incorporated. The programme requires the completion of six approved courses. Nursing Education and Administration is also offered at this level.

Entry requirements:
The course is open to students who have attained sufficiently high standard in the final undergraduate course in Nursing. Candidates are advised that at least two courses in two or more of the following are desirable prerequisites: *Psychology, Sociology, Social Anthropology; Industrial Sociology*.

NURS14 Eligibility
College Rules HS4 and HS6 and General University Rule HR2 shall apply. Candidates shall require a Bachelors degree in Nursing from the University, or admission by the Senate to the status of such degree in terms of General University Rule GR7 (a), or may be admitted in terms of General University Rule GR7 (b). Selection of eligible candidates shall require a high standard in the final undergraduate course in Nursing.
Note: It will be regarded as an advantage for applicants to have had at least two modules in at least two of the subject areas of Psychology, Sociology, Social Anthropology; or Industrial Sociology in their undergraduate curricula.

NURS15 Duration and Structure of Curriculum
The programme shall extend over at least two semesters and consist of a total of 128C.
The approved curriculum for BN honors is given in Table NURS-C below.

Table NURS-C: **Approved curriculum for Bachelor of Nursing Honours** (2005) *year 1*		
NURS708	Nursing Research*	16
NURS701	Philosophy of Nursing	16
NURS703	Research Project	32
And choose modules for 64 credits from:		
NURS710	Nursing Management 1	32
NURS700	Nursing Management 2	32
NURS720	Community Health Nursing	32
NURS704	Nursing Education 1	32
NURS709	Nursing Education 2	32
NURS712	Psychiatric Nursing	32
NURS705	Social Sciences Applied to Nursing	16
NURS707	Specialised Nursing	16
	Approved postgraduate module from other school	16
Total credits: 128		

* or approved research methods module from elsewhere

Master of Nursing: MN

NURS16 Eligibility *(see also Faculty Rule FHEL3)*

Candidates shall be eligible to apply to register for the degree of Master of Nursing

(a) if they hold a four-year Bachelors degree in Nursing from the University, and achieved a credit-weighted average mark of 65% or more in that degree; or

(b) if they hold an Honours degree in Nursing from the University and achieved a credit-weighted average mark of 60% or more in that degree; or

(c) if they are admitted by the Senate to the status of either such degree in terms of Rule GR7 (a) and achieved marks in the appropriate range.

Eligible candidates shall be subject to selection, and may be required to take an admission examination.

NURS17 Duration

The programme takes at least two semesters for full time students, and four semesters for part time students.

NURS18 Programme Options

A candidate for the degree of Master in Nursing - MN shall, subject to the approval of Senate:

(a) prosecute an approved line of research and present a dissertation based on that research, or

(b) attend, and by examination complete approved courses of advanced study together with a Research Project in the area of specialisation.

NURS19 Degree Structure

(a) A candidate proceeding under Rule NURS18 (a) shall register for a research project, namely: NURS8FY [F/T] or NURS8P1 [P/T] in year one, and NURS8SY [F/T] or NURS8P2 [P/T] in year two.

(b) A candidate proceeding under rule NURS18 (b) shall register for a total of 160 credits as follows (see Table NURS-D):

- One faculty research module (16 cred)
- A research project (80 cred), in NURS850 (semester 1) and NURS851 (semester 2).
- In case of a clinical Masters, for the core module (NURS822) (16 cred)
- Electives for the remaining credits required.

NURS20 Award cum laude

The award of the degree cum *laude or summa cum laude* shall be governed by College Rule HS28 (page..).

NURS21 Progression 1

Candidates failing modules with a combined credit rating of 32 or more shall be excluded from the programme. In exceptional cases, the School may, on the recommendation of the Programme Director and Head of School, allow such a student to continue.

Education Programme:
The nursing education degree is offered on a full-time basis only, although some modules can be taken on a part-time basis. Because the emphasis of this degree is teaching, students will be expected to spend one semester in the clinical laboratory teaching undergraduate nursing students and one semester will be spent facilitating problem-based learning groups. Furthermore, those students who intend to register their nursing education qualification with the South African Nursing Council (SANC) will have to complete practical hours stipulated by SANC and a practical workbook.

All Programmes
Part-time students do two to three modules during the first year, and the remaining one or two modules during the second year. The last six months should be spent on the research project. The modules available at the school are listed here. However, two modules may also be taken in another school in the Faculty of Human and Social Sciences or in the Masters in Public Health.

Table NURS-D: Approved curriculum for Master of Nursing (2005)		
Core modules- all streams:		
NURS822	Advanced Practice Nurse Role	16
	Research Project and dissertation	80
Further core modules: Critical Care and Trauma Nursing stream		
NURS802	Applied Critical Care Nursing	16
NURS815	Essentials of Critical Care Nursing	16
NURS825	Trauma Nursing and Life Support	16
Further core modules: Psychiatric/Mental Health Nursing		
NURS803	Advanced Psychiatric Skills	16
NURS809	Current Issues in Psychiatric Care	16
NURS814	Psychiatric Programme Management	16
Further core modules: Community Health Nursing		
NURS806	Community Health Nursing	16
PBHL8J1	Health Measurement 1 & 2	16
NURS821	Primary Care	16
Further core modules: Advanced Midwifery & Women and Child Health		
NURS801	Advanced Midwifery Skills	16
NURS804	Child and Adolescent Health	16
NURS827	Women's Health	16
Further core modules: Nursing Education		
NURS805	Community- and Problem-Based Education	16
NURS811	Education Administration	16

NURS819	Fundamentals of Education	16
NURS823	Progressive Educ for Health Professionals 1	24
NURS824	Progressive Educ for Health Professionals 2	24
Further core modules: Health Service Administration		
NURS807	Comparative Health Systems	16
NURS808	Evaluation of Health Care Systems	16
Further core modules: Nursing Research		
NURS831	Nursing Research and Nursing Research Methods	16
NURS816	Qualitative Research	16
PBHL8J1	Health measurement 1 & 2	16
Further (elective) modules(all streams):		
NURS801	Advanced Midwifery Skills	16
NURS804	Child and Adolescent Health	16
NURS805	Community- and Problem-Based Education	16
NURS816	Qualitative Research	16
	Total credits:	160

Nursing

DP Requirement: Rule NURS4(b) shall apply –candidates must attend at least 75% of all classes and 100% in the clinical setting, not counting those from which they have been officially excused.

School of Pharmacy and Pharmacology

Discipline: Pharmacy

Discipline: Pharmacology

Westville Campus

Rules for programmes in the School of Pharmacy & Pharmacology

Bachelor of Pharmacy

PHRM1 Curriculum for the Bachelor of Pharmacy

The degree curriculum, which shall be approved by the Board from time to time, shall extend over eight semesters and shall comprise modules with a total credit value of not less than 512 and not more than 576, of which at least 128 shall be at level 4. *(See table PHRM-A)* The student shall complete these modules with due regard to prerequisite and co-requisite requirements.

The student shall also attend practicals, wardrounds and externships to industry, community pharmacies, hospitals, primary heath care clinics, mobile clinics and the health train, and other facilities as are required by modules in the student's curriculum.

PHRM2 Due performance *(to be read with rules GR16, GR17 and FHEL3)*
Rules GR16, GR17 and FHEL3 shall apply, save that the attendance requirement for all discipline specific l fieldwork, tutorial classes, practical classes, ward rounds and externship visits shall be 100% except where the Head of School has specifically excused the student from a particular session.

PHRM3 Sustained competence
A student who for two years or more has undertaken no clinical work in the relevant previous modules in the same subject may be required to pass a test on the work of such previous modules, or otherwise produce evidence of sustained competence in the work of those modules, in order to register for the succeeding module.

PHRM4 Pharmacy Laboratory Safety Regulation
(a) All students using laboratory facilities in the School are required to comply with the laboratory safety policies and procedures as specified for/in each laboratory at all times.
(b) Failure to comply with 1 above, shall result in the student being denied access to the laboratory.

PHRM-A Curriculum for Bachelor of Pharmacy –

Code	Name of Module	Cred	Sem
Level 1			
CHEM110W1	General Principles of Chemistry	16	1
BIOL103W1	Introductory Biology for Health Sciences	16	1
MATH133W1	Mathematics & Statistics for Natural Sciences	16	1
PHYS131W1	Intro Physics for Life Sciences & Agriculture	16	1
CHEM120W2	Chemical Reactivity	16	2
HLSC116W2	Community Studies	16	2
ISTN100W2	End User Computing	16	2
PSYC332W2	Managing Health Behaviour	8	2
ZULN101WB	Basic Isizulu Language Studies A	16	1 & 2
	Total Credits for level 1	**136**	

[1] Candidates who fail the English Placement Test will register for the English Language Development Module (ELDV100WB) instead of ZULN101WB. Candidates who pass the English Placement Test can register for ZULN101WB or they can still register for ELDVI00WB or Advanced Zulu (ZULM103).

Level 2			
HPHS221W1	Homeostasis	16	1
ANAT101W1	Introduction to Anatomy and Neuroanatomy	16	1
PHRM211W1	Medicinal Chemistry I	8	1
PHRM241W1	Pharmaceutical Calculations I	8	1
PHRM213W1	Pharmaceutical Chemistry	8	1
PHRM221W1	Physical Pharmacy	8	1
HPHS222W2	Integration & Communication	16	2
PHRM232W2	Introduction to Pathology	8	2
PHRM212W2	Medicinal Chemistry II	8	2
PHRM222W2	Pharmaceutical Technology	16	2
PHRM202W2	Pharmacology I	16	2
PHRM214W2	Pharmaceutical Analysis I	8	2
	Total credits: Level 2	**136**	

Level 3			
PHRM321W1	Institutional Pharmaceutics	16	1
PHRM311W1	Medicinal Chemistry III	16	1
PHRM313W1	Pharmaceutical Analysis II	8	1
PHRM333W1	Pharmaceutical Care I	8	1
PHRM301W1	Pharmacology II	16	1
PHRM331W1	Pharmacy Logistics, Economics and Management	8	1
PHRM314W2	Applied Clinical Chemistry	8	2
PHRM332W2	Health Law and Ethics 1	8	2
PHRM316W2	Medicinal Chemistry IV	8	2
PHRM334W2	Pharmaceutical Care II	8	2
PHRM302W2	Pharmacology III	16	2
PHRM323W2	Sterile Products	8	2
	Total credits: Level 3	**128**	
Level 4			
PHRM421W1	Biopharmaceutics	16	1
PHRM431W1	Health Law and Ethics II	8	1
PHRM433W1	Pharmaceutical Care III	8	1
PHRM401W1	Pharmacology IV	16	1
PHRM422W2	Advanced Drug Delivery	8	2
PHRM442W2	Pharmaceutical Calculations II	8	2

PHRM434W2	Pharmaceutical Care IV	24	2
PHRM402W2	Pharmacology V	16	2
PHRM441WY	Research Project	24	year
	Total credits: Level 4 **Total credits for degree**	**128** **512**	

Curriculum for Master of Pharmacy - Research	
Module Code	**Name of Module**
PHRM8AY	Research Masters in Pharmaceutics
PHRM8BY	Research Masters in Pharmaceutics subsequent year
PHRM8CY	Research Masters in Pharmacy
PHRM8DY	Research Masters in Pharmacy subsequent year
PHRM8EY	Research Masters in Pharmacology
PHRM8FY	Research Masters in Pharmacology subsequent year

Curriculum for Doctor of Philosophy – Health Sciences	
Code	**Name of Module**
PHRM9AY	PhD Research in Pharmaceutics
PHRM9BY	PhD Research in Pharmaceutics subsequent year
PHRM9CY	PhD Research in Pharmacy
PHRM9DY	PhD Research in Pharmacy subsequent year
PHRM9EY	PhD Research in Pharmacology
PHRM9FY	PhD Research in Pharmacology subsequent year

Master of Medical Science

Programme Description

This is a degree by research dissertation only. It is awarded in the fields of Clinical Pharmacology and Health Systems Pharmacy. The relevant University Rules, General College Rules shall apply. The guided/supervised research process involves the formulation of a research question (related to one of the majors of the Pharmacy programme), literature review, the development of a research proposal, application for ethical clearance, application for funding, the research process using approved methodologies, the analyses of results and the culmination of the process in the form of a dissertation/thesis which includes an appropriate and relevant literature review, description of methodologies employed, analyses and discussion of results, conclusions and recommendations (where applicable).

Curriculum for Master of Medical Science - Pharmacology	
Code	**Name of Module**
PHRM8EY	Research Masters in Pharmacology
PHRM8FY	Research Masters in Pharmacology subsequent year

SCHOOL OF PHYSIOTHERAPY, SPORT SCIENCE & OPTOMETRY

Westville Campus

Discipline: Physiotherapy

Programmes in Physiotherapy

General information:

The Discipline of Physiotherapy provides the only education and training facility for Physiotherapy in the provinces of Kwa-Zulu Natal and the Eastern Cape. It offers programmes that are modularized and designed to accommodate a range of learners with diverse backgrounds, interests and abilities. The qualifications that it offers have both national relevance and international recognition.

As the only education and training facility for Physiotherapy in the province, the discipline has extensive access to clinical training facilities for general, specialized, and community practice.

The discipline has a well-equipped fully computerized research laboratory allowing for basic and clinical research in neuromuscular and cardiopulmonary fields.

Rules for programmes in Physiotherapy

Bachelor of Physiotherapy

Note on the rules

The following rules must be read in conjunction with the general rules of the Faculty of Health Sciences, the general rules of the College of Health Sciences, and the General Academic Rules for Degrees, Diplomas and Certificates of the University.

It is also necessary to refer to the entries in this handbook for the individual modules constituting the curriculum for a qualification, since these will contain essential information concerning prerequisite requirements, DP requirements, examinations, etc.

The Rules appearing below must be regarded as part of the College rules.

Note on application for admission

Application for admission as a Physiotherapy student in the first year of study shall be made on the prescribed university application form. An additional discipline specific application form obtained from the faculty office, must be completed.

Notes on Selection

College Rules HS3 & HS6 shall apply. Admission is by selection. To be eligible for selection, South African matriculants must have obtained a pass mark of at least an E on the higher grade or a D on the standard grade in the subjects Mathematics, Physical Science, and Human Physiology / Biology. Selection shall be based on academic achievement in the matriculation examinations and / or first year B. Sc results, together with an interview conducted by the discipline.

Notes on Interrupted Studies

(a) A student who wishes to re-enter the programme following a period of absence of two semesters or more may be required to pass a test or otherwise produce evidence of sustained competence in the work of pre-requisite modules, in order to register for the succeeding module.

(b) Rule HS12 (c) applies to clinical modules.

(c) An applicant who fails this assessment at the first attempt, shall be given a second assessment, which shall be final. Additional work may be prescribed for the applicant before the second assessment is attempted.

Note on unacceptable behaviour

College Rule HS22 places an obligation of acceptable behaviour on all students in the Faculty. A student may be excluded from the programme at any time on the grounds of unacceptable behaviour, which is considered by the Faculty Professional Conduct Committee to be inappropriate for Professional Practice.

Note on English placement test

Faculty rule FHEL1 shall apply. Candidates who pass the English Placement Test shall, in consultation with the designated representative of the school, select a module or modules with a total credit value of 16 points to include in his/her first year curriculum.

SCPS9 Due performance

To be read with Faculty Rule FHEL3 & College Rule HS13

Faculty Rule FHEL3 shall apply, in addition to the requirements specified by individual module entries in the programme.

SCPS10 Curriculum for the Bachelor of Physiotherapy

(a) The degree curriculum, which shall be approved by the Board from time to time, shall extend over eight semesters and shall comprise modules with a total credit value of not less than 512 and not more than 576, of which at least 128 shall be at level 4. *(See table PHTH-A)*

(b) If a student has failed one or more module(s), constraints may be placed on the number and choice of modules taken in subsequent semesters.

SCPS12 Examination

(a) The form of the final examination in a module shall be specified in the relevant module entry in the handbook.
(b) Rules FHEL 4, GR 27 and HS 18 applies.
(c) Each examination component (theory / practical/ clinical/ oral) of any physiotherapy examination must have a sub-minimum mark of 40%.

SCPS13 Clinical work

(a) Registration with the Health Professions Council of South Africa (HPCSA) is compulsory from the first year of study.
(b) A student is required to have completed at least 1000 hours of recorded service learning in the treatment of patients before being awarded the degree.

Table PHTH-A Curriculum for Bachelor of Physiotherapy – 2008

Code	Name of Module	Cred	Sem
Level 1			
PHTH101W1	Introduction to Physiotherapy Science	8	1
PHTH111W1	Kinesiology for Physiotherapy	16	1
BIOL103W1	Introductory Biology	16	1
PSYC101W1	Introduction to Psychology A	16	1
PHYS131W1	Physics for Life Sciences 1	16	1
PHYS132W2	Physics for Life Sciences 2	16	2
PHTH102W2	Massage and Manipulation	16	2
PSYC102W2	Introduction to Psychology B	16	2
PHTH104W2	Physiotherapy Selected Competency Skills	8	2
ELDV100WB	English Language Development[1]	16	Both
	ELECTIVE[2] ***Choose one of.***		
ZULN101W1	Basic isiZulu Communication skills	16	Both
ISTN100W2	End User Computing	16	2
	Total credits: level 1	**144**	
Level 2			
HPHS222W2	Integration & Communication	16	2
ANAT101W1	Introduction to Anatomy & Neuroanatomy	16	1
ANAT109W1	Anatomy of the Upper Lower Limbs	16	1
PHTH201W1	Kinesiology for Physiotherapy	8	1

PHTH203W1	Massage & Manipulation	8	1
PHTH212W2	Electrotherapy for Physiotherapy	8	2
PHTH211W2	Selected Competency Skills	8	2
PHTH207W2	Kinesiology for Neurology	8	2
PHTH208W2	Community Rehabilitation & Development Physiotherapy	8	2
HPHS221W1	Homeostatic Mechanisms in Human Body	16	1
ANA102W2	Anatomy of the Head, Neck and Back	8	2
ANA104W2	Anatomy of the Trunk and Embryology	8	2
	Total credits: level 2	**144**	
Level 3			
HLSC301W1	Clinical Sciences, (Medicine, Microbiology, Paediatrics, Neurology)	8	1
HLSC303W1	Clinical Sciences, (Medicine, General Surgery, Obstetrics & Gynaecology)	8	1
PHTH321W1	Electrotherapy for Physiotherapy	8	1
PHTH322W2	Physiotherapy in Orthopaedics and Sport	8	2
PHTH323W1	Kinesiology for Physiotherapy	8	1
PHTH361W2	Research Design	8	2
PHTH343WY	Physiotherapy Clinical Practice (Cardiopulmonary & Orthopaedic Conditions)	24	Year
PHTH345WY	Physiotherapy Clinical Practice (Neurological Conditions & Community Physiotherapy)	24	Year
PHTH326W1	Principles of Physiotherapy Practice in Rheumatology, Respiratory, Surgery & Gerontology	8	1
HLSC302W2	Clinical Sciences (Orthopaedics)	8	2
HLSC304W2	Clinical Sciences (Rheumatology, Occupational Health, Pharmacology & First Aid, CPR)	8	2
PYSC332W2	Managing Health Behaviour	8	2
PHTH327W1	Peripheral Manipulations for Physiotherapy	8	1
PHTH324W2	Principles of Physiotherapy Practice for Neurology	8	2
	Total credits: level 3	**144**	

Level 4			
PHTH401WY	Principles of Physiotherapy	16	Year
PHTH400WY	Physiotherapy Clinical Practice A	32	Year
PHTH410WY	Physiotherapy Clinical Practice B	32	Year
PHTH403W2	Physiotherapy Ethics & Practice Management	8	1
HLSC401W1	Clinical Science (Orthopaedics + Cardiothoracic Surgery)	8	1
HLSC402W2	Clinical Science (Pharmacology, ENT, Dermatology & Plastic Surgery)	8	2
PHTH404W2	Physiotherapy Clinical Elective	16	2
PHTH405WY	Physiotherapy Research	16	Year
	Total credits: level 4	**136**	
	Total credits for the degree	**568**	

Master of Physiotherapy (coursework)

Description of Degree Programme:
This is a masters degree by coursework and minor dissertation. It is taken over at least two years of part-time study.
Rules for the degree

SCPS14 Admission
(a) The following shall be eligible to apply for admission to the programme of study:
  (i) A Bachelor of Physiotherapy of the University or an applicant who has been admitted by the Senate to the status of this degree in terms of general College rule HS7(a)
  (ii) An applicant in terms of general College rule HS7(b).
(b) Applicants who are eligible in terms of a) shall be subject to selection.
(c) The admission of a candidate to the degree programme may be conditional upon certain prescribed modules being passed, prior to admission, in addition to the modules forming the normal curriculum for the degree.

SCPS15 Curriculum A candidate shall be registered for a minimum of two years, during the first of which he or she shall complete compulsory and elective coursework modules with a total credit value of 96, (Table PHTH-B), and complete a year of postgraduate clinical work in Physiotherapy; in the second year, he or she shall successfully complete a dissertation on a topic approved by the Senate, under the guidance of a supervisor approved by the Senate.

Table PHTH-B Curriculum for Master of Physiotherapy – Coursework 2008			
Code	**Name of Module**	**Cred**	**Sem**
PHTH807W1	Elements of Research	16	1
PHTH805W1	Principles of Measurement and Evaluation	16	1
PHTH800WY	Mini Thesis	96	year
	And one of the two modules:		
PHTH803W1	Biofunctional Analysis: Cardiopulmonary	16	1
PHTH801W1	Biofunctional Analysis: Neuromuscular	16	1
Elective modules: Candidates to choose two of the following and one further module at masters level from the Faculty of Health Sciences.			
PHTH808W2	Directed Reading	16	2
PHTH810W2	Contemporary issues in Geriatric Populations	16	2
PHTH802W2	Functional Assessment	16	2
PHTH804W2	Critical Analysis of Physical Agents	16	2
PHTH806W2	Independent Study	16	2
	Total credits:	**192**	

Master of Physiotherapy (Research dissertation)

Description of Degree Programme:

This is a research degree taken over a minimum period of two years of part-time study.

Admission The provisions of Rule SCPS14 shall apply.

SCPS16 Examination

The final assessment of the degree shall be the examination of a dissertation embodying the results of research conducted by the candidate. It may, at the discretion of the examiners, also include an oral examination.

Curriculum for Master of Physiotherapy by Research			
Code	**Name of Module**	**Cred**	**Sem**
PHTH8FY	Masters Research in Physiotherapy		Year
PHTH8SY	Masters Research in Physiotherapy Subsequent Year		Year

Discipline: Sport Science

Rules for programmes in Sport Science

Bachelor of Sport Science

The completion of this undergraduate programme leads to many specialized fields of study at the postgraduate level. Fields of specialization offered at this School are Exercise Science, Biokinetics, Recreation Management. These programmes are taught and researched at the Honours, Masters and Doctoral Levels.

Graduates from the programme will have opportunities in the fields of personal training, sports coaching, and management of health and wellness centres, as medical representatives for pharmaceutical companies and as recreation officers in the private and government sectors.

SCPS17 Admission General Faculty requirements shall apply. Eligible applicants shall be subject to selection, for which their performance in the matriculation examinations will be taken into account.
Note: For selection in 2008, applicants will be expected to have achieved at least 32 matriculation points.

SCPS18 English placement test Faculty Rule FHEL1 *(qv)* shall apply. Candidates who pass the English placement test shall include ZULN101W1 *Basic Zulu Communication Skills* **OR** ELDV100WB *English Language Development* in their first year curriculum. In the case of students who are fluent in isiZulu advanced isiZulu shall be taken.

SCPS19 Due performance
Faculty Rule FHEL3 and College Rules HS11 and HS13 shall apply.

SCPS20 Curriculum
The degree curriculum, which shall be approved by the Board, shall extend over six semesters and shall comprise modules with a total credit value of not less than 376 and not more than 476, with at least 104 credits at exit level. *(See table SPSC-A)*
The curriculum of every student shall include any two elective modules, either both be at level 1, or one at level 1 and the other a continuation of the first at level 2. These elective modules shall be chosen by the student and approved by the Head of the School. These modules must not clash with the Sport Science Modules.
Psychology may be taken at level 3 as an optional elective, provided the prerequisite modules in Psychology at levels 1 and 2 have been passed.
Note: The approved curriculum for 2008 is given in Table SPSC-A.

Table SPSC-A Curriculum for Bachelor of Sport Science (2008)			
Level 1			
Code	Name of Module	Cred	Sem
SSBR111W1	**History & Adapted Physical Education**	**16**	**1**
SSBR112W2	**Elements of Human Anatomy**	**16**	**2**
SSBR113W1	**Principles of Coaching & Conditioning**	**16**	**1**
SSBR114W2	**Kinesiology & Health Education**	**16**	**2**
SSBR115W1	**Practical Component level 1A**	**8**	**1**
SSBR116W2	**Practical Component 1B**	**8**	**2**
HPHS111W1	**General Basic Physiology**	**16**	**1**
HPHS112W2	**Life Support Functions & Interactions with the Environment**	**16**	**2**
ZULN101W1 OR	**Basic Zulu Communication Skills[3]**	**16**	**Both**
ELDV100WB	**English Language Development[1]**	**16**	**Both**
	Total credits: level 1	128	
Level 2			
SSBR211W1	**Evaluation, Statistics & Measurement of Sport Science**	**16**	**1**
SSBR212W2	**Sport Organisation & Management. Legal Aspects**	**16**	**2**
SSBR213W1	**Biomechanical Principles of Sport Science**	**16**	**1**
SSBR214W2	**Exercise Biochemistry, Sport Injuries & First Aid**	**16**	**2**
SSBR215W1	**Practical Component level 2A**	**8**	**1**
SSBR216W2	**Practical Component level 2B**	**8**	**2**
PSYC101W1	**Introduction to Psychology A**	**16**	**1**
PSYC102W2	**Introduction to Psychology B**	**16**	**2**
- and ANY TWO 16 Credit modules provided they do not clash with Sport Science Modules			
	Total Credits: level 2	144	

Level 3			
SSBR311W1	**Sport Psychology**	**16**	**1**
SSBR312W2	**Recreation**	**16**	**2**
SSBR313W1	**Applied Exercise Physiology**	**16**	**1**
SSBR314W2	**Rehabilitation Science**	**16**	**2**
SSBR315W1	**Practical Component level 3A**	**16**	**1**
SSBR316W2	**Practical Component level 3B**	**16**	**2**
HLSC300W2	**Applied Research Methods**	**8**	**2**
	Total credits at level 3	104	
	Total credits for the degree	376	

POSTGRADUATE STUDIES IN SPORT SCIENCE

Bachelor of Sport Science Honours

The purpose of this one-year post-Bachelor's programme in Sport Science is to provide learners with greater understanding of the scientific basis for human performance. The programme is offered in three streams: *Biokinetics*, *Exercise Science* and *Leisure Management*. The curricula of the three streams have a common core content.

SCPS21 Eligibility and selection *(cf College general rule HS24)*

(a) To be eligible to apply to register for the degree, a candidate must hold a Bachelors degree of the University in an appropriate field, or be admitted by the Senate to the status of such degree in terms of Rule GR7(a), or have attained a level of competence defined in Rule GR7(b).

(b) Eligible applicants shall be subject to selection based on the appropriateness of their academic background, the strength of their previous academic record, the availability of University resources, and University obligations in terms of University or government policies.

SCPS22 Curriculum and rules of combination

(a) The curriculum shall occupy one year of full-time study.

(b) There are three defined streams in the curriculum, and every student shall register for one of these:
Biokinetics,
Exercise Science, or
Leisure Management

(c) The modules SSBR701W1: *Research Methods & Statistics* and SSBR702W2: *Research Project* and the internship module SSBR712WY *Internship* are compulsory modules in every student's curriculum, regardless of the stream.

(d) Each stream has further modules which are compulsory for that stream. They are:
For *Biokinetics*: SSBR703W1, SSBR704W2, SSBR708W1 and SSBR709W2.
For *Exercise Science*: SSBR703W1 and SSBR704W2.
For *Leisure Management*: SSBR710W1 and SSBR711W2.

(e) In the *Exercise Science and Leisure Management* streams, the curriculum includes a single elective module which may be chosen from a specified set of modules. These are:
For *Exercise Science*, one of: SSBR711W2, SSBR706W2, SSBR707W1 or SSBR710W1
For *Leisure Management*, one of: SSBR703W1, SSBR706W2, SSBR707W1 or SSBR704W2

Note: *The modules listed in (c) to (e) above are those that have been approved for the curriculum in 2008, which is summarised in Table SPSC-B. The Board may, from time to time make changes to this combination of modules.*

Table SPSC-B Curriculum for Bachelor of Sport Science Honours (2008)

Code	Module	Cred	Sem			
				BK	ES	LM
SSBR701W1	**Research Methods & Statistics**	**16**	**1**	**yes**	**yes**	**yes**
SSBR702W2	**Research Project**	**32**	**2**	**yes**	**yes**	**yes**
SSBR703W1	**Exercise Science**	**16**	**1**	**yes**	**yes**	**elect**
SSBR704W2	**Exercise Physiology**	**16**	**2**	**yes**	**yes**	**elect**
SSBR705W2	**Motor Learning**	**16**	**2**			
SSBR706W2	**Adapted Physical Activity**	**16**	**2**		**elect**	**elect**
SSBR708W1	**Biokinetics 1**	**16**	**1**	**yes**		
SSBR709W2	**Biokinetics 2**	**16**	**2**	**yes**		
SSBR710W2	**Leisure Services**	**16**	**2**		**elect**	**yes**
SSBR711W1	**Leisure Management**	**16**	**1**		**elect**	**yes**
SSBR712WY	**Internship**	**32**	**year**	**yes**	**yes**	**yes**
	Total credits for degree			144	128	128

Abbreviations: BK: Biokinetics stream, ES: Exercise Science stream; LM: Leisure Management stream. In the cross-table ' yes' indicates that the module is compulsory for the stream concerned, and 'elect' indicates that it is available to be chosen as the (single) elective module in that stream.

Total credits will be 128 for each stream, except for Biokinetics, for which the total is 144.

Master of Sport Science
(Degree by coursework)

This is a masters degree by coursework and minor dissertation for those who wish to extend their qualification skills and expertise, or have an interest in research. It is offered in two specialist directions - Exercise *Science* and Biokinetics. Half of the coursework is common to the two specialised curricula, and the research topic leading to the dissertation must be chosen from the specialist direction involved.

SCPS23 Eligibility and selection: To be eligible to apply for admission to the programme, an applicant must hold a Bachelor of Sport Science Honours degree from the University with specialisation appropriate to the chosen stream, or be admitted to the status of such degree by the Senate in terms of Rule RG7 (a), or be an applicant in terms of rule RG7 (b). Eligible applicants shall be subject to selection.

SCPS24 Curriculum and rules of combination
The degree shall occupy a minimum of two and a maximum of three years of part-time study and research.
The degree shall be offered in two streams, these being *Biokinetics* and *Exercise Science.*
Students in either stream shall be required to have appropriate specialisation in their previous degree.
The research topic for the dissertation shall be chosen from the relevant area of specialisation.
Specialisation will occur in the second year of study.

Table SPSC-C: Curriculum for Master of Sport Science (Exercise Science stream)

Code	Name of Module	Cred	Sem
SSBR811WY	**Research Project**	**64/96**	**1 & 2**
SSBR819W1	**Research Methodology and Statistics**	**16**	**1**
HPHS814W1	**Capita Selecta Physiology**	**16**	**1**
	Speciality credit 1 (see specialization)		
SSBR812W2	**Nutrition, Drugs and Ergogenic Aids**	**16**	**2**
SSBR813W2	**Wellness, Healing and Rehabilitation Science**	**16**	**2**
	Speciality Credit 2 (see specialization)	**16**	**1**
		16	**2**
	Specialization:		
	Sport Performance		
SSBR801W1	**Exercise Testing and Sport Performance**	**16**	**1**
SSBR816W2	**Advanced coaching and Sport Psychology**	**16**	**2**
	Prevention and Promotion		
SSBR815W1	**Occupational Health and Health Promotion**	**16**	**1**
SSBR817W2	**Exercise for specific populations**	**16**	**2**

Notes:

(a) 32 credit points of an area of specialization must be selected in the first year of study.

(b) 32 credit points of another area of specialization can be selected in the second year of study or alternatively 96 credit point research project can be done.

(c) Students who opt for the second specialization do a 64 credit point research project.

Table SPSC-D: Curriculum for Master of Sport Science (Biokinetics stream)			
Code	Name of Module	Cred	Sem
SSBR811WY	**Research Project**	**64/96**	**1 & 2**
SSBR819W1	**Research Methodology and Statistics**	**16**	**1**
	Speciality credit 1 (See specialization)	**16**	**1**
SSBR812W2	**Nutrition, Drugs and ergogenic aids**	**16**	**2**
SSBR813W2	**Wellness, Healing and Rehabilitation Science**	**16**	**2**
SSBR814W1	**Capita selecta Physiology**	**16**	**1**
	Speciality credit 2 (See specialization)	**16**	**2**
	Specialization:		
	Sport Performance		
SSBR801W1	**Exercise testing and exercise principles**	**16**	**1**
SSBR816W2	**Advanced coaching and sport psychology**	**16**	**2**
	Prevention and Promotion		
SSBR815W1	**Occupational health and health promotion**	**16**	**1**
SSBR817W2	**Exercise for specific populations**	**16**	**2**
	Sport Injuries		
SSBR818W1	**Management of upper body injuries**	**16**	**1**
SSBR821W2	**Management of lower body injuries**	**16**	**2**
	Prevention and Promotion		
SSBR822W1	**Orthopaedic rehabilitation**	**16**	**1**
SSBR823W2	**Chronic Disease Rehabilitation**	**16**	**2**

Notes:

(a) 32 credit points of an area of specialization must be selected in the first year of study.

(b) 32 credit points of another area of specialization can be selected in the second year of or alternatively a 96 credit point research project can be done.

(c) Students who opt for the second specialization do a 64 credit point research project.

Master of Sport Science (Research): Students may elect to enrol on a part time or full time basis.

Curriculum for Master of Sport Science by Research			
Code	**Name of Module**	**Cred**	**Sem**
SSBR8FY	Masters Research in Sport Science		Year
SSBR8SY	Masters Research in Sport Science Subsequent Year		Year

Doctor of Philosophy in Sports Sciences (Research): Students may elect to enrol on a part time or full time basis.

Curriculum for Doctor of Philisophy - Sport Science	
Module Code	**Name of Module**
SSBR9FY	PhD Research in Sport Science
SSBR9SY	PhD Research in Sport Science Subsequent Year

Purpose:
To facilitate and provide an opportunity for postgraduate study, research skills development, and life-long learning.

SCPS25 Eligibility and selection

(a) The following shall be eligible to apply for admission to the programme of study:
- (i) For the Masters degree, a Bachelor of Sport Science Hons and for the Doctorate degree, a Master of Sport Science, of the University or an applicant who has been admitted by the Senate to the status of this degree in terms of general College rule HS7 (a)
- (ii) An applicant in terms of general College rule HS7 (b).
- (iii) Applicants who are eligible in terms of a) shall be subject to selection.

Discipline: Optometry

Rules for programmes in Optometry

Note
The following rules must be read in conjunction with the general rules of the Faculty of Health Sciences, the general rules of the College of Health Sciences, and the General Academic Rules for Degrees, Diplomas and Certificates of the University.
It is also necessary to refer to the entries in this handbook for the individual modules constituting the curriculum for a qualification, since these will contain essential information concerning prerequisite requirements, DP requirements, examinations, and the like.

The Rules appearing below must be regarded as part of the College rules and have equal force.

Bachelor of Optometry
Note on Selection.
College Rules HS4 & HS6 shall apply. For South African matriculants, the subjects *Mathematics*, and *Physical Science* or *Biology,* with passes in both subjects, with at least a D if passed at the standard grade will be regarded as normal requirements. For candidates with other forms of school-leaving certificate, achievements comparable to the above will be considered. For the purposes of selection, candidates will be short-listed based on academic merit. Preference will be given to candidates who have obtained better grades in Mathematics and Physical Science. Due consideration will also be given to those applicants with experience in a related field. An interview will only be conducted when necessary before final selection.

Note on unacceptable behaviour:
College Rule HS22 places an obligation of acceptable behaviour on all students in the Faculty. A student may be excluded from the programme at any time on the grounds of unacceptable behaviour, which is considered by the responsible Faculty Committee to be inappropriate to Professional Practice.

Note on maximum loads:
If a student fails one or more modules in any semester, the total number of modules shall be restricted in subsequent semesters. The total number of modules taken shall not exceed the number of modules prescribed in the curriculum for that particular semester.

SCPS1 English placement test *(to be read with Faculty Rule FHEL1)*
Candidates who fail the English Placement Test shall include ELDV100WB *English Language Development* in their first-year curriculum.

SCPS2 Curriculum for the Bachelor of Optometry
The degree curriculum, which shall be approved by the Board from time to time, shall extend over eight semesters and shall comprise modules with a total credit value of not less than 512 and not more than 576, of which at least 128 shall be at level 4. *(See table CLOP-A)*

SCPS3 Due performance *(to be read with College Rule HS13)*
The requirement for *clinical* modules* shall be attendance of *every* class or other meeting prescribed for such module, unless the student is specifically excused by the Head of the School or an authorised member of staff from a particular class or meeting.

Notes:
(a) Further information on the requirements of individual modules will be found in the handbook entries for those modules, which should be consulted.
(b) The clinical modules are OPTM231W1, OPTM232W1, OPTM351WY, OPTM334WY, OPTM353WY, OPTM451WY, OPTM452W2, OPTM454W2, OPTM456W2, OPTM435W1, OPTM431W1, OPTM433W1, OPTM437W1 and OPTM458W2.
(c) All attendance in community-based clinics arranged by the programme, and participation in outreach activities, are compulsory.

SCPS4 Clinical experience
(a) All final year students shall be required to produce verified records (by approved clinical supervisors) of their personal performance of a minimum of 120 supervised optometric examinations of patients in the internal and external clinics, before the end of the academic year. This will include patients seen in the 3rd year internal and external clinics. The minimum number of patients to be seen in the specialist clinics will be specified in the handbook.
(b) Any student who has been absent for more than 14 days in a semester shall be required to pass a standard test of clinical competence and his or her level of knowledge before continuing to see patients in the clinic.

SCPS4 Sustained competence *(See also College Rule HS12(c))*
A student who for a year or more has undertaken no clinical work in a prerequisite clinical module may be required to pass a test on the work of that prerequisite module, or otherwise produce evidence of sustained competence in the work of the prerequisite module, in order to register for the succeeding module.

Note on availability of modules
The listing of a particular elective module in this handbook or the prospectus does not imply that it will necessarily be offered each year. In general, such modules will be offered only if an acceptable number of candidates wish to register for it, if sufficient clinical training venues are available and if the required lecturers are available. The School reserves the right to alter the times of presentation of modules or to cancel such modules for the reasons given.

Curriculum for Bachelor of Optometry (2008)			
Code	Name of Module	Cred	Sem
Level 1			
CHEM110W1	**General Principles of Chemistry**	**16**	**1**
BIOL103W1	**Introductory Biology**	**16**	**1**
MATH133W1	**Mathematics & Statistics for Natural Sciences**	**16**	**1**
PHYS139W1	**Physics for Optometry**	**16**	**1**
CHEM120W2	**Chemical Reactivity**	**16**	**2**
ISTN100W2	**Computer Literacy**	**16**	**2**
OPTM114W2	**Introductory Optometry**	**8**	**2**
OPTM112W2	**Physical & Geometric Optics**	**8**	**2**
	and ONE of the following three modules (see Rule SCPS1)		
ELDV100WB	**English Language Development**	**16**	**1or 2**
ZULN101WB	**Basic Zulu Communication Skills**	**16**	**1or 2**
ZULM103WB	**Advanced Zulu**	**16**	**1 or 2**
	Total credits: level 1	128	
Level 2			
BIOC200W1	**Biochemistry for Optometry**	**8**	**1**
OPTM231W1	**Clinical Techniques I**	**16**	**1**
HPHS221W1	**Homeostasis**	**16**	**1**
ANAT103W1	**Introduction to Anatomy & Neuroanatomy**	**8**	**1**
OPTM241W1	**Ocular Anatomy and Physiology**	**8**	**1**
OPTM221W1	**Ophthalmic Optics I**	**8**	**1**
PSYC332W2	**Managing Health Behaviour**	**8**	**2**
ANAT108W2	**Anatomy of the Head, Neck & Back**	**8**	**2**
OPTM232W2	**Clinical Techniques 2**	**16**	**2**
HPHS222W2	**Integration and Communication**	**16**	**2**
MICR182W2	**Microbiology for Optometry**	**8**	**2**
OPTM222W2	**Ophthalmic Optics 2**	**8**	**2**
OPTM234W2	**Optical Dispensing**	**8**	**2**
	Total credits: level 2	136	

Level 3			
OPTM353WY	**Contact Lens Clinic I**	**16**	**Year**
OPTM331W1	**Contact Lenses I**	**8**	**1**
OPTM351WY	**General Clinic**	**16**	**Year**
OPTM333W1	**General Pathology & Clinical Medicine**	**8**	**1**
OPTM321W1	**Physiological Optics I**	**16**	**1**
OPTM311W1	**Public Health**	**8**	**1**
HLSC300W2	**Applied Research Methods for Health Sciences**	**8**	**2**
OPTM334WY	**Diagnosis and Management of Ocular Disease**	**24**	**Year**
PHRM344W2	**General and Ocular Pharmacology**	**8**	**2**
OPTM322W2	**Physiological Optics 2**	**16**	**2**
	Total credits: level 3	128	
Level 4			
OPTM435W1	**Binocular Vision**	**16**	**1**
OPTM431W1	**Contact Lenses II**	**16**	**1**
OPTM437W1	**Low Vision**	**16**	**1**
OPTM421W1	**Neuro-Physiology of vision**	**8**	**1**
OPTM433W1	**Paediatric Optometry**	**16**	**1**
OPTM451WY	**General Clinics/Grand Rounds**	**24**	**year**
OPTM413WY	**Optometric Management & Jurisprudence**	**8**	**year**
OPTM412WY	**Research Publication**	**8**	**year**
OPTM456W2	**Binocular Vision Clinic**	**8**	**2**
OPTM452W2	**Contact Lenses Clinic II**	**8**	**2**
OPTM458W2	**Low Vision Clinic**	**8**	**2**
OPTM454W2	**Paediatric Vision Clinic**	**8**	**2**
	Total credits: level 4 Complete degree	144 536	

POSTGRADUATE STUDIES IN OPTOMETRY

Master of Optometry (Research): Students may elect to enrol on a part time or full time basis

Doctor of Philosophy in Health Sciences (Research): Students may elect to enrol on a part time or full time basis

Purpose:
To facilitate and provide an opportunity for postgraduate study, research skills development, and life-long learning.

SCPS6 Eligibility and selection

(a) The following shall be eligible to apply for admission to the programme of study:
   (i) For the Masters degree programme, a Bachelor of Optometry of the University or an applicant who has been admitted by the Senate to the status of this degree in terms of general College rule HS7 (a)
   (ii) An applicant in terms of general College rule HS7 (b).Applicants who are eligible in terms of a) shall be subject to selection.

Curriculum for Master of Optometry - Research	
Code	**Name of Module**
OPTM8FY	Masters Research in Optometry
OPTM8SY	Masters Research in Optometry Subsequent Year

Curriculum for Doctor of Philisophy - Optometry – Research	
Code	**Name of Module**
OPTM9FY	PhD Research in Optometry
OPTMSY	PhD Research in Optometry Subsequent Year

SCPS7 Professional registration

Every candidate shall, prior to commencement of studies, show proof of registration with the Health Professions Council of South Africa as an optometrist

Explanatory Notes:

(a) Rule SCPS3 lays down a *general due-performance requirement* applicable to all modules in the School. This should be consulted, and also the individual module entries that follow, which in some cases state further DP requirements.

(b) Students should be careful to inform themselves of all prerequisite and corequisite requirements for modules they may wish to register for in the present or future years. The module entries below contain such information. In a number of cases a prerequisite is given as "Pass-proceed concession:" followed by the name of a module. This means that the latter module need only be passed to allow registration for the present module, but must eventually be passed at the 'proceed level' before the degree can be awarded.

SCHOOL OF AUDIOLOGY, OCCUPATIONAL THERAPY & SPEECH-LANGUAGE PATHOLOGY

Westville Campus

Discipline: Audiology

RULES FOR PROGRAMMES IN AUDIOLOGY

1. BACHELOR DEGREES - Bachelor of Communication Pathology (Audiology)
Note on Selection.
College Rule HS6 applies. South African matriculants will be expected to have passed at least two of the three matric subjects *Mathematics, Physical Science* or *Biology* to be eligible to apply for registration, with a minimum of a D-symbol if passed at the Standard Grade. Applicants will be subject to selection, which will be based on their academic and experiential background, special abilities, and the University's resources and obligations (see Rule HS6). Applicants from whom applications have been accepted will be screened and those placed on a short list will be interviewed.

Note on uunacceptable behaviour:
Rule HS22 places an obligation of acceptable behaviour on all students in the Faculty. A student may be excluded from the programme at any time on the grounds of unacceptable behaviour, which is considered by the responsible Faculty Committee to be inappropriate to professional practice.

SCAOTS 1 - ASSESSMENT

Assessment for clinical modules at levels 2 and 3 shall be by continuous assessment only.

Assessment for clinical modules at level 4 shall be by continuous assessment and an examination. The year mark will contribute 75% and the examination 25% to the final mark for the module.

Assessment of modules other than clinical modules shall be by continuous assessment and an examination. The year mark will contribute 60% and the examination 40% to the final mark for the module.

Rule FHEL3 Duly Performed Requirement. Rules GR16 and GR17 shall apply. See individual module entries for information on subminima.

SCAOTS 2 - PROFESSIONAL REGISTRATION
Every student shall register with the Health Professions Council of South Africa (HPCSA) before the end of May in his or her first year of registration.

SCAOTS 3 - DUE PERFORMANCE *(to be read with College Rule FHEL3)*

The requirement shall be attendance of ***all*** scheduled contact periods in clinical modules except where the student has been specifically excused from a particular session by the academic coordinator or his or her authorised representative.

A minimum mark of 45% for the year mark, based on continuous assessment, is required in order for a student to qualify for entry into the level 4 oral examinations. *(See individual module entries).*

A minimum 75% lecture attendance, with a CAM of ≥40% for theory modules is required in order for a student to qualify for entry into examinations.

College Rule FHEL3 shall apply.

SCAOTS 4 - CURRICULUM

The degree curriculum, which shall be approved by the Board from time to time, shall extend over eight semesters and shall comprise modules with a total credit value of not less than 512 and not more than 576. Save as provided for in Rule FHEL1, all modules of the curriculum shall be obligatory.

SCAOTS 5 - PROGRESSION

No student shall be allowed to proceed to any Level 3 modules that have not passed all Level 2 modules of the Curriculum.

Students who fail year long clinical modules OR a semester long clinical module, may be required to repeat a minimum of one semester of that module, at the discretion of the Academic Coordinator and Head of School, and pending availability of resources.

SCAOTS 6 - INTERRUPTED STUDIES

College Rule HS12(c) shall apply: A student who for two semesters or more has undertaken no clinical work in a prerequisite clinical module, may be required to pass a test on the work of that prerequisite module, or otherwise produce evidence of sustained competence in the work of the prerequisite module, in order to register for the succeeding module.

SCAOTS 7 - WITHDRAWAL FROM A CLINICAL MODULE.

A student may not withdraw from a clinical module without the signature of the Academic coordinator or an authorised member of the academic staff after completion of all clinical responsibilities.

SCAOTS 8 - CLINICAL PRACTICE

No student shall qualify unless the prescribed hours for clinical practice have been completed.

Note: If necessary, clinical practice must be undertaken during university vacation periods.

Table SCAOT A: Curriculum for Bachelor of Communication Pathology (Audiology) (2008)			
Code	**Name of Module**	**Cred**	**Sem**
Level 1			
CPSL101W1	Introduction to Communication Pathology	8	1
CPSL111W1	Clinical Phonetics	8	1
ANAT117W1	Introduction to Anatomy, Head and Neck	16	1
HPHS111W1	Basic Human Physiology	16	1
PSYC101W1	Introduction to Psychology A	16	1
CPSL124W2	Clinical Linguistics	8	2
CPAU102W2	Introduction to Audiology and Assessment	8	2
CPAU104W2	Hearing Sciences	8	2
CPSL112W2	Speech Sound System Disorders	8	2
HLSC116W2	Community Studies	16	2
PSYC102W2	Introduction to Psychology B	16	2
One of the modules (see Rule FHEL1)			
ELDV100WB	English Language Development	16	both
ZULN101WB	Basic Zulu Communication Skills	16	both
ZULM103WB	Bridging IsiZulu 1A	16	both
	Total credits: Level 1	**144**	
Level 2			
CPAU211W1	Diagnostic Audiology	8	1
CPAU221W1	Clinical Practice: Initial Audiological Assessment	16	1
CPSL201WY	Clinical Practice: Speech Sound System Disorders	24	year
PSYC203W1	Developmental Psychology	8	
	Psychology	8	
CPSL201W1	Developmental Language Disorders	8	1
ANAT111W1	Neuroanatomy	8	1
CPAU202W2	Paediatric Audiological Assessment	8	2
CPAU212W2	Clinical Practice: Audiological Assessment: Initial and Diagnostic	16	2
CPSL214W2	Introduction to Severe Developmental Communication Disorders	8	2
PSYC332W2	Managing Health Behaviour	8	2
	Total credits: Level 2	**120**	

Level 3			
CPAU301W1	Rehabilitation Technology	8	1
CPAU311W1	Aural Rehabilitation: Children	8	1
CPAU321W1	Clinical Practice: Paediatric & Special Populations	16	1
CPSL301WB	Clinical Practice: Developmental Language Disorders	24	both
CPSL321W1	Augmentative and Alternative Communication & Early Intervention RP	8	1
HLSC301W1	Applied Clinical Sciences	8	1
CPAU303W2	Auditory Processing Disorders	8	2
CPAU313W2	Sign Language and Deaf Culture	8	2
CPAU342W2	Auditory Evoked Potentials: Early Responses	8	2
CPAU322W2	Clinical Practice: Rehabilitation Technology	16	2
CPAU304W2	Aural Rehabilitation: Adults	8	2
PSYC331W2	Applied research methods for Health Sciences	8	
	Total credits: Level 3	**128**	
Level 4			
CPAU403WY	Clinical Practice: Auditory Evoked Potentials & Vestibular Assessment	24	Year
CPAU402WY	Clinical Practice: Aural Rehabilitation	24	Year
CPAU431WY	Clinical Practice: Community Based Rehabilitation	16	Year
CPAU421WY	Clinical Practice: General and Advanced	24	Year
CPAU441W1	Auditory Evoked Potentials: Late Responses and Vestibular Assessment	8	1
CPAU401W1	Industrial Audiology	8	1
CPAU411WY	Research Practice	16	Year
CPSL403W1	Service delivery models and professional practice	8	1
CPAU402W2	Clinical Practice: Industrial Audiology	8	2
CPAU404W2	Special topics in Audiology	8	2
	Total credits at Level 4 **Total credits for the degree**	**144** **536**	

2. MASTERS BY COURSEWORK AND MINOR DISSERTATION
2.1 Master of Communication Pathology (Audiology)

SCAOTS 9 – ELIGIBILITY AND SELECTION

The relevant General Academic University Rules (specifically GR7 and CR1-17) apply. In addition, a candidate shall:

hold a four-year degree of the University in the field of Audio logy or Speech-Language Pathology, or be admitted by the Senate to the status of such degree in terms of Common Rule GR7(a); or

be deemed by the Senate to be eligible in terms of University Rule GR7 (b).

be subject to selection, in which previous academic performance will be taken into account. The selection process may include an interview.

Note: A person who holds a four-year degree in an allied professional discipline, or any other suitable qualification, may be considered in terms of (a) or (b), and if deemed eligible, shall be interviewed.

See also the general College Rules HS30 – HS42, which shall be applicable.

SCAOTS 10 - CURRICULUM

The degree curriculum, which shall be approved by the Board from time to time, shall extend over not less than two semesters. *(See table SCAOT B)*

Code	Name of Module	Cred	Sem
Core modules			
CPAU 801W1	Diversity in practice of communication pathology (Audiology)	32	1
CPAU803W1	Research Methodology	16	1
CPAU811WB	Short Dissertation	80	year
Elective modules – candidate to choose one:			
CPUA 802W2	Advanced studies in diagnostic audiology	32	2
CPAU804W2	Advanced studies in industrial audiology	32	2
CPAU806W2	Advanced studies in deafness	32	2
CPAU808W2	Advanced studies in Audiological management	32	2
	Total credits for the degree	**160**	

3. MASTERS BY FULL RESEARCH DISSERTATION

Masters in Communication Pathology (Audiology)

Curriculum for Master in Communication Pathology - Audiology	
Code	**Name of Module**
CPAU8FY	Masters Research in Communication Pathology - Audiology
CPAU8SY	Masters Research in Communication Pathology – Audiology Subsequent year

The relevant General Academic University Rules (specifically GR7 and MR1-13) apply. In addition, a candidate shall:

(a) hold a four-year degree of the University in the field of Audiology or Speech-Language Pathology, or be admitted by the Senate to the status of such a degree in terms of Rule GR7 (a); or
(b) Be deemed by the Senate to be eligible in terms of University Rule GR7 (b).
(c) Be subject to selection, in which previous academic performance will be taken into account. The selection process may include an interview.

Discipline: Occupational Therapy

Rules for programmes in Occupational Therapy

Bachelor of Occupational Therapy
Note on Selection.
College Rule HS4 & HS6 shall apply. For South African matriculants, the subjects *Mathematics*, and *Physical Science* or *Biology*, with passes in both subjects of an E at the higher grade or a D at the standard grade, will be regarded as minimum requirements. For candidates with other forms of school-leaving certificate, achievements equitable to the above will be considered.

Note on unacceptable behaviour:
Rule HS22 places an obligation of acceptable behaviour on all students in the Faculty. A student may be excluded from the programme at any time on the grounds of unacceptable behaviour, which is considered by the responsible Faculty Committee to be inappropriate to professional practice.

SCTR1Curriculum for the Bachelor of Occupational Therapy
The degree curriculum, which shall be approved by the Board from time to time, shall extend over eight semesters and shall comprise modules with a total credit value of not less than 512 and not more than 576, of which at least 128 shall be at level 4.

Note: The curriculum of every student must be approved by Senate (Rule HS2 (b)). No student shall normally, in any semester, be permitted to register for more than one module in excess of those prescribed in the curriculum of the semester concerned.

SCTR2 Due performance - *to be read with Rule FHEL 3*
Due Performance criteria are presented in the module section of the hand book, and are specific to each module.

SCTR3 Fieldwork Modules
(a) Registration for particular fieldwork modules will be limited depending on the fieldwork placement areas available from year to year.
(b) There shall be no supplementary examinations in failed fieldwork modules and all such modules must be repeated.

The following module codes shall apply here;
OCTH412WY, OCTH412WY, OCTH411WY, OCTH413WY, OCTH414WB

SCTR4 Mandatory clinical fieldwork
No student shall qualify for the degree that has not completed at least one thousand hours of prescribed fieldwork.
Note: If necessary, fieldwork must be undertaken during University vacation periods.

SCTR5 Progression
No student shall be allowed to proceed to any third-year module who has not passed all second-year modules in the curriculum.

SCTR6 Interrupted studies
College Rule HS12(c) shall apply: A student who for two semesters or more has undertaken no clinical work in a prerequisite clinical module, may be required to pass a test on the work of that prerequisite module, or otherwise produce evidence of sustained competence in the work of the prerequisite module in order to register for the succeeding module.

SCTR7 Withdrawal from a fieldwork module
A student may not withdraw from a fieldwork module without the signature of an authorised member of the academic staff.

Table SCRTA A: Curriculum for Bachelor of Occupational Therapy **(2008)**			
Code	Name of Module	Cred	Sem
Level 1			
ANAT109W1	**Anatomy of the Upper & Lower Limbs**	**16**	**1**
ZULN101WB	**Basic Zulu Communication Skills**[4]	**16**	**1**
ELDV100WB	**English Language Development**[5]	**16**	**1**
ANAT101W1	**Introduction to Anatomy & Neuroanatomy**	**16**	**1**
OCTH151W1	**OT: Fundamentals 1**	**8**	**1**
OCTH131W1	**OT: Procedures: (Assessment)**	**8**	**1**
PYSC101W1	**Introduction to Psychology A**	**16**	**1**
ANAT102W2	**Anatomy of the Head, Neck & Back**	**8**	**2**
ANAT104W2	**Anatomy of the Trunk & Embryology**	**8**	**2**
HLSC116W2	**Community Studies**	**16**	**2**
OCTH122W2	**OT: Methods: An Introduction**	**8**	**2**
OCTH132W2	**OT: Procedures: (Planning)**	**8**	**2**
PYSC102W2	**Introduction to Psychology B**	**16**	**2**
	Total credits: level 1	144	
Level 2			
HPHS222W2	**Integration & Communication**	**16**	**2**
OCTH221W1	**OT Methods 1**	**8**	**1**
OCTH251W1	**OT: Fundamentals 2**	**8**	**1**
OCTH231W1	**OT: Procedures (Performance Areas)**	**8**	**1**
OCTH211W1	**OT: Psychosocial Theory & Fieldwork 2**	**24**	**1**
PSYC203W1	**Development Psychology**	**8**	**1**
PSYC332W2	**Managing Health Behavior**	**8**	**2**
HPHS221W1	**Homeostatic Mechanisms in the Human Body**	**16**	**1**
OCTH222W2	**OT: Methods 2**	**8**	**2**
OCTH232W2	**OT: Procedures (Performance Areas)**	**8**	**2**
OCTH212W2	**Physical Theory & Fieldwork 2**	**24**	**2**
	Total credits: level 2	144	

[4] The module *Basic Zulu Communication Skills* is done if, and only if the candidate (i) passes the English placement test, and (ii) is adjudged not fluent in isiZulu. *See Rule SCTR1*

[5] The module *English Language Development* is done if, the Student Fails the English Placement Test or on recommendation of the Head of School. *See Rule SCTR1.*

Level 3			
HLSC305W1	**Clinical Sciences (Psychiatry)**	8	1
HLSC303W1	**Clinical Sciences: (Medicine, Surgery)**	8	1
HLSC301W1	**Clinical Sciences: (Path, Micro, Paeds)**	8	1
OCTH351W	**OT: Fundamentals 3**	16	1
OCTH321W1	**OT: Methods 3**	16	1
OCTH312W1	**OT: Physical Theory & Fieldwork 3**	24	1
HLSC304W2	**Clinical Sciences: (Rheum. Occ. Health)**	8	2
HLSC302W2	**Clinical Sciences: (Orthop. Ortho. Trauma)**	8	2
HLSC310W2	**Psychopathology**	8	2
OCTH311W2	**Psychosocial Theory & Fieldwork 3**	24	2
HLSC300W2	**Applied Research Methods for Health Sciences**	8	2
	Total credits: level 3	128	
Level 4			
OCTH441WY	**Research Project**	24	year
OCTH451WY	**OT: Fundamentals 4**	8	year
OCTH412WY	**OT: Physical Theory & Fieldwork 4**	32	year
OCTH411WY	**OT: Psychosocial Theory & Fieldwork 4**	32	Year
OCTH413WY	**OT: Community Theory & Fieldwork 4**	24	Year
OCTH414WB	**OT: Paediatric Theory & Fieldwork**	24	1,2
	Total credits at level 4	144	
	Total credits for the degree	552	

Master of Hand Rehabilitation

This is a course-work master's programme

This programme is aimed at enabling graduate health care workers to develop and advance their professional knowledge, skills and expertise in the expanding and specialized field of hand and upper extremity injury, recovery and management.

Code	Module Name	Cred	Notes
OCTH801W1	Applied Upper Limb Anatomy	40	Pre-Req for OCTH806WY
OCTH802W1	Advanced therapeutic practice	40	Pre-Req for OCTH806WY
OCTH803W2	Managing Health Behaviour	16	Pre-Req for OCTH806WY
OCTH804W2	Research proposal	32	Pre-Req for OCTH505WY
Second Year Of Study			
OCTH805WY	Research methods	32	Co-Req for OCTH806WY
OCTH806WY	Mini-dissertation	96	

SCTR10 Admission

(a) Entry to the qualification is limited to graduates with either:
A basic degree in occupational therapy, physiotherapy, medicine or other related field.
A health-related qualification (eg a Diploma in Occupational therapy or Physiotherapy) with a minimum of two (2) years full-time work experience in the rehabilitation of hand and upper extremity dysfunction.

(b) Eligible applicants shall be subjected to selection based on the strength of their previous academic and experiential record, the availability of University resources and University obligations in terms of University and/or government policies.

SCTR11 Progression

Modules in the first year of study must be completed sequentially, viz. OCTH801W1, OCTH802W1, OCTH803W2 then OCTH804W2.

Master of Occupational Therapy

This is a Masters degree by research dissertation.

Curriculum for Master of Occupational Therapy	
Code	Name of Module
OCTH8FY	**Masters Research in Occupational Therapy**
OCTH8SY	**Masters Research in Occupational Therapy Subsequent year**

SCTR12 Admission

(a) To be eligible to apply to register for the degree a candidate must either
be in possession of a Bachelor of Occupational Therapy of the University or be admitted by the Senate to the status of the degrees in terms of Rule GR7(a), and have at least one year of experience as a practising registered occupational therapist; or
be in possession of a three-year diploma in Occupational Therapy acceptable to the Senate, and have at least two years of experience as a practising registered occupational therapy clinician or as a lecturer in occupational therapy, and have passed an entrance examination prescribed by the School; or
have in some other way attained a level of competence defined in Rule GR7 (b).

(b) Eligible applicants shall be subject to selection based on the strength of their previous academic and experiential record, the availability of University resources, and University obligations in terms of University or government policies.

Discipline: Speech-Language Pathology

RULES FOR PROGRAMMES IN SPEECH-LANGUAGE PATHOLOGY
1. BACHELOR DEGREES - Bachelor of Communication Pathology (Speech-Language Pathology)

Note on Selection.
College Rule HS6 applies. South African matriculants will be expected to have passed at least two of the three matric subjects *Mathematics, Physical Science* or *Biology* to be eligible to apply for registration, with a minimum of a D-symbol if passed at the Standard Grade. Applicants will be subject to selection, which will be based on their academic and experiential background, special abilities, and the University's resources and obligations (see Rule HS6). Applicants from whom applications have been accepted will be screened and those placed on a short list will be interviewed.

Note on unacceptable behaviour:
Rule HS22 places an obligation of acceptable behaviour on all students in the Faculty. A student may be excluded from the programme at any time on the grounds of unacceptable behaviour, which is considered by the responsible Faculty Committee to be inappropriate to professional practice.

SCAOTS 1 - ASSESSMENT

Assessment for clinical modules at levels 2 and 3 shall be by continuous assessment only.

Assessment for clinical modules at level 4 shall be by continuous assessment and an examination. The year mark will contribute 75% and the examination 25% to the final mark for the module.

Assessment of modules other than clinical modules shall be by continuous assessment and an examination. The year mark will contribute 60% and the examination 40% to the final mark for the module.

Rule FHEL3 Duly Performed Requirement. Rules GR16 and GR17 shall apply. See individual module entries for information on subminima.

SCAOTS 2 - PROFESSIONAL REGISTRATION

Every student shall register with the Health Professions Council of South Africa (HPCSA) before the end of May in his or her first year of registration.

SCAOTS 3 - DUE PERFORMANCE *(to be read with Faculty Rule FHEL3)*

(a) The requirement shall be attendance of ***all*** scheduled contact periods in clinical modules except where the student has been specifically excused from a particular session by the academic coordinator or his or her authorised representative.

(b) A minimum mark of 45% for the year mark, based on continuous assessment, is required in order for a student to qualify for entry into the level 4 oral examinations. *(See individual module entries).*
(c) A minimum 75% lecture attendance, with a CAM of ≥40% for theory modules is required in order for a student to qualify for entry into examinations.

College Rule FHEL3 shall apply.

SCAOTS 4 - CURRICULUM

The degree curriculum, which shall be approved by the Board from time to time, shall extend over eight semesters and shall comprise modules with a total credit value of not less than 512 and not more than 576. Save as provided for in Rule FHEL1, all modules of the curriculum shall be obligatory.

SCAOTS 5 - PROGRESSION

No student shall be allowed to proceed to any Level 3 modules who has not passed all Level 2 modules of the Curriculum.

Students who fail year long clinical modules OR a semester long clinical module, may be required to repeat a minimum of one semester of that module, at the discretion of the Academic Coordinator and Head of School, and pending availability of resources.

SCAOTS 6 - INTERRUPTED STUDIES

College Rule HS12(c) shall apply: A student who for two semesters or more has undertaken no clinical work in a prerequisite clinical module, may be required to pass a test on the work of that prerequisite module, or otherwise produce evidence of sustained competence in the work of the prerequisite module, in order to register for the succeeding module.

SCAOTS 7 - WITHDRAWAL FROM A CLINICAL MODULE.

A student may not withdraw from a clinical module without the signature of the Academic Coordinator or his or her authorised representative after completion of all clinical responsibilities.

SCAOTS 8 - CLINICAL PRACTICE

No student shall qualify unless the prescribed hours for clinical practice have been completed.

Note: If necessary, clinical practice must be undertaken during university vacation periods.

Code	Name of Module	Cred	Sem
Level 1			
HPHS111W1	Basic Human Physiology	16	1
CPSL111W1	Clinical Phonetics	8	1
ANAT117W1	Introduction to Anatomy, Head and Neck	16	1
CPSL101W1	Introduction to Communication Pathology	8	1

PSYC101W1	Introduction to Psychology A	16	1
CPSL124W2	Clinical Linguistics	8	2
HLSC116W2	Community Studies	16	2
CPAU104W2	Hearing Sciences	8	2
CPAU102W2	Introduction to Audiology and Assessment	8	2
CPSL112W2	Speech Sound System Disorders	8	2
PSYC102W2	Introduction to Psychology B	16	2
One of the modules (see Rule FHEL1)			
ELDV100WB	English Language Development	16	1
ZULN101WB	Basic IsiZulu Language Studies A	16	1
ZULM103WB	Bridging IsiZulu A	16	1
	Total credits: level 1	**144**	
Level 2			
CPAU201WY	Clinical Practice: Behavioural Screening Audiometry for the Speech-Language Therapist	16	year
CPSL 201WY	Clinical Practice: Speech Sound System Disorders	24	year
CPSL211W1	Developmental Language Disorders	8	1
CPAU213W1	Behavioural Screening Audiometry for the Speech-Language Therapist	8	1
ANAT111W1	Neuroanatomy	8	1
PSYC332W2	Managing Health Behaviour	8	2
CPSL203W2	Speech Disorders: Cleft Palate and Voice	16	2
CPSL214W2	Intro to Severe Developmental Communication Disorders	8	2
PSYC203W1	Developmental Psychology	8	2
	Total credits: level 2	**104**	
Level 3			
CPSL356WY	Clinical Practice: Cranio-Facial Disorders	8	year
CPSL301WY	Clinical Practice: Developmental Language Disorders	24	year
CPSL352WY	Clinical Practice: Voice Disorders	8	year
CPSL351WY	Clinical Practice: Fluency Disorders	16	year
CPSL333W1	Aphasia & Motor Speech Disorders	8	1
CPSL326W1	Fluency Disorders	8	1
CPSL331W1	Severe Developmental Communication Disorders	8	1
HLSC301W1	Applied Clinical Sciences	8	1
HLSC312W2	Applied Research Methods	8	2
CPSL321W1	Augmentative and Alternative Communication & Early	8	1

	Communication Intervention		
CPSL332W2	Neurologically Acquired Communication Disorders & Dysphagia	8	2
CPAU313W2	Sign Language and Deaf Culture	8	2
CPAU303W2	Auditory Processing Disorders	8	2
	Total credits: level 3	**128**	
Level 4			
CPSL451WY	Clinical Practice: Language Learning Disability	24	year
CPSL453WY	Clinical Practice: Severe Developmental Communication Disorders	24	year
CPSL455WY	Clinical Practice: Neurologically Acquired Communication Disorders	24	year
CPSL457W1	Clinical Practice: Initial Assessment	16	1
CPSL401WY	Clinical Practice: Community Based Rehabilitation	16	year
CPSL411WY	Research Practice	16	year
CPSL 403W1	Service Delivery Models and Professional Practice	8	1
	Total credits at level 4 **Total credits for the degree**	**128** **512**	

2.1 MASTERS BY COURSEWORK AND MINOR DISSERTATION
Master of Communication Pathology (Speech-Language Pathology)

SCAOTS 9 – ELIGIBILITY AND SELECTION

The relevant General Academic University Rules (specifically GR7 and CR1-17) apply. In addition, a candidate shall

(a) hold a four-year degree of the University in the field of Audiology or Speech-Language Pathology, or be admitted by the Senate to the status of such degree in terms of Common Rule GR7(a); or

(b) be deemed by the Senate to be eligible in terms of University Rule GR7 (b).

(c) be subject to selection, in which previous academic performance will be taken into account. The selection process may include an interview.

Note: A person who holds a four-year degree in an allied professional discipline, or any other suitable qualification, may be considered in terms of (a) or (b), and if deemed eligible, shall be interviewed.

See also the general College Rules HS30 – HS42, which shall be applicable.

SCAOTS 10 - CURRICULUM

The degree curriculum, which shall be approved by the Board from time to time, shall extend over not less than two semesters. *(See table SCAOTS F)*

Code	Name of Module	Cred	Sem
Core modules			
CPSL801W1	Diversity in the practice of Communication Pathology (Speech -Language Pathology)	32	1
CPSL803W1	Research Methodology	16	1
CPSL811WY	Short dissertation	80	year
Elective modules – candidate to choose one:			
CPSL802W2	Advanced studies in Bi/Multilingualism	32	2
CPSL804W2	Advanced studies in Speech, Voice &Fluency	32	2
CPSL806W2	Advanced studies in Neurologically Acquired Speech- Language Disorders	32	2
CPSL808W2	Advanced studies in Developmental Language	32	2
CPSL810W1	Advanced studies in Severe Developmental Communication Disorders	32	2
	Total credits for the degree	**160**	

2.2 MASTERS BY FULL RESEARCH DISSERTATION

Masters in Communication Pathology (Speech-Language Pathology)

The relevant General Academic University Rules (specifically GR7, and MR1-13) apply. In addition, a candidate shall:

(a) hold a four-year degree of the University in the field of Audiology or Speech-Language Pathology, or be admitted by the Senate to the status of such a degree in terms of Rule GR7 (a); or

(b) be deemed by the Senate to be eligible in terms of University Rule GR7(b).

(c) be subject to selection, in which previous academic performance will be taken into account. The selection process may include an interview.

Curriculum for Master in Communication Pathology – Speech-Language Pathology	
Code	**Name of Module**
CPSL8FY	Masters Research in Communication Pathology – Speech-Language Pathology
CPSL8SY	Masters Research in Communication Pathology – Speech-Language Pathology Subsequent year

SYLLABI

Clinical Sciences

Offered in the School of Audiology, Occupational Therapy & Speech Language Pathology

Clinical Sciences: (Orthopaedics & Cardiothor

HLSC401 W2 (50L-0T-0P-0S-28H-0R-0F-0G-2A-14W-8C)

Prerequisite: Anatomy and Physiology Modules for Physiotherapy programme

Aim: This module provides students with a theoretical framework of specific conditions in orthopaedic and cardiothoracic surgery

Content: Orthopaedics: Congenital talipes equino varus, genu valgus, genu varum, Blount's disease, CDH, Perthe's disease, coxa vara, Hallux valgus, hallux rigidus, flat feet, pes cavus, claw toes, metatarsalgia, calcanea spur, plantar fasciitis, Paget's disease, osteomyelitis (acute and chronic), acute septic arthritis, osteoarthrosis of the hip and knee. Surgical procedures on joints(osteotomy,arthrodesis, arthroplasty). Degenerative disease of joints (OA, AVN, Neuropathic), injuries involving the knee joint (menisci, ligamentous, bony injury, haemarthrosis, traumatic synovitis, injuries of the patella, rupture of quadriceps mechanism). Fractures and injuries of the pelvis. Peri-articular disorders of the upper limb (rotator cuff, tennis elbow, tenosynovitis). chronic back and neck pain, other spinal deformities Cardiothoracic surgery: thoracic surgical methods (thoracotomy, lobectomy, pneumonectomy); thoracic surgery associated with (pulmonary TB, carcinoma of the bronchus / lung, decortication, hiatus hernia, achalasia, sub-phrenic abscess, retro-sternal goiter, oesophagectomy, plication of emphysematous bullae); cardiac conditions and the surgical management where necessary for (congential heart disease, atrial septal defects, ventricular septal defect, pulmonary stenosis, myocarditis, pericarditis, coarctation of the aorta, patent ductus arteriosis, tetralogy of fallot), pulmonary emboli, ischaemic heart disease, nutritional heart disease, bacterial endocarditis, cor pulmonale

Assessment: Formative: a minimum of 2 theory tests The average of the 2 theory tests will constitute the CAM which will contribute 50% toward the final examination mark. Summative: 1x 2 hour theory paper which will be moderated by an external examiner. The weighting of the paper should constitute at least the following: Orthopaedic surgery : 35 marks; cardiothoracic surgery ; 35 marks Final Mark = 50% (CAM) + 50% (exam mark). A 40% subminimum for the exam, or component of the exam shall apply.

DP Requirement: As per Faculty rule

Clinical Sciences: (Pharmacology, ENT & Plas

HLSC402 W2 (50L-0T-10P-0S-14H-4R-0F-0G-2A-0W-8C)

Prerequisite: Anatomy and Physiology Modules for the Physiotherapy programme

Aim: This module provides students with a theoretical framework of specific conditions in plastic surgery, dermatology and otorhinolaryngology and clinical pharmacology

Content: Pharmacology : cardiovascular drugs, allergy, histamine and antihistamine; drugs used in respiratory and gastrointestinal conditions; drugs used in chemotherapy and burns; analgesics, anti-inflammatories, muscle relaxants; handling, storage, and labelling of drugs; prescription writing. Ear, Nose and Throat Surgery: middle ear infections; Menieres disease; sinusitis; rhinitis / hay fever; carcinoma of the larynx; pre and post operative treatment. Plastic Surgery: skin grafts and flaps, reconstructive surgery, eg. mastectomy; burns. Dermatology: acne; psoriasis; alopecia; boils, carbuncles; pressure sores

Assessment: Formative: a minimum of 2 theory tests The average of the 2 theory tests will constitute the CAM which will contribute 50% toward the final examination mark. Summative: 1x 2 hour theory paper which will be moderated by an external examiner. The weighting of the paper should constitute at least the following: Pharmacology : 30 marks; plastic and reconstructive surgery: 15 marks; otorhinolaryngology : 15 marks; dermatology :10 marks Final Mark = 50% (CAM) + 50% (exam mark). A 40% subminimum for the exam, or component of the exam shall apply. Final Mark = 50% (CAM) + 50% (exam mark) If a student obtains between 40% to 49% in the exam then he/she qualifies for a supplementary exam
DP Requirement: As per Faculty rule

Communication Pathology - Audiology

Offered in the School of Audiology, Occupational Therapy & Speech Language Pathology

Introduction to Audiology and Assessment

CPAU102 W2 (59L-0T-12P-0S-4H-4R-0F-0G-2A-13W-8C)
Prerequisite: for CPAU221W1
Corequisite: for CPAU104W2
Aim: To provide students with learning opportunities to facilitate an understanding of hearing assessment using basic audiometric procedures with specific emphasis on quantifying and describing hearing loss.
Content: Introduction to Audiology and Audiometry, otological assessment, tuning fork tests, case history interview, pure tone air- and bone conduction audiometry, speech audiometry, immitance audiometry, test battery approach, test administration and equipment usage, analysis and interpretation of results.
Practicals: Department practical to develop testing skill and hospital observations
Assessment: 2 tests; 1 practical test;1 resource file (60%),1 x 2hr examination, which equals 40%of the final mark. A subminimum mark of 40% is required for the examination.
DP Requirement: A minimum 75% lecture attendance, with a CAM of ≥ 40% for the semester mark.
A lecture note fee of R50-00 will be charged for this module.

Hearing Sciences

CPAU104 W2 (32L-0T-18P-0S-18H-10R-0F-0G-2A-13W-8C)
Prerequisite: CPAU221W1, CPAU202W2, CPAU211W1
Corequisite: CPAU102W2
Aim: To introduce students to the fundamental concepts relating to acoustics and psychoacoustics and to facilitate an understanding of the nature and management of disorders/pathology affecting the auditory system and audiological sequelae.
Content: Nature and measurement of sound, complex waveforms, resonance and filtering, distortion, sound transmission, absorption and reflection. Psychoacoustics, auditory response area, auditory threshold, audiogram, frequency, intensity, sound discrimination, monaural and binaural hearing. Classification of auditory disorders; physiology of the ear and hearing, etiology, pathology, otologic treatment, and management of congenital and acquired disorders affecting the outer, middle and inner ear, and auditory nerve and central auditory pathways; audiological manifestation, tinnitus, introduction to functional hearing loss.
Practicals: the course includes one field trip to observe an ENT specialist.
Assessment: 2 tests (2 x 25%), 2 assignments (2 x 25%). The examination comprises of 2x 1 hour written. A subminimum mark of 40% is required for each of paper 1 & paper 2. Each examination paper will contribute 50% toward the exam mark.
DP Requirement: Attendance at 100% of the practical sessions and a minimum of 75% of the lectures and obtain a CAM of ≥40%.
A lecture note fee of R50-00 will be charged for this module.

Clin Prac: Behavioural Screening Audiometry

CPAU201 WY (0L-20T-6P-0S-29H-5R-0F-85G-15A-18W-16C)

Prerequisite: For CPSL301WY,CPSL351W2,CPAU313W2,CPAU303W2

Corequisite: CPAU213

Aim: The aim of this module is to enable the SLP to screen the hearing of clients who present with SLP problems by means of behavioural screening techniques. This includes all clients that comprise the SLP case load and includes clients across the age spectrum and in various clinical contexts.

Content: Plan, initiate and conduct a needs analysis of clients requiring audiometric screening, plan identification programmes, to execute identification programmes, to manage and monitor the identification programmes. Make appropriate referrals, compile and maintain records.

Assessment: This entails observation which allows the tutor to determine the degree to which the student knows or is able to do a given learning task and to identify the part of the task that the student does not know or is unable to do. This enables the provision of prescriptive feedback on the task to the student. Assessment is via continuous assessment and shall contribute 100% toward the final mark. Assessment will comprise clinical evaluations, reports, case presentations, lab/paper cases, clinical tests. Calculation formula of CAM: Assessment will comprise clinical evaluations, reports, case presentations, lab/paper cases, clinical tests. The year mark shall contribute 100% toward the final mark.

DP Requirement: Assessment is via continuous assessment and no DP is required' however, with regard to Due performance (DP) (to be read with College Rule HS13)College Rule HS13 shall apply, save that in HS13(c)(v), The requirement shall be attendance of all scheduled contact periods in the module except where a student has been specifically excused from a particular session by the academic coordinator or his/her authorized representative.

A transportation fee of R390-00 will be charged for this module.

Paediatric Audiological Assessment

CPAU202 W2 (59L-0T-9P-0S-5H-5R-0F-0G-2A-13W-8C)

Prerequisite: For CPAU321W1, CPAU301W1, CPAU342W2, CPAU311W1

Corequisite:

Aim: To provide learning opportunities to understand the types of procedures utilized in the auditory assessment of infants and young children (0-5 years), as well as the difficult to test population. To help students understand the philosophy and approach to paediatric hearing assessment and the issues involved.

Content: Development of the auditory mechanism, normal auditory development, hearing disorders in children, paediatric hearing screening, intervention issues, behavioural hearing testing with children, physiological testing, the difficult to test/multiply handicapped child.

Practicals: Exposure to and orientation to test equipment and test procedures.

Assessment: tests, assignment (60%), and a two-hour written examination (40%). A subminimum mark of 40% is required for the examination.

DP Requirement: 100% attendance at practicals and 75% lectures

Diagnostic Audiology

CPAU211 W2 (39L-0T-20P-0S-10H-9R-0F-0G-2A-13W-8C)

Prerequisite: for CPAU303W2, CPAU311W1, CPAU321W1, CPAU342W2, CPAU304W2

Aim: To facilitate an understanding of the principles underlying various special audiometric tests, to critically discuss testing procedures and to interpret the results obtained from the administration of a special test battery. This theoretical knowledge is essential to the differential diagnosis of clients presenting with an organic or non-organic hearing impairment.

Content: Historical perspective of special tests, diagnostic implementation of immitance measures, tests of cochlear function, tests of retro-cochlear function, tests of central auditory function, and the principels that underline the selection & administration of a special battery of tests.

Practicals: Department Practical for developing testing skills.

Assessment: Two written and one practical test. The written tests are each weighted at 45% each and the practical test is weighted at 10% to make up 100%. There is also a 1x2 hour final written exam which constitutes 40% of the final mark. A subminimum mark of 40% is required for the examination.

DP Requirement: Attend 100% of the scheduled practical sessions, attend a minimum of 75% of the lectures and obtain a CAM of ≥40% to earn a DP for the course.

Clinical Practice: Audiological Assessment: I

CPAU212 W2 (0L-20T-6P-0S-29H-5R-0F-100G-0A-13W-16C)

Prerequisite: for CPAU301W1, CPAU311W1, CPAU342W2

Corequisite: CPAU221W1, CPAU211W1

Aim: To develop clinical skills in the initial evaluation of hearing disorders using conventional audiometry, including site-of- lesion tests.

Content: Obtaining and conducting a case interview, selecting and administering a basic audiometric test battery and special test battery for site-of -lesion testing, analysing and interpreting test results, determining appropriate intervention strategies, making appropriate referral, compiling accurate assessment reports & the writing of referal reports.

Practicals: Student observation and clinical testing at university and hospital clinics.

Assessment: Clinical evaluations, reports, case presentations, clinical test, observation reports. 100% continuos assessment

DP Requirement: Attendance at all scheduled contact periods in clinical modules except where the student has been specifically excused from a particular session by the Head of School or his or her authorised representative.

A transportation fee of R195-00 will be charged for this module.

Behavioural Screening Audiometry

CPAU213 W1 (39L-0T-20P-0S-10H-9R-0F-0G-2A-13W-8C)

Prerequisite: for CPAU303W2,CPSL301WB

Corequisite: CPAU201

Aim: The aim of the this module is to facilitate an understanding of the procedures utilized in screening hearing in selected populations. The purpose of which is to enhance the Speech-Language Pathologist's management of their clients, and to expedite referrals to the audiologist for further diagnostic hearing assessments.

Content: The module will comprise of the following content areas: Auditory development, audiological manifestations in different disorders/syndromes, principles of screening, behavioural screening test procedures, hearing screening guidelines, decision making with regard to choice of behavioural tests and the criteria for interpretation, instrumentation used and record keeping.

Assessment: Assessments shall contribute 60% of the final mark. Assessments shall comprise 2 tests and one assignement to make up 100% The examination mark will contribute 40% to the final mark. The Examination is: 1X2 hour written examination The exam will comprise of short questions. A sub minimum mark of 40% for the examination. There is an internal examiner and an internal moderator for this. Calculation formula of CAM: - The tests will be weighted 60% and the assignment 40%, as contribution to the 100% CAM. Calculation formula of exam mark: The examination mark will contribute 100% for the paper. Calculation formula of the final mark: The year mark shall contribute 60%, and the exam mark 40% toward the final mark. Minimum mark required to qualify for supplementary examination A mark of 40 - 49% is required to qualify for a supplementary examination. Rules in terms of supplementary As per faculty requirements

DP Requirement: In order to gain entry to the exam, students must; Attend 100% of their practical sessions and a minimum of 75% of the lectures and obtain a CAM of ≥40%.

Clinical Practice:Initial Audiological Asses

CPAU221 W1 (0L-20T-6P-0S-28H-6R-0F-100G-0A-13W-16C)

Corequisite: CPAU212W2, CPAU202W2

Aim: To develop clinical skills in the initial evaluation of hearing disorders using conventional audiometry

Content: Interviewing skills, test battery administration (Otoscopic evaluation; tuning fork tests pure tone air- and bone-conduction; speech audiometry; immitance test battery;) masking principles, equipment calibration and maintenance, troubleshooting, interpretation of audiometric results, feedback, clinical communication skills, resource development, & the study of relevant cases.

Practicals: Clinic observation, hospital observation, Lab/paper cases.

Assessment: Clinical evaluation (x2), Reports (x2), case presentation, lab/paper cases, clinical test. 100% continuous assessment

DP Requirement: Attendance at all scheduled contact periods in clinical modules except where the student has been specifically excused from a particular session by the Head of School or his or her authorised representative.

A transportation fee of R195-00 will be charged for this module.

Rehabilitation Technology

CPAU301 W1 (59L-0T-9P-0S-5H-5R-0F-0G-2A-13W-8C)

Prerequisite: for CPAU404W2, CPAU401WB, CPAU421WY, CPAU402WY, CPAU411WY

Corequisite: CPAU322W2

Aim: To facilitate an understanding of the communicative needs of the hearing impaired and deaf population, to select, evaluate and monitor the use of rehabilitative technology.

Content: Basic components of amplification devices, electro-acoustic characteristics, modification of amplification devices and the coupling system, psychoacoustics and rehabilitation technology, amplification device sound measurement, selection and evaluation methodologies, special applications, assistive technology, orientation and counselling, amplification devices in South Africa, cochlear implants, recent advances in amplification devices, & research trends.

Practicals: Orientation to hearing aids, associated technology and equipment used in the evaluation of candidates for hearing instruments and assistive devices.

Assessment: 2 tests, 1assignment (60%), and one 2-hour exam (40%). A subminimum mark of 40% is required for the examination.

DP Requirement: In order to gain entry to the exam, students must; Attend 100% of their practical sessions and a minimum of 75% of the lectures and obtain a CAM of ≥40%

Auditory Processing Disorders

CPAU303 W2 (27L-0T-6P-0S-26H-20R-0F-0G-1A-7W-8C)

Prerequisite: CPAU401WY, CPAU421WY, CPAU402WY, CPAU404W2, CPAU411W1, CPSL451Y

Corequisite:

Aim: To provide learning opportunities to facilitate a theoretical understanding of the nature and management of auditory processing disorders in children.

Content: Perspectives on auditory processing, neuroanatomy and physiology of the central auditory system, auditory processing of speech, definition of auditory processing and auditory processing disorders, auditory processing & attention deficit, auditory processing and speech-language disorders, assessment and management of auditory processing disorders

Practicals: orientation to audiologist and speech-language therapists' assessment tools for Central Auditory Processing Disorders.

Assessment: 1test, 1assignment, and one 1-hour exam. A subminimum mark of 40% is required for the examination.

DP Requirement: In order to gain entry to the exam, students must; Attend a minimum of 75% of the lectures and obtain a CAM of ≥40%.

A lecture note fee of R50-00 will be charged for this module.

Aural Rehabilitation:Adults

CPAU304 W2 (20L-0T-13P-0S-26H-20R-0F-0G-1A-13W-8C)

Prerequisite: for CPAU402WY,CPAU401WY,CPAU411W1,CPAU404W2,CPAU421WY

Aim: To provide learning opportunities to facilitate the understanding of assessment and management issues and methodologies pertaining to aural rehabilitation of the adult and older adult.

Content: degeneration of the auditory System, pathology : presbycusis and central auditory pathology, modification of conventional test battery, counselling, evaluation and benefit of amplification devices; group and individual management strategies; speech conservation.

Practicals: Exposure to and orientation to test procedures and intervention strategies.

Assessment: tests, assignment (60%), and a one -hour written examination (40%). A subminimum mark of 40% is required for the examination.

DP Requirement: A minimum of 75% lecture attendance is required and compulsory attendance at practicals and obtain a CAM of ≥40%.

Aural Rehabilitation:Children
CPAU311 W1 (59L-0T-9P-0S-5H-5R-0F-0G-2A-13W-8C)
Prerequisite: for CPAU404W2, CPAU402WB, CPAU411W1
Corequisite: CPAU304W2
Aim: To provide learning opportunities to facilitate the understanding of assessment and management issues and methodologies pertaining to aural rehabilitation of the preschool and school aged hearing impaired child.
Content: The communication model, early intervention with young hearing impaired children, role and responsibility of parents, family - centred intervention, communication options, oralism, total communication, bilingualism-biculturalism, assessment and intervention of communication function pertaining to speech development, language development, sensory information (speech reading, audition) in hearing impaired children of all ages
Practicals: Visit to school for the deaf, practice and observation of procedures
Assessment: tests, assignment (60%), and a two-hour written examination (40%). A subminimum mark of 40% is required for the examination.
DP Requirement: 100% attendance at practicals and 75% lecture attendance and obtain a CAM of ≥40%.

Sign Language and Deaf Culture
CPAU313 W2 (29L-0T-30P-0S-10H-10R-0F-0G-1A-13W-8C)
Prerequisite: For CPAU402WY,CPAU404W2
Aim: To facilitate an understanding of sign language from a linguistic / socio-linguistic perspective, and establish an awareness of deafness as a cultural phenomenon.
Content: nature of sign language, history of sign language, myths and misconceptions, acquisition of sign language, Structure of sign language, Deaf culture, human rights issues.
Practicals: Weekly sign language lessons offered by a Deaf tutor over 13 weeks
Assessment: 1theory test, 1theory assignment, 1 practical test- (60%), and a 1-hour written examination (40%)
DP Requirement: 100% attendance at practicals and 75% attendance at lectures and obtain a CAM of ≥40%.

Clinical Practice:Paediatric & Special Popul
CPAU321 W1 (0L-20T-39P-0S-29H-20R-0F-52G-0A-13W-16C)
Prerequisite: for CPAU402WY, CPAU403WY, CPAU421WY, CPAU404W2, CPAU411W1
Corequisite: CPAU301W1
Aim: To provide clinical learning opportunities and supervision to develop clinical skills/competencies in the assessment and management of the paediatric and difficult-to-test population
Content: Case history taking, modification of conventional test battery including PCA, VRA, TROCA, BOA, and WIPI; categories of difficult-to-test clientele, speech audiometry, modification of masking techniques, test interpretation, test methodologies and equipment, objective and subjective measures for paediatric and difficult-to-test clients, reliability and validity issues, early identification and screening, recording of test results, evaluation of procedures, report writing, special tests for functional hearing loss, & early identification of hearing loss.
Practicals: Exposure to test equipment and a variety of clients in the paediatric clients
Assessment: 100% continuous assessment, clinical evaluation (x2), reports (x2), clinical test, case presentation (x1).
DP Requirement: The requirement shall be: Attendance of all scheduled contact periods in clinical modules except where the student has been specifically excused from a particular session by the Head of School or his or her authorized representative, and Submission of a resource file for paediatric hearing assessments
A transportation fee of R195-00 will be charged for this module.

Clinical Practice:Rehabilitation Technology
CPAU322 W2 (0L-26T-26P-0S-30H-15R-0F-62G-1A-13W-16C)
Prerequisite: for CPAU402WY, CPAU421WY, CPAU411W1, CPAU404W2
Corequisite: CPAU301W1
Aim: To develop clinical competencies in the selection, evaluating, and monitoring of rehabilitation technology, especially hearing aids, and counselling for the hearing impaired population.

Content: Electro-acoustics and hearing aids, assistive devices, technological advances earmould impression taking and modification, case interview and needs analysis; hearing instrument selection and evaluation methodologies, counselling and orientation, procurement options of instruments, ethical issues, special applications of amplification, clinical research in the S. A. context, report writing and administration
Practicals: Orientation to hearing aids, associated technology and equipment used in the evaluation of candidates for hearing instruments and assistive devices.
Assessment: Continuous assessment =1 X Oral clinical practical test (30%), 1 X clinical case presentation (5%), 1 X clinical evaluation (50%), 1 X written clinic test (10%), Report writing (5%).
DP Requirement: The requirement shall be attendance of all scheduled contact periods in clinical modules except where the student has been specifically excused from a particular session by the Head of School or his or her authorised representative.
A transportation fee of R195-00 will be charged for this module.

Auditory Evoked Potentials: Early Responses

CPAU342 W2 (59L-5T-4P-0S-5H-5R-0F-0G-2A-13W-8C)

Prerequisite: for CPAU411W1,CPAU441W1,CPAU403WY,CPAU404W2
Aim: to provide learning opportunities for students in order to define, describe and explain the concepts and theories that underlie auditory evoked potential testing, and advanced objective testing procedures based on electrophysiological principles.
Content: anatomical and physiological background, acoustic signal generation and selection, computer averaging, instrumentation,auditory evoked potentials (electro-cochleography,auditory brainstem testing, event-related 40Hz technique, middle latency response) description of test procedures, test parameters, description of response patterns for normal and pathological cases, clinical applications, evaluation of test, research trends.
Practicals: Exposure and 'hands on' training in and orientation to test equipment and test procedures.
Assessment: Tests and assignments (60%) and Final Exams (40%) constitute the final mark. A subminimum mark of 40% is required for the examination. A final mark of 50% constitutes a pass.
DP Requirement: 100% attendance at practicals and 75% coursework lectures and obtain a CAM of ≥40%.

Industrial Audiology

CPAU401 W1 (27L-0T-6P-0S-26H-20R-0F-0G-1A-7W-8C)

Corequisite: CPAU412W2
Aim: To provide learning opportunities to facilitate the understanding of noise, its measurement, effects and control.
Content: Parameters of noise, instrumentation and measurement of noise, effects of noise exposure, and susceptibility to noise- induced hearing loss, damage risk criteria, and diagnosis of noise induced hearing loss and differential diagnosis, principles and implementation of a comprehensive industrial hearing conservation program, legislation relating to noise control and issues related to compensation.
Practicals: Practical orientation to policy, equipment, and hearing conservation standards. Practical exposure to occupational noise measurements and the planning and implementation of conservation strategies.
Assessment: MARKS are equally weighted=1 test, 1 assignment, and one 1 hour exam. A subminimum mark of 40% is required for the examination.
DP Requirement: In order to gain entry to the exam, students must; Attend 100% of their practical sessions and a minimum of 75% of the lectures and obtain a CAM of ≥40%.

Clinical Practice: Aural Rehabilitation

CPAU402 W2 (0L-48T-4P-0S-50H-20R-0F-117G-1A-26W-24C)

Aim: To provide learning opportunities to develop clinical competencies necessary for the management of the hearing impaired child and adult.
Content: Communication assessment (formal and informal procedures), speech-language intervention as it pertains to hearing impairment and the consideration of communication/educational options available, family centered intervention, early intervention, management of pre-school and the school aged child, adult and older adult.
Assessment: Clinical evaluations, 2 X tests, 1 X case presentation, 1 X group project, and clinical reports- 75% of year mark, final oral examination - 25% of final Mark. A subminimum of mark of 45% is required for the oral exam.
DP Requirement: 100% attendance at all scheduled sessions. Submission of a clinical portfolio
A transportation fee of R390-00 will be charged for this module.

Clinical Practice: AEP & Vestib. Assessments

CPAU403 WY (0L-52T-2P-0S-52H-16R-0F-117G-1A-26W-24C)

Aim: To provide students with opportunities to learn and to conduct specific auditory electrophysiological tests or measures. In so doing, appropriate skills/competencies will be developed. These relate to the selection of appropriate tests, their administration, recording, and interpretation and making decisions/recommendations regarding subsequent management of clients/patients.

Content: Familiarity with and use of auditory and vestibular evoked potential test systems; calibration requirements; identification of patients that require auditory evoked potential and or vestibular assessments; symptomatology; associated pathological conditions; the case history interview; selection and administration of appropriate electrophysiological tests; data analysis and interpretation; reporting results; management and referral practice; limitations of auditory and vestibular evoked potential tests and testing

Practicals: Exposure to and 'hands on' clinical training on test equipment and test materials and practice in using test protocols

Assessment: Continuous over the clinic year. (75%) Plus 1 Clinical Oral Exam (25%). A minimum of 45% CAM/year mark is required to permit the student to sit the final clinical exam. A subminimum of mark of 45% is required for the oral exam. There are no supplementary examinations for this final year clinical module

DP Requirement: 100% attendance at practicals and Fieldwork. Submission of clinical portfolio

A transportation fee of R390-00 will be charged for this module.

Special topics in Audiology

CPAU404 W2 (0L-0T-0P-11S-53H-15R-0F-0G-1A-7W-8C)

Aim: To develop an understanding of recent advances in the areas of assessment, management, and research in the discipline of Audiology. This course is seen as an exciting challenge to the senior student in the Audiology programme. It addresses areas not extensively probed and addressed in the programme. It encourages critical appraisal of new approaches, and systems in the practice of Audiology. Discussions that ensue in the presentations are in keeping with the specialist qualification of Audiology.

Content: Recent advances & special topcs in assessment, treatment/management and research in Audiology.

Assessment: For individual presentations, the student will be allocated 70% for the written presentation, and 30% for the oral presentation; the latter includes participation and discussion. 1X1 hour examinations shall contribute to 40% of the final mark. A subminimum mark of 40% is required for the examination.

DP Requirement: 100% attendance at all scheduled sessions.

Research Practice

CPAU411 W1 (8L-20T-0P-6S-65H-0R-40F-0G-21A-26W-16C)

Aim: To familiarize students with basic research principles and methods so as to conduct research in the disciplines of Audiology.

Content: Identification of research needs, protocol development, practical aspects of research methodology, literature surveys, methods of data analysis, interpretation and discussion, report writing, editorial care and presentation skills.

Assessment: Evaluation of a written research report.

DP Requirement: As per faculty rules.

Clinical Practice: Industrial Audiology

CPAU412 W2 (0L-14T-0P-0S-7H-6R-0F-52G-1A-13W-8C)

Corequisite: CPAU401W1

Aim: To develop competencies necessary to plan and implement an Industrial Hearing Conservation Programme in a selected industrial setting.

Content: Noise, types of noise, noise measurement instrumentation, noise survey, legal aspects and legislation. Industrial conservation programme management. Selection, fitting and evaluation of hearing protection devices.

Assessment: clinical assignment (15%), clinical practice and oral review (60%) – constitutes 75% of year mark, oral examination –25%. Continuous assessment, semester mark shall contribute to 100% of the final mark. A subminimum of mark of 45% is required for the oral exam.

DP Requirement: 100% attendance at all scheduled sessions. Submission of a clinical portfolio.

A transportation fee of R195-00 will be charged for this module.

Clinical Practice:General and Advanced

CPAU421 WY (0L-55T-2P-0S-52H-13R-0F-117G-1A-26W-24C)

Aim: To facilitate development of competencies in preparation for indepedent practice in audiology.

Content: Case interviews, test modification, management of children and difficult-to-test, advanced electrophysiological testing, advanced rehabilitation technology, promotion and prevention of hearing disorders, aural rehabilitation of the adult and child, programme management, resourse development, central auditory function test, clinical research- identification of need, management of hearing loss in adulthood, counselling ,training parents, teachers, and co-workers, interdisciplinary management of hearing & hearing related disorders.

Assessment: 100% Continuous assessment = 2Xclinical evaluation, 2Xclinical tests, 1X case presentation, 1Xgroup presentation (75%), oral examination (25%). A subminimum of mark of 45% is required for the oral exam.

DP Requirement: 100% attendance at all scheduled sessions. Submission of a clinical portfolio

A transportation fee of R390-00 will be charged for this module.

Clinical Practice: Community Based Rehabilita

CPAU431 WY (0L-16T-0P-25S-48H-6R-0F-63G-2A-26W-16C)

Aim: TO develop skills: in working within a community-based rehabilitation context and at a household level, with individuals with severe and multiple handicapes, within a transdisciplinary model of service delivery.

Content: Community access; the facilitation and running of support groups for children with severe disability, involving caregiver, child and CHW; Issues related to learning disability and disadvantage in relation to school readiness; Policy around disability; advocacy.

Practicals: 23 weeks engagement at community level; 1 week orientation;1week case presentation;1 week handover presentation.

Assessment: Formative Assessment: 2 x oral presentations for a group mark which will include a case presentation in the first semester and a handover presentation in the second semester Individual clinical mark. This will be determined by continuous assessment of individual clinical practice with clients and team work with groups. Individual assessment of reflective journal Examination Guidelines: Summative Assessment: 1 oral exam which will include an external examiner approved by Faculty Calculation of marks Case presentation (group mark) 15% Handover presentation (group mark) 25% Individual clinical mark 50% Journal 5% Peer evaluation 5% Calculation formula of the final mark: CAM weighted 75% and oral exam weighted 25% Rules in terms of supplementary: there is no supplementary examination for this module. A subminimum of mark of 45% is required for the oral exam.

DP Requirement: 75% attendance required; total year mark includes groups and individual assessment as described above. submission of a clinical portfolio.

A lecture note fee of R100-00 will be charged for this module. A transportation fee of R330-00 will be charged for this module.

Auditory Evoked Potentials: Late Responses an

CPAU441 W1 (39L-20T-4P-5S-5H-5R-0F-0G-2A-13W-8C)

Corequisite: CPAU403WY, CPAU404W2

Aim: TO provide learning opportunities to extend the application of electrophysiological testing principles to cortical response audiometry and the assessment of the vestibular system.

Content: Cortical evoked response measures-late and very late response (P300 and contingent negative variation): vestibular assessment-case history, interdisciplinary assessment, principles underlying ENG examination, test procedures for central and peripheral test batteries, test parameters, normal and pathological response patterns, clinical application, test evaluation, research needs.

Practicals: Exposure to and orientation to test equipment and test procedures. 'Hand on' clinical training in these areas.

Assessment: Tests and assignments (60%) and a 1hour final exam. (40%). A subminimum mark of 40% is required for the examination.

DP Requirement: Attendance at 75% of the lectures, 100% at the tutorials and obtain a CAM of ≥40% will be considered in the final granting of a DP.

A lecture note fee of R50-00 will be charged for this module.

Diversity in practice of communication pathol
CPAU801 W1 (6L-10T-0P-0S-304H-0R-0F-0G-6A-13W-33C)
Prerequisite: CPA810WB,CPAU810WY
Corequisite: NONE
Aim: To facilitate learners' understanding & critical reflection of practice in Communication Pathology within a diverse context.
Content: Critical study of the concept of diversity logy. Emphasis is placed on the following: evaluation of current assessment and management tools; principles of resource development; modification/development of culturally and linguistically appropriate resources.
Practicals: NONE
Assessment: assignment outline (20%); assignment (80%)
DP Requirement: 90% attendance at tutorials

Advanced studies in diagnostic audiology
CPAU802 W2 (0L-10T-0P-0S-304H-0R-0F-0G-6A-0W-32C)
Prerequisite: CPAU810WB,CPAU810WY
Corequisite: NONE
Aim: To facilitate learners' critical study of recent and relevant literature in a selected theme within the broad field of diagnostic audiology
Content: Critical review of theoretical assumptions underlying diagnostic audiometric procedures; relevance of current behavioural and electro-physiological measures; recent advances in the field of diagnostic audiology; assessment issues with culturally diverse populations; hearing assessment across the age range
Practicals: NONE
Assessment: assignment outline (20%); assignment (80%)
DP Requirement: 90% attendance at tutorials
A laboratory fee is payable for this module.

Research Methodology
CPAU803 W1 (6L-10T-0P-0S-138H-0R-0F-0G-6A-0W-16C)
Prerequisite: CPA810WB,CPAU810WY
Corequisite: NONE
Aim: To facilitate the learner's understanding of the research process & development of a research proposal.
Content: What is research, identifying the research problem, ethics in research, critical review of the literature & development of rationale, research designs (quantitative & qualitative), data analysis and interpretation, research proposal, research report
Practicals: NONE
Assessment: Research proposal (100%)
DP Requirement: 90% attendance at tutorials

Advanced studies in Industrial Audiology
CPAU804 W2 (0L-10T-0P-0S-304H-0R-0F-0G-6A-13W-32C)
Prerequisite: CPAU810WB,CPAU810WY
Corequisite: NONE
Aim: To facilitate learners' critical study of the recent and relevant literature in a selected theme within the broad field of industrial audiology
Content: Critical evaluation of health care in industry; promotion; survey; development, implementation and evaluation of hearing conservation programmes in industry.
Practicals: NONE
Assessment: assignment outline (20%); assignment (80%)
DP Requirement: 90% attendance at tutorials
A laboratory fee is payable for this module.

Advanced studies in deafness

CPAU806 W2 (0L-10T-0P-0S-304H-0R-0F-0G-6A-13W-32C)

Prerequisite: CPAU810WB,CPAU810WY
Corequisite: NONE
Aim: To facilitate learners' critical study of recent and relevant literature in the field of sign language and deaf issues as applied to the profession of communication pathology and deaf education.
Content: Debates surrounding the cultural view of deafness; status of sign language; critical evaluation of educational options in deaf education; implications of the bilingual-bicultural view on deafness for the profession of audiology
Practicals: NONE
Assessment: assignment outline (20%); assignment (80%)
DP Requirement: 90% attendance at tutorials

Advanced studies in Audiological management

CPAU808 W2 (0L-10T-0P-0S-304H-0R-0F-0G-6A-13W-32C)

Prerequisite: CPAU810WB,CPAU810WY
Corequisite: NONE
Aim: To facilitate learners' critical study of recent and relevant literature in a selected theme within the broad field of audiological management
Content: Critical review of the management of the hearing impaired population (infant to geriatric); strategies and implications in managing congenital and acquired hearing loss; critical evaluation of communication methods/philosophies in managing hearing impairment; educational audiology; recent advances in rehabilitation technology.
Practicals: NONE
Assessment: assignment outline (20%); assignment (80%)
DP Requirement: 90% attendance at tutorials
A laboratory fee is payable for this module.

Short Dissertation

CPAU811 WY (0L-10T-0P-1S-621H-0R-160F-0G-8A-13W-80C)

Prerequisite: CPA810W1; CPA803W1,CPAU810WY,CPAU803W1
Corequisite: nil
Aim: To facilitate the learner's ability to conduct research & submit a short-dissertation on an approved topic.
Content: Planning the research process, developing data collection instruments, obtaining ethical clearance, implementing data collection, analysis and interpretation of findings, & writing a research report.
Practicals: NONE
Assessment: Research report (100%)
DP Requirement: 90% attendance at tutorials and presentations at seminar

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Communication Pathology - Speech Language Pathology

Offered in the School of Audiology, Occupational Therapy & Speech Language Pathology

Introduction to Communication Pathology

CPSL101 (52L-0T-6P-0S-14H-6R-0F-0G-2A-13W-8C)

Prerequisite: CPSL201WY, CPAU231WY
Aim: To introduce the professions of Speech-Language Pathology and Audiology; to provide an understanding of normal communication within the framework of cultural and communication models; to provide a life-span view of communication development; to introduce principles and ethical issues relating to assessment and therapy.

Content: Process of normal communication and communication breakdown, introductory physiology of speech and hearing, culture and language, models of classification of communication disorders, developmental aspects of communication and norms development, scope and background to the profession, ethical considerations
Assessment: Summative assessment: 1x 2 hour written exam which will cover content of the entire module. Questions will require short paragraphs or short essay answers. Subminimum for the exam : 40% A student who achieves an exam mark above 40% and an overall final mark of between 40 and 49% will qualify for a supplementary exam. The final mark is calculated by weighting the semester mark (CAM) 60% and the exam mark 40%. CAM computed from 4 equally weighted tasks, each to contribute to 25% of CAM 2 x assignments - the first on the professions and the second on normal development. 2 x 1 hour tests;. A subminimum mark of 40% is required for the examination.
DP Requirement: Minimum attendance: 75% of lectures ; and minimum of 40% for CAM
A lecture note fee of R60-00 will be charged for this module.

Clinical Phonetics

CPSL111 W1 (49L-0T-11P-0S-10H-8R-0F-0G-2A-13W-8C)

Prerequisite: CPSL211W1, CPSL201WY
Aim: To provide a theoretical introduction to and practical skills and transcribing and reading the international Phonetic Alphabet, and to provide a foundation of key concepts and skills in phonology, syntax (Functional Grammar), morphology, semantics, and of understanding the acoustic properties of speech sounds, all for the purposes of application to normal and disordered communication, with specific reference to the English and Zulu Languages.
Content: Phonetics, Phonology, Morphology, Functional Grammar, Physics of Speech; Semantics, Zulu Phonology, English Phonology
Practicals: Phonetics, Phonology, Functional Grammar, Morphology
Assessment: Summative Assessment: One 2-hour exam of short questions Formative assessment: Three written tests. All formative assessments are weighted equally. Each test and/or assignment is calculated as a percentage. Exam mark: One written paper as a percentage. Final mark: is by formula Final mark calculation formula: 60% of CAM + 40% of Exam Mark. A subminimum mark of 40% is required for the examination. Rules in terms of supplementary exam: As per faculty rule
DP Requirement: Students must both attend at least 75% of lectures and obtain a CAM of at least 40%.
A lecture note fee of R100-00 will be charged for this module.

Speech Sound System Disorders

CPSL112 (48L-2T-2P-0S-16H-10R-0F-0G-2A-13W-8C)

Prerequisite: for CPSL201WY, CPSL211W1, CPSL203W2, CPSL214W2
Corequisite: CPSL101W1, CPSL111W1
Aim: To provide learning opportunities so that students are able to understand the nature of developmental speech sound system disorders, the assessment and treatment principles and methodologies, with specific focus on English and Zulu sound systems.
Content: General signs of articulatory/phonetic, and phonological speech sound system disorders, description of speech sound system disorders, assessment using formal and informal procedures, approaches to intervention including articulatory and phonological approaches.
Practicals: Observation visits to SSSD clinic
Assessment: Formative Assessment will comprise: Two tests, short questions. Sample work. Informal assessment procedure work Assessment and therapy plans Observation reports from your two clinic observations Mark calculation: The formula for working out the CAM will be: Tests 42%, samples work 32%, assessment and therapy plans 12%, observation reports 12%, informal assessment procedure work 2%. Summative Assessment: One 2-hour exam of short questions. The exam is moderated internally. A subminimum mark of 40% is required for the examination. Final mark: is by formula Final mark calculation formula: 60% of CAM + 40% of Exam Mark. Rules in terms of supplementary exam: As per faculty rule.
DP Requirement: Students must both attend at least 75% of contact periods and obtain a CAM of at least 40%.
A lecture note fee of R60-00 will be charged for this module.

Clinical Linguistics

CPSL124 (49L-0T-11P-0S-10H-8R-0F-0G-2A-13W-8C)

Prerequisite: for CPSL211W1, CPSL301WY

Corequisite: CPSL111W1

Aim: To provide theoretical and practical capability in clinical aspects of language analysis and use. Introduce the theoretical and practical basis to genre and register theory in the clinical context. To introduce theoretical, practical and clinical aspects of sociolinguistics. functional grammar, with specific application to the practice of speech-language therapists and audiologists, especially in South Africa/Kwazulu-Natal for application with normal and disordered communication.

Content: Genre & register theory (clinical genres, orature genres) advanced clinical linguistics, clinical phonetics, language & dialect and change quantitative approaches to the analysis of linguistic variation cognitive linguistics, social aspects (politeness, power, professional discourse)

Assessment: Summative Assessment: 1x 2-hr exam of short questionsExamination Guidelines: Summative Assessment. One written examination paper of 2 hours of short questions. Phonetic transcription is marked negatively. Calculation of marks: Formative assessment: Three written tests and perhaps an assignment. All formative assessments are weighted equally. Each test and/or assignment is calculated as a percentage. Exam mark: one written paper as a percentage. Final mark: is by formula Final mark calculation formula: 60% of CAM + 40% of Exam Mark. A subminimum mark of 40% is required for the examination. Rules in terms of supplementary exam: As per faculty rule

DP Requirement: Both a minimum 75% lecture attendance and a CAM of at least 40%

A lecture note fee of R75-00 will be charged for this module.

Clinical Practice:Speech Sound System Disord

CPSL201 (0L-54T-0P-0S-95H-5R-0F-86G-0A-26W-24C)

Prerequisite: FOR CPSL301WY, CPSL356WY, CPSL352WY

Aim: To develop clinical skills necessary for the assessment and management of phonologically and articulatory - based speech sound system disorders especially in children, with specific focus on Zulu - and English -speaking clientele.

Content: Interviewing, resource development, assessment, therapy, report writing, home-programmes, self-evaluation, observation, supervised assessment and management of clients at a University-based clinic and development of relevant materials

Assessment: Formative Assessment: 100% year mark, comprised of evaluations for the following: assessment report/s, progress/final reports, daynotes, therapy marks, presentations, production of home programmes, assessment resource development, therapy resource development, Record keeping, observation reports and other tasks which may arise Calculation of marks: 100% continuous assessment mark constitutes final mark as there is no examination for this module. See module descriptor for details.

DP Requirement: Assessment is via continuous assessment and no DP is required

Speech Disorders:Cleft Palate and Voice

CPSL203 (54L-0T-6P-0S-16H-2R-0F-0G-2A-13W-8C)

Prerequisite: for CPSL352WY, CPSL356WY

Corequisite: CPSL203W2

Aim: To provide learning opportunities to facilitate understanding of the nature, assessment and treatment of functional and organic voice disorders. To develop an understanding of the nature of craniofacial disorders in general, and the assessment and management of cleft lip and palate in particular

Content: The nature of voice disorders, incidence, functional disorders, organic voice disorders, assessment, and management approaches to functional and organic voice disorders including laryngectomee rehabilitation. The nature of cleft lip and palate, clinical features, problems in oral communication, subjective and objective assessment methods; surgical and therapeutic management

Assessment: Formative Assessment, The following will constitute the CAM for the module: 2 assignment, 2 oral presentations and 2 tests Summative Assessment -Examination Guidelines: 2 x 1 hour exams. Paper 1 will be Cleft Palate and Paper 2 Voice Disorders Each paper will contribute 50% to the exam mark Both sections will comprise short questions A subminimum mark of 40% is required for each of paper 1 & paper 2. Formative assessment: to be calculated based on a combination of test, presentation and assignment marks (see module descriptor) Summative assessment: Each paper will contribute 50% to the exam mark. The student has to obtain a subminimum of 40% in each paper Calculation formula of the final mark: the examination mark will constitute 40% of the final mark and the formative assessment mark 60% of the final mark Rules in terms of supplementary exam: as per discipline rules on supplementary examinations. Student will write a supplementary exam in the paper/section failed only
DP Requirement: In order to gain entry to the exam, students must have attended at least 75% of lectures, and obtained a CAM of at least 40%.

Developmental Language Disorders

CPSL211 (45L-0T-10P-0S-10H-13R-0F-0G-2A-13W-8C)

Prerequisite: for CPSL301WY
Aim: The module is aimed at facilitating an understanding of the nature of developmental language disorders, assessment and intervention, within a framework of cultural, linguistic and communicative diversity (English and IsiZulu).
Content: The content covered in this module will include theories of language acquisition, bilingual language development, theories of disordered language, assessment principles and methodologies, differential diagnosis, prevention, promotion and early intervention, theories, principles and methodologies of language intervention, service delivery models
Assessment: Formative Assessment: Students will write two tests (short questions) and submit one assignment. Each test is conducted at the end of each term. The assignment is submitted in the middle of term two. Detailed information regarding each task will be provided during lectures Summative Assessment: Students will write one two-hour examination. The paper will consist of short questions. A subminimum mark of 40% is required for the examination. Calculation of marks: Each component of the formative assessment will be weighted equally. The final mark will consist of 60% of the semester mark and 40% of the examination mark.
DP Requirement: Minimum of 75% lecture attendance and CAM of at least 40%
A lecture note fee of R60-00 will be charged for this module. A transportation fee of R15-00 will be charged for this module.

Intro to Severe Dev Communication Disorders

CPSL214 (39L-0T-13P-0S-10H-16R-0F-0G-2A-13W-8C)

Prerequisite: for CPSL331W1, CPAU303W2
Corequisite: CPSL211W1
Aim: To introduce students to severe communication disorders which are frequent in the South African context or which fall into the workload and clinical expertise of audiologists and speech-language therapists
Content: An overview of each severe developmental disorder disorder will be presented, including general, communication, language speech and auditory characteristics. Associated problems will be highlighted. Areas to be covered will be: autistic spectrum disorders, cerebral palsy, and developmental dysarthria, Cognitive impairment, with unidentified form, as well as Down Syndrome, Fragile X, Foetal Alcohol Syndrome; Language Learning Disability; Attention Deficit Disorder. The importance of ruling out hearing loss as a contributory factor in disorders such as developmental apraxia of speech and in specific language impairment will be raised.
Assessment: Formative Assessment: Two tests (essay type questions), and one assignment, written in the latter half of the module and equally weighted Summative Assessment: 1x two hour paper comprising two 50 mark essay questions A subminimum mark of 40% is required for the examination. The exam is internally moderated.Calculation of marks Calculation formula of CAM Test 1 (33.3%) + Test 2 (33.3%) + assignment (33.3%) Calculation formula of exam mark Q1 + Q2 =100% Calculation formula of the final mark CAM: exam weighting is 60%/40%. Faculty rules apply for supplementary examination
DP Requirement: Minimum CAM of 40% and minimum 75% lecture attendance

Clinical Practice:Developmental Language Dis

CPSL301 (20L-26T-0P-0S-60H-16R-0F-118G-0A-26W-24C)

Prerequisite: FOR CPSL451WY CPSL453WY CPSL457W1 CPSL401WY

Aim: To develop clinic competencies related to the management of developmental language disorders within a framework of linguistic diversity

Content: Developmental, and ecological language assessment. Development of appropriate assessment test materials. Treatment planning and execution, clinical evaluation of progress, report writing. Working with a diversity of children, focus on bilingual and multilingual clients. Working with interpreters. Prevention and promotion based strategies at institutional level. Clinical intervention at an appropriate setting in the community. Practical sessions once weekly over the academic year.

Assessment: 100% continuous assessment Evaluation of therapy, reports, case presentation, group project and clinical observation. Calculation of marks: Assessment work makes up 50% of the CAM: 10% from client evaluation; 30% from the assessment report (First Draft-60 Second Draft-40); 5% from the case presentation on assessment; 5% from observation of assessment Intervention work makes up 50% of the CAM: 30% from client intervention (First session-40/ Second session-60); 10% from progress report; 5% from the Group Project on intervention and 5% from Clinical Observation of intervention

DP Requirement: Assessment is via continuous assessment and no DP is required

A lecture note fee of R60-00 will be charged for this module. A transportation fee of R195-00 will be charged for this module.

Augmentative and Alternative Communication

CPSL321 (39L-0T-3P-0S-26H-10R-0F-0G-2A-13W-8C)

Prerequisite: FOR CPAU402WY, CPAU404W2, CPAU431WY, CPSL453WY, CPSL455WY, CPSL457W1, CPSL401WY, CPSL411W1

Corequisite: CPAU313W2

Aim: to provide learning opportunities to facilitate understanding of assessment and management issues and methodologies pertaining to those with little or no functional speech to facilitate an understanding of the identification and management of infants and toddlers presenting with communication disorders.

Content: What is AAC, Who uses AAC, communication symbols, encoding, access, message input and output, aided and unaided communication, AAC service delivery, assessment models and phases, decision making and intervention. Please refer to the module descriptor for further details. Introduction to ECI- History and the role of the SLP and Audiologist, populations at risk for communication disorder-established versus at risk, review of normal development, Assessment: definitions, family-centred approaches, the SA context, family focused intervention programmes, resources for therapy, culturally sensitive intervention, working with special populations, efficacy of ECI, future ECI trends. Refer to lecture schedule and content areas below.

Assessment: Formative Assessment: The following will constitute the CAM for the module: AAC: 1 assignment, development of a therapy activity using a communication board, critical evaluation of site visit and 1 test ECI: 1 test and 1 assignment to be equally weightedExamination Guidelines: Summative Assessment: 2 x1 hour exam papers – AAC and ECI Both sections will comprise short questions A subminimum mark of 40% is required for each of paper 1 & paper 2. Calculation of marks: Summative assessment: Each paper will contribute 50% to the exam mark. The student has to obtain a sub minimum of 40% in each paper Calculation formula of the final mark: the examination mark will constitute 40% of the final mark and the formative assessment mark 60% of the final mark Rules in terms of supplementary exam as discipline rules on supplementary examinations. A supplementary examination will be done in the failed section only.

DP Requirement: In order to gain entry to the exam, students must have attended at least 75% of lectures, and have a CAM of at least 40%

A transportation fee of R30-00 will be charged for this module.

Fluency Disorders

CPSL326 W1 (39L-0T-13P-0S-16H-10R-0F-0G-2A-6W-8C)

Prerequisite: for CPSL457W1

Corequisite: CPSL351WY

Aim: To provide learning opportunities to describe and define the nature of fluency disorders with specific reference to developmental stuttering within a theoretical framework of culture and communication; review the assessment parameters and protocols, and to provide an overview of the intervention methodologies used in the management of stuttering (all developmental levels i.e. beginning, intermediate and advanced); raise awareness of research and management issues in the South African context.

Content: Definition of stuttering, nature of stuttering, types of fluency disorders; theoretical perspectives on etiology and nature stuttering, assessment methods for the child and adult stutterer, assessment parameters, intervention issues, therapy approaches for the beginning, intermediate and adult stutterer, management of stuttering in the South African context, research needs.

Practicals: To provide learning opportunities for the development of clinical skills in preparation for the management of fluency. Fluency assessment and intervention methodologies. Counseling skills.

Assessment: Formative Assessment: This entails observation which allows the tutor to determine the degree to which you the student knows or is able to do a given learning task and which identifies the part of the task that the student does not know or is unable to do. This enables providing prescriptive feedback on the task to the student. The CAM is comprised of 2x tests and 1x assignment. Examination Guidelines: Summative assessment entails an assessment where the primary purpose is to give a quantitative grading and make a judgment about the student's achievement. 1x 2 hour examination is conducted for this module, comprising of essay and/or short questions. A A subminimum mark of 40% is required for the examination. Supplementary examination- as per Faculty rules As this module is a prerequisite for Clinical Practice: Fluency Disorders, if a student does not pass the module in the examination period, they will be required to deregister from CPSL351WY at the beginning of semester 2. Calculation of marks Calculation formula of CAM: 2x tests and 1x assignment equally weighted Calculation for examination: one mark of 100% Calculation formula of the final mark: CAM:examination = 60:40

DP Requirement: Minimum 75% attendance at all scheduled periods and a CAM of at least 40%

Severe Developmental Communication Disorders

CPSL331 (48L-0T-10P-0S-10H-10R-0F-0G-2A-13W-8C)

Prerequisite: FOR CPSL451WY, CPS453WY,CPSL457W1, CPSL401WY, CPSL411W1

Aim: To revisit the notions of developmental and categorical views of speech and language disorders, to describe selected severe communication disorders in terms of general and specific characteristics and to discuss specific assessment and intervention issues.

Content: Developmental and categorical views of speech and language disorders, cause, diagnosis, contributory and maintaining factors. General and specific characteristics of SDCDs, of speech disorders, developmental dysarthria and developmental apraxia of speech, of language disorders; learning disabilities (including attention deficit disorder, oral and written language), cognitive impairment (including severe handicap, multiple handicap, and example types, Down Syndrome, Foetal Alcohol Syndrome, Fragile X), autism, specific language impairment, and areas of overlap; general and specific assessment and management for SDCDs including prevention, early identification and intervention, life span management issues, systems approach, literacy and written language, alternative and augmentative communication, consultation, collaboration, educational implications and options, public policy and rulings, etc.

Practicals: supervised visit to centre(s) providing services to children with SDCDs

Assessment: Formative Assessment: Two tests (essay type questions), and one assignment, written in the latter half of the module and equally weightedSummative Assessment. 1x two hour paper comprising two 50 mark essay questions A subminimum mark of 40% is required for the examination. The exam is externally examined. Calculation of marks: Calculation formula of CAM Test 1 (33.3%) + Test 2 (33.3%) + assignment (33.3%) Calculation formula of exam mark Q1 + Q2 =100% Calculation formula of the final mark CAM: exam weighting is 60/40. Faculty rules apply for supplementary examination

DP Requirement: Minimum CAM of 40% and minimum 75% contact period attendance

A transportation fee of R15-00 will be charged for this module.

Neurologically Acquired Communication Disorde

CPSL332 (54L-0T-0P-1S-10H-13R-0F-0G-2A-13W-8C)

Prerequisite: FOR CPSL411WY, CPSL455WY, CPSL457W1

Aim: To facilitate learners understanding of the nature, assessment and rehabilitation of adults with Head Injury, Dementia, Right hemisphere disorders and Dysphagia

Content: Nature, theoretical perspectives, assessment and treatment of each disorder

Assessment: Formative Assessment : 2 tests; 2 x oral presentations; 1 x assignment = 100% CAM Summative Assessment: 2hr exam = 100% Examination Guidelines: entails an assessment where the primary purpose is to give a quantitative grading and make a judgment about the student's achievement. 1 written paper 2 hours in duration = 100% exam mark A subminimum mark of 40% is required for the examination. Questions: essay/short questions There is an internal examiner and a faculty approved external examiner for this module Calculation of marks Formative assessment: 2 x tests; 2 x oral presentations; 1 x assignment = 100% CAM Exam mark: 100% Calculation formula of the final mark: 60% of CAM + 40% of exam mark Minimum mark required to qualify for supplementary examination: A final mark of 40 - 49% is required to qualify for a supplementary examination Rules in terms of supplementary: as per faculty rule

DP Requirement: Attend a minimum of 75% of lectures, tutorials and obtain a CAM of at least 40%

A transportation fee of R15-00 will be charged for this module.

Aphasia & Motor Speech Disorders

CPSL333 W1 (47L-2T-4P-4S-9H-9R-0F-3G-2A-13W-8C)

Prerequisite: for CPSL457W1; CPSL455WY

Corequisite: CPSL332W2

Aim: To facilitate learners understanding of the nature, assessment and rehabilitation of adults presenting with aphasia, dysarthria and apraxia of speech

Content: Nature, theoretical perspectives, assessment & treatment for aphasia, dysarthria & apraxia of speech

Assessment: Formative Assessment: entails observation which allows the tutor to determine the degree to which you the student knows or is able to do a given learning task and which identifies the part of the task that the student does not know or is unable to do. This enables providing prescriptive feedback on the task to the student. 2 tests; 2 x oral presentations; 1 x assignment = 100% CAM Summative Assessment: 2hr exam = 100% Examination Guidelines: an assessment where the primary purpose is to give a quantitative grading and make a judgment about the student's achievement. 1 written paper 2 hours in duration = 100% exam mark A subminimum mark of 40% is required for the examination. Questions: essay/short questions There is an internal examiner and a faculty approved external examiner for this module Calculation of marks Minimum mark required to qualify for supplementary examination: A final mark of 40 - 49% is required to qualify for a supplementary examination Rules in terms of supplementary: as per faculty rule

DP Requirement: Attend a minimum of 75% of scheduled periods and obtain a CAM of at least 40%

Clinical Practice:Fluency Disorders

CPSL351 (0L-26T-0P-0S-60H-12R-0F-62G-0A-20W-16C)

Prerequisite: FOR CPSL457W1

Corequisite: CPSL326W1

Aim: To provide learning opportunities to develop clinical skills/competencies necessary for effective management of clients (all ages) who present with fluency and related communication problems.

Content: Assessment protocols, management programmes for children and adults, stuttering modification therapy, fluency shaping therapy, integrated approach to treatment, group therapy, intervention with teachers, and parents, stuttering support group, local needs, cross-cultural (crosslinguistic therapy, community based intervention).

Practicals: Clinical sessions in educational, and other settings. Clinical intervention with adults and children

Assessment: Formative Assessment: This entails observation which allows the tutor to determine the degree to which you the student knows or is able to do a given learning task and which identifies the part of the task that the student does not know or is unable to do. This enables providing prescriptive feedback on the task to the student. Students will be evaluated throughout the module for: 1. Clinical work, including direct therapy (x 3 sessions) and support group (x 1 session). 2. Assessment reports 3. Progress/ termination reports (For details of mark allocation see module descriptor)

Examination Guidelines: Summative Assessment. No examination is conducted for this module. Assessment is via continuous assessment. Calculation of marks & Calculation formula of CAM: Marks will be allocated and calculated as follows (at least): 3 X clinical evaluation 1 X support group session 1 X assessment reports 1 X progress report Calculation formula of the final mark: The CAM shall contribute 100% toward the final mark.
DP Requirement: Assessment is via continuous assessment and no DP is required
A transportation fee of R290-00 will be charged for this module.

Clinical Practice:Voice Disorders

CPSL352 (0L-12T-0P-0S-22H-0R-0F-46G-0A-13W-8C)

Aim: To develop clinical competencies and provide experience necessary for the management of voice disorders.
Content: Voice assessment and technology in assessment and treatment, laryngeal and a laryngeal speech, interdisciplinary context, administration and report writing, common voice problems, management options and approaches. One term of hospital – based observation, ward rounds and clinical intervention ; one term of campus based clinic direct client contact under supervision
Assessment: Formative Assessment Tasks: Includes independent resource development (file and pamphlet), pamphlet presentation, assessment and intervention, and report writing/record keeping. Continuous assessment of clinical practice to generate 60% of year mark. This includes: • 1x Assessment plan per pair of students per patient. This plan will be marked twice, when handed in and when it appears in the final assessment report. A mark will be deducted for every correction not completed in your final submission. • 1x Assessment Report per pair of students per patient including proposed therapy plan • 1x Progress/termination report per pair per patient. • 2x evaluations of clinical practice for each clinician per patient- First evaluation (mock) Second (clinic mark).Examination Guidelines: Summative Assessment. There is no examination for this module Calculation of marks: Continuous assessment of clinical practice to generate 60% of year mark. 40% of mark to come from resource and materials development. Calculation formula of CAM will be negotiated with students at the outset of the module.
DP Requirement: Assessment is via continuous assessment and no DP is required
A transportation fee of R195-00 will be charged for this module.

Clinical Practice:Cranio-Facial Disorders

CPSL356 (0L-12T-0P-0S-18H-0R-0F-46G-4A-13W-8C)

Prerequisite: FOR CPSL457W1
Aim: To develop clinical competencies and provide clinical experience in the management of clients with craniofacial disorders
Content: Assessment methodology, craniofacial disorders treatment planning for clients with interdisciplinary team management. One term of hospital – based observation, ward rounds and clinical intervention ; one term of campus based clinic direct client contact under supervision weighted
Assessment: Formative Assessment: 100% year mark, with no final examination, comprised of: individual therapy, observation, speech and language screening, presentations, resource development. 100% attendance at all scheduled sessions (tutorials and clinic) is required Examination Guidelines: Summative Assessment. There is no examination for this module. Calculation of marks: 100% continuous assessment mark, as outlined in formative assessment
DP Requirement: Assessment is via continuous assessment and no DP is required
A transportation fee of R60-00 will be charged for this module.

Clinical Practice:Community Based Rehabilita

CPSL401 WY (0L-16T-0P-25S-48H-6R-0F-63G-2A-26W-16C)

Aim: To develop skills :in working within a community-based rehabilitation context and at a household level, with individuals with severe and multiple handicap, within a transdisciplinary model of service delivery.
Content: Community access; The facilitation and running of support groups for children with severe disability, involving caregiver, child and CHW; Issues related to learning disability and disadvantage in relation to school readiness; Policy around disability; advocacy . 23 weeks engagement at community level; 1 week orientation; 1 week case presentation; 1 week handover presentation

Assessment: Formative Assessment: 2 x oral presentations for a group mark which will include a case presentation in the first semester and a handover presentation in the second semester Individual clinical mark. This will be determined by continuous assessment of individual clinical practice with clients and team work with groups. Individual assessment of reflective journal Examination Guidelines: Summative Assessment: 1 oral exam which will include an external examiner approved by Faculty Calculation of marks Case presentation (group mark) 15% Handover presentation (group mark) 25% Individual clinical mark 50% Journal 5% Peer evaluation 5% Calculation formula of the final mark: CAM weighted 75% and oral exam weighted 25% A subminimum of mark of 45% is required for the oral exam. Rules in terms of supplementary: there is no supplementary examination for this module
DP Requirement: 100% attendance at all scheduled periods and a CAM of at least 45%. Compliance with all clinical requirements before completion of clinic (eg. Records/reports). Compliance with ethical/professional conduct requirements.
A lecture note fee of R100-00 will be charged for this module. A transportation fee of R390-00 will be charged for this module.

Service Delivery Models and Professional Prac

CPSL403 W1 (22L-0T-0P-40S-5H-9R-2F-0G-2A-13W-8C)

Aim: To facilitate learners understanding of models of service delivery and professional management issues within the discipline of speech-language pathology
Content: (1) Models of service delivery (theory & application to the management of communication disorders within the South African context); (2) Health and Education legislation and policy guidelines governing professional practice; Professional Ethics and practice; Interdisciplinary team practice; Continuing professional development
Practicals: Field trips to sites utilizing different models of service delivery
Assessment: Formative Assessment entails observation which allows the tutor to determine the degree to which you the student knows or is able to do a given learning task and which identifies the part of the task that the student does not know or is unable to do. This enables providing prescriptive feedback on the task to the student 100% CAM shall constitute the following : Models of service delivery: 1 test = 100% Professional Issues: 100% - comprising: Oral presentation (20%) Written presentations (70%) Chairing session (5%) Participation in seminars (5%) Summative Assessment: 2x1 hour written examinations. Summative assessment entails an assessment where the primary purpose is to give a quantitative grading and make a judgment about the student's achievement Paper 1 (Models of service delivery) = 100% exam mark Paper 2 (Professional Issues) = 100% exam mark A subminimum mark of 40% is required for each of paper 1 & paper 2. Questions: essay/short questions Calculation of marks Formative assessment: 50% test + 50% (oral presentation + written presentation + chairing session + participation) = 100% CAM Exam mark: (Paper 1 + Paper 2) x ½ = 100% exam mark Calculation formula of the final mark: 60% of CAM + 40% of exam mark Minimum mark required to qualify for supplementary examination: A final mark of 40 - 49% is required to qualify for a supplementary examination Rules in terms of supplementary: the student may write a supplementary in the failed paper/section only
DP Requirement: Attend a minimum of 75% of scheduled periods, and obtain a CAM of at least 40%
A lecture note fee of R60-00 will be charged for this module.

Research Practice

CPSL411 W1 (8L-20T-0P-6S-105H-0R-0F-0G-21A-26W-16C)

Aim: To familiarize students with basic research principles and methods so as to conduct research in the disciplines of Speech-Language Pathology
Content: Identification of research needs, protocol development, practical aspects of research methodology, literature surveys, methods of data analysis, interpretation and discussion, report writing, editorial care and presentation skills.
Assessment: The written report is assessed. Calculation of marks The final mark is determined by the average of the internal mark and external mark. Supplementary examination: As per Faculty rule
DP Requirement: As per faculty rules.

Clinical Practice:Language Learning Disabili

CPSL451 (0L-25T-0P-6S-68H-34R-0F-103G-4A-34W-24C)

Aim: To facilitate development of clinical competencies in assessing and managing the severe developmental communication disorders particularly the language learning disabled student; in assessing and treating higher language function, reading ability, written language ability

Content: Issues related to severe developmental communication disorders, written language, higher language function. Language learning disability, bilingualism and multicultural issues, report writing, current issues and development, independence in assessment and therapy, clinical practice issues. Management of clients at university based clinic and in school setting under supervision

Assessment: Formative Assessment : Clinical year mark allocated as follows: -Full Assessment report (one client) 20 % of CAM; average of other reports 7.5% of CAM -Termination/progress reports (all clients)- average of all 7.5% of CAM -Therapy mark: at least 2 evaluations for one client, , third mark to come from group therapy; all 3 marks equally weighted: total 50% of CAM The therapy mark will be allocated as follows: daynotes 20% ; aims (as per daynotes) achieved/ adequate explanation if not achieved 20%; relevance of materials used and activities selected 20%; behaviour management of child /group 20%; self-evaluation 20% Summative Assessment: There will be an oral exam. An external examiner approved by Faculty will be present. A subminimum of mark of 45% is required for the oral exam. Calculation formula of the final mark: CAM weighted 75% and exam mark weighted 25% Rules in terms of supplementary: No supplementary examination as per discipline rule

DP Requirement: Full attendance at all scheduled sessions and CAM of at least 45%. Compliance with all clinical requirements before completion of clinic (eg. Records/reports). Compliance with ethical/professional conduct requirements.

A transportation fee of R390-00 will be charged for this module.

Clinical Practice:Severe Developmental Commu

CPSL453 (0L-56T-0P-0S-50H-16R-0F-117G-1A-26W-24C)

Aim: To develop clinical competencies necessary for the management of complex communication disorders associated with cerebral palsy, cognitive impairment, autism and other problems.

Content: Assessment protocols, treatment issues, AAC, educational issues, programme planning, implementation, classroom based intervention, bilingual and multilingual clients, training assistants, teachers, parents, administrative supervised assessment, management, services and observation of children with CDCDs at schools and units

Assessment: Evaluations during the course of the module will constitute 75% of the final mark. The year mark shall be determined by continuous evaluation of individual clinical practice including therapy, reports, projects at the venue, and by the evaluation of a portfolio to be submitted with final reports. Examination Guidelines: Summative Assessment. Each student will have an oral exam lasting approximately 30 minutes. An external examiner will be present All questions will be focussed on clinical practice A subminimum of mark of 45% is required for the oral exam. There is no supplementary examination. Calculation of marks: 75% continuous assessment mark (reports, therapy, projects, record keeping, professionalism, etc.) & 25% oral exam Supplementary exam procedures as per discipline/faculty supplementary examination rules

DP Requirement: 100% attendance at all scheduled sessions (tutorials and clinic) and minimum 45% CAM Compliance with all clinical requirements before completion of clinic (eg. Records/reports). Compliance with ethical/professional conduct requirements.

A transportation fee of R390-00 will be charged for this module.

Clinical Practice:Neurologically Acquired Co

CPSL455 (0L-26T-0P-0S-67H-29R-0F-117G-1A-26W-24C)

Aim: To develop clinical competencies in the management of clients with neurologically acquired communication disorders and dysphagia

Content: case interview, assessment, treatment, interdisciplinary team management, group facilitation, workshop planning & implementation

Practicals: Fieldwork: assessment and therapy planning & implementation; observation of barium swallow & videofluoroscopic studies; group facilitation, reflective practice

Assessment: Formative Assessment: This entails observation of the student to determine attitude. knowledge and clinical skills development with respect to required learning outcomes, for the purpose of providing prescriptive feedback to facilitate learning. Reports; Therapy; Project; Resource File = 100% CAM Summative assessment: Oral examination = 100%Examination Guidelines: Summative Assessment oral examination = 100% Questions: case studies; all neurologically acquired communication disorders and dysphagia clients assessed, treated and observed; journal articles discussed at tutorials; videofluoroscopic studies observed. A subminimum of mark of 45% is required for the oral exam. The examination is conducted by internal examiner/s and a faculty approved external examiner Calculation of marks Formative assessment: Reports (25%)+Therapy (60%)+ Project (5%) + Resource File (10%) = 100% CAM Exam mark: oral examination = 100% Calculation formula of the final mark: 75% CAM + 25% exam mark Supplementary examination: none as per discipline rule
DP Requirement: Attend 100% of clinics and tutorials and obtain a CAM of at least 45% as per discipline rule; submit all clinical reports and client files. Compliance with all clinical requirements before completion of clinic (eg. Records/reports). Compliance with ethical/professional conduct requirements.
A transportation fee of R390-00 will be charged for this module.

Clinical Practice:Initial Assessment

CPSL457 (0L-15T-0P-0S-20H-5R-0F-39G-1A-13W-8C)

Aim: To develop clinical competencies in initial assessment of clients with communication disorders.
Content: Initial assessment, case interview, planning, selection of test material, resource development and information gathering for assessment, counselling, feedback. Clinical Practical & Supervision: supervised assessment and observation of varying cases
Assessment: Formative assessment: This will be determined by continuous assessment of individual clinical practice with clients. For each client seen, the mark is out of 200. The report is out of 100 marks, and the preplanning, assessment and feedback is out of 100. Tasks may be set for any student at any IA and will be allocated a percentage mark. Summative assessment: Oral examination = 100% Examination Guidelines: Summative Assessment The format of the examination is questions about all clients seen in and tasks relating to the IA clinic, and possible questions about paper cases, speech-language assessment tools and interpretation of results. A subminimum of mark of 45% is required for the oral exam. The examination is conducted by internal examiner/s and a faculty approved external examiner. Calculation of marks Formative assessment: The CAM is comprised of each assessment mark (count 23% each), each report mark (count 23% each) and an average task mark (counts 8%) for two initial assessments; or of each Assessment mark (count 16% each), each report mark (count 16% each) and an average task mark (counts 4%) for three initial assessments = 100% CAM Strict and severe penalties apply for any lack of fulfillment of clinical and professional responsibilities. Any unscheduled absence or failure to make arrangements will result in a non-negotiable 0% for that IA. See module descriptor for details. Calculation formula of the final mark: 75% CAM + 25% exam mark Supplementary examination: none as per discipline rule Feedback is provided verbally and in writing for the IA and in writing for the report.
DP Requirement: Attend 100% of clinics and tutorials and obtain a CAM of at least 45% as per discipline rule; submit all clinical reports and client files. Compliance with all clinical requirements before completion of clinic (eg. Records/reports). Compliance with ethical/professional conduct requirements.

Advanced studies in Bi/multilingualism

CPSL802 W2 (0L-10T-0P-0S-304H-0R-0F-0G-6A-13W-32C)

Prerequisite: CPSL811WB
Corequisite: nil
Aim: To facilitate learners' critical study of the acquisition of a second or third language in the socio-political context of South Africa
Content: Theories of bilingual development, assessment and intervention with the bilingual child, typologies of bilingual education, positioning the profession in relation to language and education, national and educational language policies, critical sociolinguistics and SLP.
Assessment: Assignment outline (20%); Assignment (80%)
DP Requirement: 90% attendance at tutorials

Research methodology
CPSL803 W1 (6L-10T-0P-0S-138H-0R-0F-0G-6A-13W-16C)
Prerequisite: CPSL811WB
Corequisite: nil
Aim: To facilitate learners' understanding of the research process & development of a research proposal.
Content: What is research, identifying the research problem, ethics in research, critical review of the literature & development of rationale, research designs (quantitative & qualitative), data analysis and interpretation, research proposal, research report.
Assessment: Research proposal (100%)
DP Requirement: 90% attendance at tutorials

Advanced studies in speech, Voice & Fluency
CPSL804 (0L-10T-0P-0S-304H-0R-0F-0G-6A-13W-32C)
Prerequisite: CPSL811WB
Corequisite: nil
Aim: To facilitate learners' critical study of recent and relevant literature within a selected theme.
Content: The nature, assessment, treatment of normal and disordered speech, voice and fluency across the age range, implications of multicultural and multilingual factors in management.
Assessment: Assignment outline (20%); Assignment (80%)
DP Requirement: 90% attendance at tutorials

Advanced studies in neurologically acquired S
CPSL806 (0L-10T-0P-0S-304H-0R-0F-0G-6A-13W-32C)
Prerequisite: CPSL811WB
Corequisite: nil
Aim: To facilitate learners' critical study of recent and relevant literature within a selected disorder.
Content: Current advances in the nature, assessment and treatment of neurologically acquired communication disorders (including aphasia, dysarthria, apraxia of speech, head injury, right hemisphere & dementia) and dysphagia within a multicultural / multilingual context.
Assessment: Assignment outline (20%); Assignment (80%)
DP Requirement: 90% attendance at tutorials

Advanced studies in developmental language
CPSL808 (0L-10T-0P-0S-304H-0R-0F-0G-6A-13W-32C)
Prerequisite: CPSL811WB
Corequisite: Nil
Aim: To facilitate learners' understanding and critical evaluation of recent and relevant literature in the area of developmental language.
Content: The focus is on monolingual development, within a framework of cultural and linguistic diversity, with specific reference to Zulu and/or English. The course covers developmental language and language disorders from infancy to the pre-school years. Language development and disorders is studied within a broader socio-linguistic framework, including the field of critical linguistics
Assessment: Assignment outline (20%); Assignment (80%)
DP Requirement: 90% attendance at tutorials

Advanced studies in severe developmental comm
CPSL810 (0L-10T-0P-0S-304H-0R-0F-0G-6A-13W-32C)
Prerequisite: CPSL811WB
Aim: To facilitate learners' study of current trends relevant to the South African context in the field of severe developmental communication disorders.

Content: Advanced issues pertaining to communication disorders across the age range, associated with cognitive impairment, learning disability, cerebral palsy, & autism. Current trends in assessment & service delivery models, management tools, programmes & strategies, with particular reference to secondary & tertiary levels of intervention.
Assessment: Assignment outline (20%); Assignment (80%)
DP Requirement: 90% attendance at tutorials

Short dissertation

CPSL811 WY (0L-10T-0P-1S-621H-0R-160F-0G-8A-13W-80C)
Prerequisite: nil
Corequisite: nil
Aim: To facilitate the learner's ability to conduct research and submit a short dissertation on an approved topic
Content: Planning the research process, developing data collection instruments, obtaining ethical clearance, implementing data collection, analysis and interpretation of findings, & writing a research report
Assessment: Research report (100%)
DP Requirement: 90% attendance at tutorials & seminars

Occupational Therapy

Offered in the School of Audiology, Occupational Therapy & Speech Language Pathology

Community Studies

HLSC116 W2 (0L-0T-0P-0S-60H-23R-15F-60G-2A-13W-16C)
Corequisite:
Aim: To facilitate the development of knowledge of and attitudes and skills appropriate for comprehensive primary health care and community based health care To train graduates who will function competently, sensitively and compassionately in response to national need and to be agents of change To educate health professionals through early socialisation to the principles, processes and values of community-based primary health care
Content: This interdisciplinary Faculty module introduces students to the concepts of primary health care, community based health care, health promotion The module is designed around the implementation of an awareness creation workshop in selected schools within the identified community with the theme " creating supportive environments for health." The content focus is on health care, particularly a changing model of health care delivery shifting from the medical, curative model to a promotive, preventive and social development model. Lecture, tutorial and practical periods run sequentially on one morning per week to integrate theory with practice. The methodological focus is on learning and teaching through dialogue. Teaching teams comprising academic, service and community partners facilitate each session. The following content is covered: 1. What is health: 2. What is community: 3. Health and development: 4. The National Health System :
Practicals:
Assessment: Individual marks 5% of CAM for full attendance Students are required to submit 4 x logs, 3 of which contribute 20% to the year mark (CAM) An assignment contributes 50% to the CAM Group mark: A group mark is awarded for conducting a community meeting; this mark contributes 25% to CAM
DP Requirement: As per Faculty rule

Clinical Sciences (Medicine, Microbiology, Pe

HLSC301 W1 (30L-0T-10P-0S-18H-20R-0F-0G-2A-13W-8C)
Prerequisite: Anatomy and Physiology as done per Discipline
Aim: To introduce health science students to relevant terminology, diagnostic and pathophysiological foundations of disease/disorder; and a range of paediatric and neurological conditions and their medical management

Content: Path: Intro and general principles; fluid and electrolyte balance; oedema and haemorrhage; shock; acute and chronic inflammation; auto-immunity, healing and repair; infections including HIV; cell death and gangrene; thrombosis and embolism; ischemia and infarction; disorders of growth (tumours); metabolism and disorders. MicroBiology: Overview; nutrition and cultivation of micro-organisms (viruses, bacteria, fungi, protozoa, algae); control of micro-organisms (disinfection, sterilization); antibiotics and other chemotherapeutic agents; immunity; wound and skin infections; reading of test results. Neurology: Infection and inflammation (polio, GBS, cerebral abscess, Meningitis Encephalitis); Demyelinative disease (MS, transverse myelitis); Degenerative Disease (Parkinson's, UMN- and LMN disease, cerebral atrophy, chorea, muscular dystrophy); CVA; Tumours; metabolic and toxic disorders (polyneuritis, peripheral neuropathy, porphyria); pain management (e.g. chemotherapy); other (epilepsy, Myasthenia Gravis, syringomyelia). Paediatrics: growth and development; the newborn; infections; intellectual impairment; Cerebral Palsy; Floppy infants; Hydrocephalus; Spina Bifida.
Assessment: 4 Written tests, one per section of 45 minute duration each One written exam of 2 hours duration. A 40% subminimum for the exam, or component of the exam shall apply.
DP Requirement: As per Faculty rule

Clinical Sciences (Orthopedics)

HLSC302 W2 (30L-0T-10P-0S-18H-20R-0F-0G-2A-13W-8C)

Prerequisite: Anatomy and Physiology as done per Discipline.
Aim: To introduce health science students to relevant terminology, diseases/conditions, aetiology, pathology, clinical features,prognosis, diagnosis, differential diagnosis, medical treatment/management within the field of orthopaedic and orthopaedics trauma
Content: Fractures : classification/types, causes, treatment, complications; injuries around shoulder joint; dislocation of AC joint, fractures of clavicle, scapula and elbow joint; fractures of shaft humerus, radius and ulnar; fractures/injuries of wrist, fingers and hand Infections of joints and management' surgical procedures on joints (arthoplasty, arthpdesis etc.) Degenerative diseases of joints (OA, AVN) Fractures of spine and their management Causes and management of sprains, strains, dislocation and subluxation of joints Peripheral nerve injuries Contractures and compartment tunnel syndromes Soft tissue release procedures Tendon injury and management with special reference to hand Fractures of shaft of femur; fractures and injuries around hip, neck of femur and slipped epiphysis
Assessment: Formative (50%) minimum of 2 tests. Summative (50%) 1 x 2 hour paper. A 40% subminimum for the exam, or component of the exam shall apply.
DP Requirement: As per Faculty rule

Clinical Sciences (Medicine, General Surgery)

HLSC303 W1 (30L-0T-10P-0S-18H-20R-0F-0G-2A-13W-8C)

Prerequisite: Anatomy and Physiology as done per Discipline
Aim: To introduce health science students to relevant terminology, diagnostic and pathophysiological foundations of disease/disorder; and a range of conditions and their medical and surgical management
Content: Surgery: Head injury; thoracic trauma; peritonitis / acute abdomen; peripheral arterial disease / amputations; burns; urology; diabetic foot. Medicine: cardiology (includes congenital heart disease, Rh heart disease, Myocardial infarct, hypertension, congestive heart failure); respiratory tract (includes TB, tumours, pneumo-thorax, lung abscess, bronchial asthma); endocrine system (diabetes, pituitary and thyroid gland)
Assessment: 2 Written tests, one per section of 45 minute duration each One written exam of 2 hours duration. A 40% subminimum for the exam, or component of the exam shall apply. CAM and final examination mark will be averaged out
DP Requirement: As per Faculty rule

Clinical Sciences: Rheumatology, Occupational

HLSC304 W2 (30L-0T-10P-0S-18H-20R-0F-0G-2A-13W-8C)

Prerequisite: Anatomy and Physiology as done per Discipline.
Aim: To introduce health sciences students to Pharmacology, pharmokynetics and pharmo-dynamics, and drug transmission To introduce health sciences students to relevant terminology, aetiology, pathology, prognosis, clinical features, diagnosis/differential diagnosis, and medical treatment/management of inflammatory conditions To introduce students to the field of occupational/public health

Content: Pharmacology : Introduction to Pharmacology. Intro to Pharmaco-Kinetics, Pharmaco-Dynamics. Neurotransmission. Drugs acting at the neuromuscular junction. Intro to ANS pharmacology. Intro to CNS pharmacology Rheumatology : Including Rheumatoid Arthritis, other inflammatory conditions, SLE, Scleroderma, Polimyositis and Dermatomyositis, Ser.; negative Arthritis, Gout, OA, PMS, PSS, DMA, Lumbar spondylosis, soft tissue lesions, psychogenic rheumatism, haemophilia, regional pain syndromes Occupational/public health – an introduction : Primary health Care, health promotions principles, health management systems
Assessment: 2 Written tests of 45 minute duration each. (1 x Pharmacology, 1 x Rheumatology and Occupational/Public Health) One written exam of 2 hours duration covering all sections. A 40% subminimum for the exam, or component of the exam shall apply.
DP Requirement: As per Faculty rule

Clinical Sciences (Psychiatry)

HLSC305 W1 (30L-0T-10P-0S-18H-20R-0F-0G-2A-13W-8C)

Prerequisite: Anatomy and Physiology as done per Discipline
Aim: To introduce health science students to relevant terminology, diseases/conditions, aetiology, pathology, clinical features, diagnosis, prognosis and medical treatment/management applicable to psychiatric conditions.
Content: Signs and symptoms; schizophrenia; other psychotic disorders; mood disorders; depressive and bipolar spectrum; anxiety disorders; dementia; alcohol related disorders; psychiatric manifestations of HIV; disorders of childhood; personality disorders; psychosomatic disorders; Mental Health Act; cultural psychiatry; psychogeriatrics, transcultural psychiatry, legislation and policy.
Practicals: Attendance of at least one teaching ward round, this may be done on a rotation basis/may form part of fieldwork placement requirements
Assessment: 2 Written tests of 45 minutes duration One written exam of 2 hours duration. A 40% subminimum for the exam, or component of the exam shall apply.
DP Requirement: As per Faculty rule

OT Methods Introduction

OCTH122 W2 (14L-0T-50P-0S-8H-4R-0F-0G-4A-13W-8C)

Aim: To develop knowledge and appreciation of 'Activity' / 'Occupation' in OT and activity / occupation in daily life.
Content: Performance areas – characteristics, unique features, categorization. Performance contexts. Activity selection principles, activity analysis, adaptation and grading. Knowledge and skill in a number of selected leisure, play, work and personal management activities. Appropriate paper technology – design principles and manufacture. Assessment of the Individual, objects and facilities.
Practicals: This includes ALL activity teaching and practicals as identified above in the lecture content.
Assessment: One (1) written theory exam of 2 hours duration. Submission of three (3) activity files. Design and Drawing, Appropriate Paper Technology (APT), and Sport and Leisure. APT table and all other articles as made during activity teaching labs. Games assignment.Two (2) theory tests. Assessment weighting: CAM Activity files: 30% Articles: 30% Games Assignment: 10% Tests: 30% Semester mark contributes 80%, and exam mark 20% to final mark. No subminimum for exam. Pass mark for exam 50%.
DP Requirement: In order to gain entry to the exam, students must; Attend 80% of all lectures and practicals (activity labs).
A lecture note fee of R30-00 will be charged for this module.

OT Procedures Assessment

OCTH131 W1 (38L-0T-8P-0S-10H-20R-0F-0G-4A-6.5W-8C)

Aim: To introduce students to Occupational Therapy assessment procedures and fundamental skills in terms of person, object,context and facility assessment
Content: OT assessment and assessment in the OT process. Assessment process and purpose, classifying data, data collection means, data recording methods, and data interpretation. Assessment of the Individual, objects contexts and facilities
Practicals: To gain hands on experience assessing a facility and an object

Assessment: Formative:One (1) group assignment (15%) related to assessment and two (2) (15%) assingnments related to facility & object. Summative: One (1) written exam paper of 2 hours duration. The Semester mark contributes 50% and the Exam mark 50% to the Final Mark. There is no exam subminimum. To pass the module students must achieve a Final Mark of at least 50%.
DP Requirement: Students must attend 80% of all theory lectures.
A lecture note fee of R30-00 will be charged for this module.

OT Procedures Planning

OCTH132 W2 (16L-0T-30P-0S-13H-10R-6F-0G-5A-13W-8C)

Aim: To introduce students to OT planning procedures and fundamental skills in OT planning
Content: THEORY: Introduction to the module; value and purpose of planning, planning context and principles. Introduction to performance areas, components and contexts. Principles of treatment.Different programmes (Prom, Prev, Rem, Reh etc) and approaches to treatment.
Assessment: Formative: Two (2) written theory tests. One (1) case write-up.One (1) group presentation.as part of mock practical.Total 100 with each task carrying an equal weighting. Summative: 1 written exam paper 2 hrs duration. CAM:EXAM = 50:50. To pass the module students must achieve a Final mark of at least 50%. No exam subminimum.

DP Requirement: Attend 80% of lectures Attend 100% of all practicals and fieldwork
A lecture note fee of R30-00 will be charged for this module. A transportation fee of R30-00 will be charged for this module.

OT Fundamentals 1

OCTH151 W1 (30L-8T-8P-0S-10H-20R-0F-0G-4A-6.5W-8C)

Aim: This Module is designed to develop an understanding of concepts fundamental to the OT profession and introduction to health care in general. The main aim of this Module is to provide students with insight to historical and philosophical development of the profession; orientation to OT practice and related terminology and orientation to OT as a health care profession.
Content: An orientation to OT- history,definitions,aims,policy and philosophy,areas of practice and roles of the OT. An introduction to OT Theory and Practice- the person, environment,occupational and therapist interaction. Understanding OT in the context of health care and health team. OT in Health Care- an introduction to human development,health,illness and disability. Development and control of the Profession (HPCSA,OTASA,WFOT).
Practicals: A day long visit to two (2) OT sites to illustrate the role and scope of OT practice currently. These visits will take place during the orientation week, prior to the official commencement of Semester 1.
Assessment: Formative ASsessment: Two (2) written theory tests. One (1) orientation visit report. Summative: One (1) written exam paper of 2 hours duration. The Semester mark contributes 50% and the Exam mark 50% to the Final Mark. To pass the module students must achieve a Final Mark of at least 50%.
DP Requirement: Attend at least 80% of the theory lectures.
A lecture note fee of R30-00 will be charged for this module. A transportation fee of R15-00 will be charged for this module.

Psychosocial Theory and Fieldwork 2

OCTH211 W1 (75L-0T-30P-0S-30H-19R-0F-78G-8A-13W-24C)

Aim: For students to gain knowledge and insight into the theory, principles and practice of assessment in relation to specific symptomatology as applied to the psychosocial field of OT practice. It provides students with assessment skills that are required in the clinical field when one has to treat individuals or groups of patients. The practical component of the module gives students an opportunity to assess patients in hospital settings and thus exposes them to a variety of patients with physical conditions.
Content: Theory: Introduction to psychiatry: Introduction to psychosocial assessment, Practical demonstration: Psychiatric interview, Mini-Mental and Mental Status Examination,Theory: Introduction to formal and informal assessment methods, Practical demonstration:Psychiatric interview; Mini-Mental and Mental Status Examination.Theory: Introduction to formal and informal assessment methods, Practical demonstration: 3 selected formal assessments, Informal assessment areas of work, personal maintenance, leisure and socialisation using activity, Theory:Assessment and treatment of Psychosocial symptoms in Occupational Therapy.

Practicals: Fieldwork & supervision: 1 morning per week (6 hours) for the duration of the semester, at a site dependent on the fieldwork placement areas available from year to year. Full-time on-site clinical teaching and supervision by a university appointed supervisor.
Assessment: Formative: 2 written tests (43%), midterm treatment demo and verbal presentation of individual case, written case study (7%), clinical performance mark (50%). Summative: 3 hour written exam (335), final verbal presentation (27%), final demo and evaluation (27%) and demo of assessment (13%). CAM:EXAM= 70:30. Exam paper subminimum 40%. To pas the module studnet must achieve a final mark of 50%.
DP Requirement: Attend at least 80% of the theory lectures, attend 100% of all practical demonstrations, mock practicals and fieldwork, achieve 45% average on all theory tests and a minimum of 55% in their fieldwork clinical performance
A lecture note fee of R100-00 will be charged for this module. A transportation fee of R195-00 will be charged for this module.

Physical Theory & Fieldwork 2

OCTH212 W2 (54L-10T-30P-0S-41H-19R-0F-78G-8A-13W-24C)

Aim: For students to gain knowledge and insight into the theory, principles and practice For students to gain knowledge and insight into the theory, principles and practice of assessment in relation to specific symptomatology as applied to the physical field of OT practice. It will enable students to develop assessment skills that are required in the clinical field for treatment of individuals or groups of patients. The practical/fieldwork component of the module gives students an opportunity to assess patients in hospital settings and thus exposes them to a variety of patients with physical conditions. of assessment in relation to specific symptomatology as applied to the physical field of OT practice. It will enable students to develop assessment skills that are required in the clinical field for treatment of individuals or groups of patients. The practical/fieldwork component of the module gives students an opportunity to assess patients in hospital settings and thus exposes them to a variety of patients with physical conditions.
Content: General principles of assessment procedures and precautions related to sensory motor performance components. Assessment of occupational performance components, with particular emphasis on the sensory motor components.
Practicals: Some class room one-on-one practice will occur with some of the signs/symptoms described above. There will be a hand assessment practical where students will visit a unit where hands are treated and be expected to do a full assessment of an individual with a hand injury. This can be any other morning other than a Tuesday. This practical should happen after the students have had lectures on hand assessment.
Assessment: Formative: 2 written tests (43%), midterm treatment demo and verbal presentation of individual case, written case study (7%), clinical performance mark (50%). Summative: 3 hour written exam (335), final verbal presentation (27%), final demo and evaluation (27%), and demo of assessment 13%. CAM:EXAM = 70:30%. Exam paper subminimum of 40%. To pass, student must achieve a final mark of 50%.
DP Requirement: Attend 80% of lectures/seminars, attend 100% of practicals and fieldwork, achieve 45% average on all tests, assignments and seminars, Attain 55% for their fieldwork performance assessment. Comply with professional ethical requirements
A lecture note fee of R100-00 will be charged for this module. A transportation fee of R195-00 will be charged for this module.

OT Methods 1

OCTH221 W1 (14L-0T-38P-0S-15H-8R-0F-0G-5A-13W-8C)

Prerequisite: OCTH122W2
Aim: To provide students with knowledge and skill in activity analysis and the use of activity as an assessment tool. Knowledge and skill in a number of activities/occupations and media, including contructive recreational, leisure and work related activities.
Content: Theory: An introduction to the module. 1 lecture. Theory: Activity analysis. 14 lectures. Practical: Woodwork. 18 periods. Practical: Yarn crafts. 26 periods.
Practicals: This includes ALL activity teaching and practicals as identified above in the lecture content.

Assessment: Formative: Activity files. Woodwork and Yarn Crafts, including activity analysis (30%), Finished articles as manufactured during the module (20%), OSPE (test) (40%), one (1) written test on activity analysis (10%). Summative: One (1) OSPE exam. Semester mark contributes 67%, and exam mark 33% to final mark. Pass mark for exam 50%.
DP Requirement: In order to gain entry to the exam, students must; Attend 80% of all lectures and practicals (activity labs).
A lecture note fee of R50-00 will be charged for this module.

OT Methods 2

OCTH222 W2 (0L-0T-50P-0S-18H-8R-0F-0G-4A-13W-8C)

Prerequisite: OCTH122W2
Aim: To provide students with further knowledge and skill in activity analysis and the use of activity as an assessment tool. Knowledge and skill in a number of activities/occupations and media, including sewing, wire work, leatherwork, shoe repairs, gardening and bead work.
Content: 50 hours on activity teaching offered by Mr Muller-Nedebock and Mrs McIntyre. The pace of skill development indicating progress onto new topics.
Practicals: This includes ALL activity teaching and practicals as identified above in the lecture content.
Assessment: Formative: Activity file to include: Sewing, beadwork, wirework, shoe repairs, and activity analysis (30%) Finished articles (as manufactured during the module) (20%) OSPE (test) (50%) Summative: One (1) exam OSPE Semester mark contributes 67%, and exam mark 33% to final mark. Pass mark for exam 50%.
DP Requirement: In order to gain entry to the exam, students must; Attend 80% of all lectures and practicals (activity labs).
A lecture note fee of R50-00 will be charged for this module.

OT Procedures Performance Areas 1

OCTH231 W1 (43L-0T-10P-0S-10H-11R-0F-0G-6A-13W-8C)

Aim: This module constitutes the primary domains of OT practice. The aim of this module is therefore to develop the students knowledge, skill and appropriate behaviours regarding the application of various techniques / methods / tests / procedures and /or principles commonly used in OT for the assessment and intervention for different performance areas and everyday activities as these occur in different contexts.
Content: General introduction to theoretical constructs as related to human occupational performance. Human Development. Home Management. leisure. Socialisation.
Practicals: Practicals for this module form part of the theory teaching, and are slotted in as necessary and appropriate. Students can expect to spend about 10 hours on these aspects.
Assessment: Formative: 3x assignments (Home management, Leisure and Play), 3 Tests (2 x Human Development, Socialisation, Leisure and Play and 1x home Management). Summative: 1 theory paper of 3 hours duration. CAM:EXAM = 50:50%. Pass mark for the module is 50%.
DP Requirement: In order to gain entry to the exam, students must; Attend 80% of all lectures and 100% of all fieldtrips. Attain a semester mark of 45% for work marked to date.
A lecture note fee of R75-00 will be charged for this module.

OT: Procedures (Performance Areas)

OCTH232 W2 (40L-0T-10P-0S-10H-14R-0F-0G-6A-13W-8C)

Aim: To provide students with additional knowledge, skill and appropriate behaviours regarding the application of various techniques / methods / tests / procedures and /or principles commonly used in OT for the assessment and intervention of occupational performance.
Content: Personal management, work-related activities, play.
Practicals: Practicals for this module form part of the theory teaching, and are slotted in as necessary and appropriate. Students can expect to spend about 10 hours on these aspects.

Assessment: Formative: Two (2) written theory test (Personal Management and Vocational Rehabilitation), 2x assignments (Vocational Rehabilitation and Personal Management), annual allocation of two or more of the following: Manufacture of 1x assistive device during fieldwork, Organisation of one outreach leisure event as a group, Adaptation of one leisure activity, Manufacture of one toy or adaptation of leisure activity,produce a resource portfolio. Summative: One (1) written paper of Three (3) hours duration. CAM:EXAM = 50:50%. Pass mark for the module is 50%.
DP Requirement: In order to gain entry to the exam, students must; Attend 80% of all lectures and 100% of all fieldtrips. Attain a semester mark of 45% for work marked to date.
A lecture note fee of R75-00 will be charged for this module.

OT Fundamentals 2

OCTH251 W1 (47L-0T-0P-0S-17H-10R-0F-0G-6A-13W-8C)

Aim: To equip students with knowledge of and insight into fundamental approaches necessary for patient treatment in Occupational Therapy, human development and kinesiology.
Content: Kinesiology. Introduction, biomechanical and kinesiological analysis. Groupwork. Classification of groups and theoretical constructs. Group dynamics, process, principles and procedures for the management of groups. The role of group therapy within OT programmes. Selected Models of Practice in OT. Introduction, fundamental concepts and general application of the Model of Creative Participations (du Toit) and Model of Human Development (Kielhofner).
Assessment: Foramtive: Two (2) theory tests structured as follows: 15% Human Development, 30% Kinesiology, 30% Group work, 12.5% Model of Human Occupation, 12.5% Model of Creative Ability. Summative: One (1) written theory examination of 3 hours duration. CAM:EXAM = 50:50%. Overall pass mark: 50%. No sub-minimum for examination
DP Requirement: In order to gain entry to the exam, students must; Attend 80% of all lectures
A lecture note fee of R50-00 will be charged for this module.

Psychosocial Theory and Fieldwork 3

OCTH311 W2 (57L-0T-12P-6S-40H-19R-0F-100G-6A-13W-24C)

Prerequisite: ALL level 2 modules.
Aim: To provide students with the theory and application of relevant approaches to intervention, applicable principles and methods as these relate to different age groups, stages of recovery, and or phases of intervention as applied to psychosocial conditions.
Content: The OT specific assessment and treatment of a variety of psychiatric conditions(but not limited to), as well as psychosocial techniques:
Assessment: Formative: 2 written tests and/or 1 homework assignment (38%), Fieldwork midterm treatment demonstration of individual patient treatment, Midterm verbal presentation of individual case, 1 written case study (7%), generation of fieldwork(clinical) performance mark (55%). Summative: Written exam of 3 hours (33%), Final case presentation (27%) final treatment demonstration and evaluation (40%). CAM:EXAM = 70:30%. Exam sub minimum 40%. To pass the module students must achieve a final mark of at least 50%
DP Requirement: Attend 80% of lectures, attend 100% of fieldwork hours, attain 55% for clinical performance, comply with professional and ethical requirements and attain 45% average for all test, assignments and seminars to date.
A lecture note fee of R100-00 will be charged for this module. A transportation fee of R390-00 will be charged for this module.

Physical Theory & Fieldwork 3

OCTH312 W1 (57L-0T-12P-6S-40H-19R-0F-100G-6A-13W-24C)

Prerequisite: Successful completion of ALL level 2 OT modules
Corequisite: OCTH 321W1, OCTH 351W1
Aim: To enable students to attain the necessary theory and practical intervention skills for planning and implementing assessment and intervention in different Physical Health Care settings. Fieldwork allows the student to develop clinical skills reasoning and appropriate professional behaviour.

Content: THEORY: Introduction to the module. THEORY: Introduction to conditions in physical heath care settings Spinal cord injuries: CVA/head injuries: GBS: Arthritis: Psychological implications of physical dHIV/Aids in physical care disorders. HIV/AIDS in physical settings: Burns in adults and children: Tuberculosis; Cerebral palsy: Hip replacements-1 seminar: student driven Renal disorders – 1 seminar –student driven Fractures – 1 seminar- student driven Oncology- 1 seminar –student driven Neuromuscular Disorders – 1 seminar-student driven
Practicals: Different types of cerebral palsy and management: Local school therapists : Half day
Assessment: Formative: 2 written tests and/or 1 homework assignment (38%), Fieldwork midterm treatment demonstration of individual patient treatment, Midterm verbal presentation of individual case, 1 written case study (7%), generation of fieldwork(clinical) performance mark (55%). Summative: Written exam of 3 hours (33%), Final case presentation (27%) final treatment demonstration and evaluation (40%). CAM:EXAM = 70:30%. Exam sub minimum 40%. To pass the module students must achieve a final mark of at least 50%
DP Requirement: Attend 80% of lectures and seminars, Attend 100% of Practicals, Attain 55% for Clinical Performance on practical block, Comply with professional ethical requirements, Attain 45% average on all tests, assignments and seminars.
A lecture note fee of R100-00 will be charged for this module. A transportation fee of R390-00 will be charged for this module.

OT Methods 3

OCTH321 W1 (50L-0T-60P-0S-17H-25R-0F-0G-8A-13W-16C)

Prerequisite: All Level 2 OT modules.
Corequisite: OCTH351W1 (Fundamentals 3) and OCTH312W1 (Physical Th & FW)
Aim: To develop comprehensive knowledge and skill in planning and implementing appropriate treatment methods/techniques/apparatus as this applies in different fields of practice for various contexts
Content: Pressure therapy: An introduction to burn injuries and pressure therapy. Management of; burn and other scars, oedema and abnormal sensation using a variety of pressure therapy techniques. Principles of, and practical construction and fitting of pressure garments for the hand, foot, limb and face. Therapeutic apparatus: Introduction to therapeutic apparatus, historical perspectives, component parts and functions, operation of, recording of, conditions indicated for, therapeutic benefit of, gradable component for MMTA, Electronic/electric cycle, suspension – axial and pendular, FEPS, Thames wire twister, Tilt table, Standing frame and suspension apparatus – OB help arm and SA Mobile Arm Support. Splinting: An introduction to splinting theory and principles, introduction to materials, techniques and design, manufacture of static splints for a variety of hand conditions and injuries and treatment protocols, compliance and splinting regime management.
Practicals: Visit(s) to identified clinical settings in terms of experiential learning in the application of therapeutic apparatus. Manufacture of identified static splints and review of such Manufacture of identified pressure garments and review of such.
Assessment: Formative: Manufacture of at least 2 static hand splints (30%), Manufacture of at least 2 pressure garments (or parts thereof) (30%), 2 written tests (40%).Summative: One written paper, 3 hours duration. CAM:EXAM = 67:33%. An exam subminimum of 40% will apply. To pass the module the student must achieve a final mark of 50%

DP Requirement: In order to gain entry to the exam, students must: Attend 80% of the lectures, and 100% of the practicals/fieldwork visits, and/or attain a CAM of 50%
A lecture note fee of R50-00 will be charged for this module.

OT Fundamentals 3

OCTH351 W1 (70L-0T-45P-0S-19H-20R-0F-210G-6A-13W-37C)

Prerequisite: OCTH251W1
Corequisite: OCTH321W1, OCTH312W1, OCTH311W2
Aim: To develop an in depth knowledge and skills in specific treatment techniques used in Occupational Therapy and an understanfding of ethical theory and principles and application of intervention programmes for different performance areas
Content: Client/Patient Management and therapeutic helping relationships. Paediatric and Adult Neuro-Developmental Techniques. Ethics and Etiquette. And application to performance area management and theory todifferent diagnostic groups and settings.

Practicals: NDT: Paediatrics at OT department and clinical venues as arranged by the lecturer : 36 hours NDT: Adults at the OT department : 8 hours
Assessment: Formative: 3 written tests. Summative: 13, 3 hour theory paper. CAM:EXAM = 50:50%.Exam Sub minimum : 40%. Student must achieve a final mark of 50% to pass the module.
DP Requirement: In order to gain entry to the exam, students must: Attend at least 80% of the lectures and 100% of the practicals Compliance with professional ethical requirements
A lecture note fee of R50-00 will be charged for this module.

Psychosocial Theory and Fieldwork 4

OCTH411 WY (40L-0T-0P-10S-30H-20R-0F-210G-10A-26W-32C)

Prerequisite: All Level 3 fieldwork modules
Aim: To enable students to attain the necessary advanced assessment, intervention planning and implementation, knowledge, understanding and skills to practice effectively in Mental Health Care settings and with persons with mental illness, or those at risk of developing such illness. To develop appropriate professional ethical behaviour.
Content: Policy and procedure issues in Mental Health; review of psychiatric disorders with emphasis on the OT role and contribution. Includes : Mental illness and the Law (2p) Programmes for different settings including : psychogeriatrics, forensic, long term units, crises intervention, substance abuse, day care centres, abused/abandoned children, elderly, displaced and the poor (22p) Issues/trends in mental health and psychiatry such as dual diagnosis/revolving door, transcultural psychiatry (4p) Care provider training/relapse prevention (3p) Welfare issues (grants) (3p) HIV and psychiatry (2p) Child and adolescent psychiatry (6p) Psychosocial techniques (special programmes, advanced groups) (22p)
Assessment: Formative: 2 Tests written, 1 assignment written and 1 seminar (30%), 1 written case (10%), clinical performance (55%), project (5%). Summative: Component 1,Theory exam paper 3 hours (50%); 2.FW final group presentation and demo (12.5%); 3. FW final individual presentation and demo (12.5%); 4. Exam group presentation (12.5%) and 5; Exam demo and evaluation (12.5%). CAM:EXAM = 70:30%. Final pass mark 50%. Exam components (5 in total) subminimum 40% per component.
DP Requirement: 80% Attendance of all lectures/seminars, 100% attendance of fieldwork hours, 55% for fieldwork (clinical) performance appraisal, as well as compliance with all fieldwork requirements before termination of placement (eg. Records/reports), Compliance with professional ethical requirements
A lecture note fee of R50-00 will be charged for this module. A transportation fee of R390-00 will be charged for this module.

Physical Theory and Fieldwork 4

OCTH412 WY (40L-0T-0P-10S-30H-20R-0F-120G-10A-26W-23C)

Prerequisite: All level-3 OT modules.
Aim: To train students in the principles and practice of an integrated programme management of individuals and/or groups in different settings catering for persons with physical disease, trauma, disability or those who are at risk of these. (i.e. Institutional and Community-Based) To develop appropriate professional ethical behaviour.
Content: An overview of integrated programme management for individuals/groups and settings, including the role and function of the OT within such settings. Departmental procedures/policy and management, including setting up a new department. Advanced therapeutic equipment and dynamic splinting and advanced assistive devices.
Practicals: Fieldwork & supervision: 4 days per week for approximately 6-7 weeks, at a site dependent on the fieldwork placement areas available from year to year with a minimum of 1.5 hours per week on site clinical teaching and supervision by a University appointed supervisor. Additional clinical teaching and supervision provided by clinicians (where available) on site.
Assessment: Formative: 2 Tests written, 1 assignment written and 1 seminar (30%), 1 written case (10%), clinical performance (55%), project (5%). Summative: Component 1.Theory exam paper 3 hours (50%); 2. FW final presentation (12.5%); 3. FW final demo and evaluation (12.5%); 4. Exam presentation (12.5%) and 5; Exam demo and evaluation (12.5%). CAM:EXAM = 70:30%. Final pass mark 50%. Exam components (5 in total) subminimum 40% per component.

DP Requirement: attend 80% of all lectures; 100% of fieldwork hours (time must be made up if absent);55% for fieldwork (clinical) performance assessment; and clinical performance requirements must be met before termination of fieldwork.
A lecture note fee of R50-00 will be charged for this module. A transportation fee of R390-00 will be charged for this module.

Community Theory and Fieldwork

OCTH413 WY (48L-8T-0P-8S-36H-10R-0F-120G-10A-26W-24C)

Prerequisite: All Level 3 Fieldwork Modules.
Corequisite: All Level 4 OT modules
Aim: To equip students with the necessary knowledge,understanding, skills, and appropriate attitude to practice occupational therapy interventions within different cultural and community settings.
Content: This content varies according to the health trends and needs at the time. 1.Theory: Revision of concepts PHC, CBR, Alma Ata declaration etc 2. Theory and Practical: Screening Communities and needs/assets analysis: Participatory Rural appraisal 3.Theory: Review of relevant policies 4. Theory: Intervention programmes, ethics of intervention, family model intervention, transdisciplinary models 5. Theory and Practical: Children with Multiple Disabilities 6.Theory: Established risk, environmental risk and Biological risk 7. Theory and Practical: Working with interpreters 8. Theory and Practical: Care Provider training 9.Theory: Introduction to alternative augmentative communication (AAC). 10. Theory and practical: Income generating Programmes 11. Theory and Practical: Feeding and positioning of children with severe disabilities 12. Theory: Reflections of disabled people including mothers of disabled children 13.Theory: Debate on the medical model versus the social model
Practicals: Approximately 26 days i.e. a 3 day orientation and theoretical programme followed by one day a week 8h30 to 12h30 in practical rural site and 13h30 to 15h00 tutorial on campus and preparation for following week, journal write-up etc.
Assessment: Formative: written/ oral tests and practical assignments (15%), Team/ transdiciplinary presentation of a case study (25%), Submission of weekly reflective journals (contributes to prac. performance mark) Practical performance throughout prac (50%). Summative: One written examination (60%) one handover presentation (40%) (interdisciplinary). CAM:EXAM = 70:30%. There is a subminimum of 40% fpr theory paper.
DP Requirement: In order to gain entry to the exam, students must; -attend 80% of all lectures; -100% of fieldwork hours (time to be made up if absent), -55% for fieldwork (clinical) performance assessment; -clinical performance requirements must be met before te
A lecture note fee of R100-00 will be charged for this module. A transportation fee of R390-00 will be charged for this module.

Paediatric Theory and Fieldwork

OCTH414 WB (68L-0T-16P-0S-19H-10R-0F-0G-7A-13W-12C)

Prerequisite: All Level 3 OT modules
Aim: To enable students to attain the necessary knowledge and skills for advanced assessment, intervention planning and implementation of therapy within different paediatric settings.
Content: THEORY: Overview of occupational therapy for children- 3 periods. Development of childhood occupations- 3 periods. Child handling – 1 period Purpose, process and methods of assessment – 3 periods. Psychosocial and emotional domains in Paediatrics – 5 periods. The multiple disabled child – 2 lectures Child in special focus (death and dying) – 2 periods. PRACTICAL: Pediatric standardized tests - 16 periods. Pediatric non-standardized tests- 6 periods. Paediatric activities workshop – 1 day Screening day
Practicals: One (1) practical screening day in February.
Assessment: Foramtive: Submission of one (1) pediatric portfolio (10%), One student directed seminar (10%), Two (2) theory tests (20%), Clinical Performance Mark (60%). Each student will present a midterm case as part of formative assessment, but will not carry a mark. Summative: One case study presentation (15%) One verbal presentation (15%), One treatment demonstration (10%), One written theory exam of 3 hours duration. (60%). CAM:EXAM = 70:30%. Exam: Sub-minimum of 40% for Written Exam paper. Pass mark for Module – 50%.

DP Requirement: In order to gain entry to the exam, students must; Attend 80% of all lectures and seminars Attend 100% of the practical block Attain 55% for clinical performance for the fieldwork Comply with all practical block requirements. Comply with professional ethical requirements.
A lecture note fee of R100-00 will be charged for this module. A transportation fee of R195-00 will be charged for this module.

OT Research Project

OCTH441 WY (24L-0T-0P-30S-184H-0R-0F-0G-2A-26W-24C)

Prerequisite: All level-3 OT modules
Corequisite: All Level-4 OT modules
Aim: To enable students to attain the appropriate knowledge, understanding,skills and attitudes to undertake research under guidance and supervision at an honors level.
Content: Lecture Content THEORY: Introduction to the module.THEORY: Introduction to quantitative researchi.e.quantitative designs- quantitative data analysis – Applications and statistics THEORY: Introduction to qualitative research i.e.qualitative designs and qualitative data analysis; Focus group training THEORY: Referencing THEORY: Research ethics THEORY: Scientific report writing and Podium and poster presentations.
Assessment: This is 100% Exam made up of the following: Research written project: 70% Research presentation: 30%. Formative assessment includes ongoing research supervision and presentation during the research process.
DP Requirement: The following apply: 100% attendance at all lectures Approval by the Department and the University ethics committee of a research proposal showing rigor of processes and procedures.
A lecture note fee of R50-00 will be charged for this module.

OT Fundamentals 4

OCTH451 WY (40L-0T-0P-3S-14H-20R-0F-0G-3A-26W-8C)

Prerequisite: OCTH351W1
Aim: To enable students to understand and integrate theoretical constructs and models of OT into everyday practice and equip students to appropriately apply relevant legislation/policy in practice and develop appropriate professional ethical behaviour and attitudes. Professional practice management (departmental/solus practice), supervision of auxiliary staff and service development, departmental management and including Quality Assurance.
Content: Models of Occupational Therapy – Creative Ability and Human Occupational – critical review, application to populations; approaches to treatment; programmes (10p) Policies, Acts and regulations within the Health, Welfare, Education and Labour. Implications for occupational therapy practice Ethics: theory and application in day to day practice. Support staff: policy and procedures; training, principles and supervision; legal requirements. Advanced groupwork; socio-emotional techniques. Theory and practice; management of events, areas, departmental service development and programme planning.
Assessment: Formative: Tests written x 2, written assignment x 1 ; OSPE. Summative: 3 Hour written paper. CAM:EXAM = 50:50%. Subminimum of 45% required for exam paper.
DP Requirement: In order to gain entry to the exam, students must : Attend 80% of all lectures Class mark of 50% or higher
A lecture note fee of R50-00 will be charged for this module.

Masters Researh in Occupational Therapy

OCTH8FY (0L-0T-0P-0S-0H-0R-0F-0G-0A-0W-0C)

Masters Research in Occupational Thrpy Sub Yr

OCTH8SY (0L-0T-0P-0S-0H-0R-0F-0G-0A-0W-0C)

Dentistry

Offered in the School of Dentistry

Academic Skills & Clinical Practice

DENT110 W2 (0L-35T-35P-0S-10H-0R-0F-0G-0A-10W-8C)

Aim: At the end of the module students should have developed skills in negotiating the academic environment in a tertiary institute, and have an understanding of the functioning of a dental surgery/clinic.
Content: Note-taking skills, speed writing, critical reading skills, paragraph writing, speed reading, listening skills, logic, communication, expression, essay writing. Assisting in sterilization and chair-side procedures.
Practicals: Clinical Attendance and Assisting.
Assessment: Purely formative (class mark).
DP Requirement: Rule DENT3 shall apply.

Oral Biology Embryology and Physiology

DENT112 W2 (25L-0T-10P-0S-37H-5R-0F-0G-3A-13W-8C)

Prerequisite: NONE
Corequisite: NONE
Aim: To provide students with knowledge of oral and dental biology, development and functions of oral, dental and facial tissues, as a basis for their clinical practice. To provide insight into the relevant gross & microscopic anatomy, biochemistry, physiology, microbiology, pathology and pharmacology.
Content: Dental and oral tissues, oral physiology, biochemistry and embryology. The development, structures, functions & inter-relationship of these tissues.
Practicals: Identifying the macroscopic and microscopic structure of the dental tissues.
Assessment: The final mark is obtained from: DP 40% (formative written tests &assignments) + Final Examination 60% (2-hour theory paper (48%) + OSCE (12%) = 100%
DP Requirement: Rule DENT3 shall apply. In addition, at least 50% for the theoretical and practical work in the module.

Oral Biology - Structures

DENT113 W1 (25L-0T-10P-0S-37H-5R-0F-0G-3A-13W-8C)

Aim: To provide students with knowledge of the oral biology of the macroscopic and microscopic structures of the oral, dental and facial tissues as a basis for their clinical practice courses.
Content: Tooth morphology, histology of the hard and soft tissues. Scientific knowledge that deals broadly with the oral tissues, their development & structures, functions & inter-relationship; introductory insight into gross & microscopic anatomy, biochemistry, physiology, microbiology, pathology and pharmacology.
Practicals: Identifying tooth structures macroscopically and microscopically.
Assessment: Class record (40%) - formative written semester tests and assignments. Final examinations – a written 2-hour theory paper (48%) and an OSCE (12%). the tests and examination will comprise multiple choice questions, slide identification, short note and essay-type questions.
DP Requirement: Rule DENT3 shall apply. In addition, at least 50% for the theoretical and practical work in the module.

Cariology,Periodontology & Prevention

DENT114 WY (40L-5T-10P-0S-20H-5R-0F-0G-0A-13W-8C)

Prerequisite: DENT113W1
Corequisite: NONE
Aim: This course gives students comprehensive knowledge of the most common dental diseases ie. dental caries and periodontal disease, and their relationship to oral tssues. This includes classification, epidemiology, aetiology, diagnosis and treatment planning. Preventive measures such as mechanical and chemical plaque removal and principles of instrumentation are taught. Thorough evaluation and maintenance procedures are included. Students must be competant to diagnose all forms of these two disease processes; and to formulate an appropriate treatment plan.

Content: Periodontology: The biology, clinical, radiological and pathological features of periodontal and gingival diseases. Preventive treatment and the maintenance and recall of patients. The inter-relationships of periodontal diseases with the other disciplines of dentistry. **Cariology-**: Aetilogy,Microbiology, diagnosis, management and prevention of dental caries. **Prevention**: Medical History, Scaling, Root planning, Tobacco cessation, implantology.
Practicals: This training is acquired through the treatment of patients at the Oral and Dental Training Centre, other hospitals and community clinics. In addition the students will attend the specialist periodontic clinic where advanced cases of periodontal disease are managed. Each Oral Hygiene student will provide a portfolio of 3 cases each in Cariology and Periodontology. This will include clinical examination, radiological surveys, special tests, study models and photographs. These will be written up in a booklet form.
Assessment: TESTS Cariology 25% Periodontology 30% Prevention 30% Nutrition 15% 50% of test mark will contribute to year mark. CONTINUOUS CLINICAL ASSESSMENT 50% of assessment will contribute to year mark. 40% of the year mark contributes to final mark
DP Requirement: Rule DENT3 shall apply. In addition, classmark of at least 50% for the clinical or practical work.

Radiophysics,Techniques & Preclinical Prac

DENT122 W2 (20L-10T-30P-0S-10H-6R-0F-0G-4A-13W-8C)
Prerequisite: NONE
Corequisite: NONE
Aim: To provide students with the following knowledge and competencies: radiophysics and its application in a preclinical situation; the indications for a radiological examination; carrying out radiological examinations on a phantom head; manual film processing procedures; the basic principles and techniques of photography including camera, lens,film and picture types; to take close-up photographs in the dental situation and present them for evaluation at the end of the module.
Content: The module comprises intraoral radiographic techniques, radiation physics & technique & processing errors, close-up photography.
Practicals: In addition to attending lectures, Students are required to attend practical sessions on a phantom head at the Oral & Dental Training Hospital.
Assessment: FINAL EXAMINATION1 x 2 hr Theory Paper: 50%, Practical Examination: 25%, OSCE: 25% **FINAL MARK:**Year Mark : 40%, Exam Mark : 60%, Final Mark : 100%
DP Requirement: Rule DENT3 shall apply. Tests (written, OSCE, oral) 40% Assignments & Projects 10% Practical Work 50%. Attendance of lectures and practical sessions to the satisfaction of the School; at least 75% for the theoretical and practical work in the module. Attendance of each practical is compulsory. A register will be kept.

Cariology,Periodontology & Prevention

DENT211 WY (50L-10T-52P-3S-27H-5R-10F-0G-3A-26W-16C)
Prerequisite: ANAT105; ANAT106; HPHS111; DENT114; DENT113; DENT112
Corequisite: NONE
Aim: Have a comprehensive knowledge of the most common diseases affecting the oral cavity i.e. dental caries and periodontal diseases; and relate their effects on surrounding tissues. Be able to complete a thorough examination and diagnosis to the two disease processes; and to formulate an appropriate treatment plan, Have a working knowledge of all methods of prevention; and be able to utilize the most effective method to prevent these diseases in the clinical situation.
Content: Periodontology - the biology, clinical, radiological and pathological features of periodontal and gingival diseases. Preventive treatment and the maintenance and recall of patients. The inter-relationships of periodontal diseases with the other disciplines of dentistry. Cariology - microbiology, diagnosis, management and prevention of dental caries. Management of the patient.
Practicals: Treatment of patients at the Oral and Dental Training Hospital, other hospitals and community clinics. Students will attend the specialist periodontic clinic where advanced cases of periodontal disease are managed. It is compulsory for all students to purchase their own instruments, a list of such instruments will be provided by the relevant department.

Assessment: To be admitted to the examination, Rule DENT3 shall apply. In addition, a mark of at least 50% for the clinical/practical work done during the year. Examinations will be assessed in conjunction with an external examiner determined by the School. Examinations will comprise all work done in the first and second years of work. 1 x 2 hr Theory Paper 40%, OSCE 20%, Clinical Exam 20%, Portfolio 20%, which will be moderated by external examiner. An oral examination with external examiner may be required. THE FINAL MARK IS CALCULATED AS FOLLOWS: Year Mark : 40% Exam Mark : 60% Final Mark 100% THE FINAL MARK IS CALCULATED AS FOLLOWS: Year Mark : 40% Exam Mark : 60% Final Mark 100%
DP Requirement: Rule DENT3 shall apply. Year marks will be calculated 50% from the tests and 50% from a continuous clinical assessment.

Community Oral Health (epi/prevention/promoti

DENT213 W1 (50L-10T-0P-0S-18H-0R-0F-0G-2A-13W-8C)
Prerequisite: FHS116S,HLSC116W2
Corequisite: NONE
Aim: At the termination of module ODH 213S, the student should be able to understand the basic concepts in Community Oral Health, To obtain a basic knowledge in general epidemiology, have an in-depth understanding of Dental Epidemiology, understand the basic principles and methods of oral health prevention, promotion and education, and have a basic understanding in research methodology and biostatistics.
Content: This course aims at making the student aware of the communities with which they work, and to provide a foundation for building attitudes to, and compassion for patients. It is designed to provide the student with a basic working knowledge of the principles and practice of Community Dentistry both globally and from the South African perspective. Measurement of disease and intervention in the community
Practicals: Epidemiological studies will be carried out among the students, and within the community.Designing and creation of pamphlets, and group presentations and seminars form part of the practical component.
Assessment: Class record comprises tests 60% (six minor tests on theory and practical aspects on each section covered - 6 X 10% each, and one major test on the entire syllabus 40%).; and research seminars 40%. The final Mark is made up of class record 40% and examination mark 60%.
DP Requirement: Rule DENT3 shall apply. In addition, a mark of at least 50% for the theoretical and practical work in the module.

Community Oral health (Ethics,Law,Practice

DENT214 W1 (50L-10T-0P-0S-18H-0R-0F-0G-0A-13W-8C)
Prerequisite: HLSC116W2
Aim: At the termination of module ODH 214S, the student should be able to understand the basic concepts in Health as a basic human right, the Public Health System, obtain a basic understanding in Practice Management, and have a working knowledge of Ethics and Law in Dentistry and Health Care, with special emphasis on scope of practice of the professions of Dental Therapy and Oral Hygiene.
Content: At the end of the module, the student should be able to understand the organization of health services and functioning of the health system in South Africa, and the ethical and legal implications of practising within the private and public sectors; practice management,
Assessment: FORMATIVE ASSESSMENT 2 Theory tests. 2 Assignments. **SUMMATIVE ASSESSMENT** 1 x 2 hour Theory Paper 100%
DP Requirement: Rule DENT3 shall apply. In addition, a mark of at least 50% for the theoretical and practical work in the module. 40% of test mark will contribute to year mark.

Restorative Dentistry & Dental Materials-prec

DENT216 W2 (40L-10T-10P-0S-17H-0R-0F-0G-3A-13W-8C)
Aim: Have knowledge about the properties & chemical components of restorative dental materials; Know why it functions as it does physically and mechanically Know how it is manipulated technically to develop most satisfactory properties; handling; Have an understanding of the prevention, initiation and progression and treatment of the carious process

Content: Properties and manipulation techniques of restorative dental materials that are used by dental therapists and oral hygienists. Basic treatment of carious process and the instruments and materials used in restorative dentistry.
Practicals: Demonstration of Direct Restorative Filling Materials. Practical and demonstrations in the phantom head laboratory. 10 X 1-hour. It is compulsory for all students to purchase their own instruments at the commencement of this module according to a list to be given by the relevant department.
Assessment: FORMATIVE ASSESSMENT 3 theory tests 1 practical test (OSCE) **SUMMATIVE ASSESSMENT** One 2hr Theory Paper 90% Practical (Osce) Examination (1hr) 10%. Oral Examination May Be Required. **EXAM DETAILS** Paper 1: 1x 2hr Theory Paper 90% Paper 2: Practical (Osce) Examination (1hr):10% Oral Examination May Be Required. THE FINAL MARK IS CALCULATED AS FOLLOWS: Year Mark: 40% Exam Mark: 60% Final Mark: 100%
DP Requirement: Rule DENT3 shall apply. In addition, a class mark of at least 50% for clinical or practical work in the module.

General Medicine and Special Patients

DENT217 WY (70L-20T-20P-0S-38H-9R-0F-0G-3A-26W-16C)

Prerequisite: ANAT105W1, ANAT106W2, HPHS111W1
Aim: To provide an understanding of major physical and mental disorders which impair patients' capacity to perform normally, and an ability to manage such patients in the dental Clinic, and provide preventive, emergency and basic dental care.
Content: Theoretical knowledge and management techniques related to the practice of Oral Hygiene and Dental Therapy of: neurological, neuromuscular, musculoskeletal, dermatological, sensory and mental disorders. The adolescent, geriatric, pregnant patients and patients with oral cancer, cleft lip and/or cleft palate, and blood disorders. Basic medical knowledge of headaches, hypertension, diabetes, kwashiorkor, tuberculosis, oedema, blood pressure and the pulse, and water balance and nutrition. The management of common medical emergencies.
Practicals: Practical demonstrations on patients.
Assessment: FORMATIVE ASSESSMENT Theory Tests Oral Test Assignments/Reports **SUMMATIVE ASSESSMENT** Paper I 1 x 2 hr Theory Paper An oral examination with the external examiner is required. **FINAL EXAMINATION** Paper I 1 x 2 hr Theory Paper An oral examination with the external examiner is required. The final mark is calculated as follows: Year Mark 40% Exam Mark 60% Final Mark 100%
DP Requirement: Rule DENT3 shall apply. In addition, a class mark of at least 50% for clinical or practical work in the module. Ward rounds - students will provide written reports of their observations during the ward rounds

General Pathology and general Microbiology

DENT219 W1 (30L-10T-10P-0S-18H-9R-0F-0G-3A-13W-8C)

Aim: To provide an understanding of the principles of pathology and microbiology. To understand the disease process, and its sequelae; with a view to applying this knowledge to dental diseases.
Content: Causes of diseases, characteristics and classification of diseases and the body's responses. Specific focus on the types of microorganisms and their role in the disease process.
Practicals: Pathology specimens to be reviewed and microbiology practicals done in laboratory conditions.
Assessment: FORMATIVE ASSESSMENT Theory Tests **SUMMATIVE ASSESSMENT** 1x1 x 2 hr Theory Paper 100% An oral examination may be required. **EXAM DETAILS** Paper 1:1 x 2 hr Theory Paper 100% An oral examination may be required. THE FINAL MARK IS CALCULATED AS FOLLOWS: Year Mark : 40% Exam Mark : 60% Final Mark: 100%
DP Requirement: 40% of test mark will contribute to year mark.

Oral med,oral path,and clinical pharm

DENT221 WY (72L-20T-26P-0S-100H-19R-0F-0G-3A-26W-24C)

Prerequisite: ANAT105, ANAT106, HPHS111, DENT114, DENT113, DENT112
Aim: A basic knowledge of the etiology, clinical and radiological features, provisional and differential diagnosis, and management of common oral and dental diseases of the head and neck region.
Content: The clinical features, diagnosis and management of diseases affecting the soft tissues and surrounding areas of the oral cavity. Clinical diagnosis, recognition of common oral pathological lesions, and referral of patient to the appropriate practitioner. Informing patients about principles of biopsy, histopathology and definite diagnosis. Patient education. Principles and practice of the drug management of patients with acute and chronic conditions.

Practicals: Students gain practical and clinical experience at the Oral and Dental Training Hospital and satellite clinics. Practicals/seminars/assignments - 25hrs Practicals: Small group teaching: Students are assigned to the specialist oral medicine Clinical Pharmacology: Tutorials 5 hrs, assignments 5 hrs.
Assessment: FORMATIVE ASSESSMENT 6 Theory tests, (four in Oral Medicine and Pathology contributing to 80% of the year mark, and two in the first semester in Clinical Pharmacology contributing to 20% of the year mark, i.e. 2x10%), Spot tests conducted at the discretion of the lecturer. In addition assignments are given at the discretion of the lecturer. **SUMMATIVE ASSESSMENT** Paper 1 Theory Paper 2 OSCE Paper 3 Oral Examinations will be assessed in conjunction with an external examiner determined by the School. Examinations will comprise all work done in the first and second years of work.
DP Requirement: Rule DENT3 shall apply. In addition, a class mark of at least 50% for clinical or practical work in the module.

Radiography-techniques and pre-clinical prac

DENT223 W1 (20L-10T-20P-10S-17H-0R-0F-0G-3A-13W-8C)

Prerequisite: ANAT105, DENT122
Aim: To provide students with the following competencies: To inform medical and dental personnel and the public of the indications for radiological examinations and the dangers of radiation if x-rays are used indiscriminately; to take the precautions necessary to protect both the operator and the patient during radiological examinations; to carry out radiological examinations of the teeth and jaws including film processing procedures; to recognise radiological features of the various diseases (including features) affecting the teeth and jaw and to make correct diagnoses. To gain the knowledge and skills of oral radiography and photography and to be able to distinguish abnormal from normal structures on a radiograph.
Content: Intraoral radiographic techniques, radiation safety protection, effects of radiation and radiography. Identifying normal and abnormal areas on radiographs dental anatomy, caries, periodontal disease and dental anomalies.
Practicals: Working under simulated conditions. Followed by an introduction to work with patients.
Assessment: FORMATIVE ASSESSMENT • 2 theory tests • One OSCE • Continuous practical assessment • Seminars, Assignments, projects and Case reports. • Spot tests conducted at the discretion of the lecturer. • Students are also evaluated on the following aspects: I. Punctuality ii. Theoretical knowledge iii. Clinical competence **SUMMATIVE ASSESSMENT** EXAMINATIONS: One 2hr Theory Paper 50% Practical Examination 25% OSCE 25% Oral Examination may be required **EXAMINATIONS**: Paper 1: 1 x 2hr Theory Paper 50% Paper 2: Practical Examination 25% Paper 3: OSCE 25% Oral Examination may be required THE FINAL MARK IS CALCULATED AS FOLLOWS: Year Mark: 40% Exam Mark: 60% Final Mark: 100%
DP Requirement: Rule DENT3 shall apply. In addition, a class mark of at least 50% for clinical or practical work in the module.

Minor Oral Surgery - theory and local anaesth

DENT224 W2 (58L-2T-16P-0S-0H-0R-0F-0G-4A-13W-8C)

Prerequisite: ANAT105, ANAT106, HPHS111S, DENT114W2, DENT113W1, DENT112W2
Aim: take a comprehensive medical history; make diagnosis and plan treatment, identify vital signs and refer for special investigations, be familiar with procedures such as biopsies, suturing, perform local anaesthesia and have a thorough knowledge of the technique of local anaesthesia, signs, symptoms and complications of local anaesthesia.
Content: The assessment, diagnosis and treatment of oral conditions and related parts requiring mainly exodontia or other minor surgical or medical intervention. Oral surgical procedures, management of patients requiring exodontia, including instruments used and local anaesthesia.
Practicals: 2½ hours of clinical/practical sessions per week at the Oral and Dental Training Hospital and satellite clinics. (For Oral Hygiene Students only).
Assessment: FORMATIVE ASSESSMENT 2 Theory tests 1 Practical Test 1 OSCE. SUMMATIVE ASSESSMENT 1 x 2 hours theory paper Clinical examination -- Objective Structured Clinical Examination Oral examination FINAL EXAMINATION Paper 1: 1 x 2hour theory paper (60%)Paper 2: Objective Structured Clinical Examination (40%). THE FINAL MARK IS CALCULATED AS FOLLOWS: Year Mark: 40% Exam Mark: 60% Final Mark: 100%
DP Requirement: Rule DENT3 shall apply. In addition, a class mark of at least 50% for clinical or practical work in the module.

Radiography-techniques and clinical practice

DENT226 W2 (20L-10T-20P-10S-17H-0R-0F-0G-3A-13W-8C)

Prerequisite: DENT223W1

Aim: To provide students with the following competencies: Informing medical and dental personnel and the public on the indications for radiological examinations and the dangers of radiation if x-rays are used indiscriminately; taking the necessary precautions to protect both the operator and the patient during radiological examinations; carrying out radiological examinations of the teeth and jaws including film processing procedures; to recognise radiological features of the various diseases affecting the teeth and jaw, and making correct diagnosis; to carry out extraoral radiographic examination on patients in order to supplement diagnostic procedures. To gain the knowledge and skills of oral radiography and photography and to be able to distinguish abnormal from normal structures clinically on a radiograph .

Content: Intraoral and extra oral radiographic techniques, radiographic interpretation, specialized radiographic procedures.

Practicals: Students are required to take intra oral and extra –oral radiographs on patients. Students are assessed continuously according to their technique, patient positioning and patient management.

Assessment: FORMATIVE ASSESSMENT • 2 theory tests • One OSCE • Continuous practical assessment • Seminars, Assignments, projects and Case reports. • Spot tests conducted at the discretion of the lecturer. • Students are also evaluated on the following aspects: I. Punctuality ii. Theoretical knowledge iii. Clinical competence **SUMMATIVE ASSESSMENT** EXAMINATIONS: Paper 1 : 1x 2hr Theory Paper 50% Paper 2: Practical Examination 25% Paper 3: OSCE 25% Oral Examination may be required Examinations will be assessed in conjunction with an external examiner determined by the School. Examinations will comprise all work done in the first and second years of work. THE FINAL MARK IS CALCULATED AS FOLLOWS: Year Mark: 40% Exam Mark: 60% Final Mark: 100%

DP Requirement: Rule DENT3 shall apply. In addition, a class mark of at least 50% for clinical or practical work in the module.

Oral Hygiene Clinical Practice

DENT227 W2 (8L-5T-48P-2S-5H-2R-0F-0G-10A-13W-8C)

Prerequisite: All Level 1 modules

Corequisite: All Level 2 modules

Aim: This is a capstone module for Oral Hygiene practice, at the completion of which a learner should be able to demonstrate sufficient competence in all aspects of the discipline to practice & to register with the HPCSA

Content: aspects on the scope of practice not included in other modules in level 1 & 2. viz., Orthodontics, expanded functions & root planing

Practicals: Four hours of clinical work per week in specialist facilities. Root planning : At least 3 patients Impressions 3 study models Temporary fillings: At least 3 patients Class V restorations :(10 teeth) At least 3 patients Local anaesthetics: 30 blocks, 30 infiltrations Soft linings & tissue conditioners Temporary cementing of inlays, crowns & bridges Polishing of restorations;At least 3 patients Perio packs:1 case Cytological smears: 1 case Cephalometric Tracing

Assessment: FORMATIVE ASSESSMENT 2 x 1-hour tests 1 x 1-hour clinical test 1 x 1-hour practical/OSCE test Evaluation of portfolio of cases. **SUMMATIVE ASSESSMENT** Paper 1: 1 x 2-hour written examination Paper 2: 1 x 3-hour practical examination or OSCE. **THE FINAL MARK IS CALCULATED AS FOLLOWS:** Year Mark: 40% Exam Mark: 60% Final Mark: 100%

DP Requirement: Rule DENT3 shall apply. In addition, a mark of at least 50% for the theoretical and practical work in the module.

Diagnostics,Infection Control & Dental Spec.

DENT228 W1 (40L-5T-5P-0S-25H-2R-0F-0G-3A-26W-8C)

Prerequisite: ANAT105, ANAT106, HPHS111

Aim: Make diagnosis and plan appropriate treatment. Treat patients holistically. Practice proper infection control procedures while treating patients. Refer patients to the appropriate dental specialists.

Content: This module deals with diagnosis, treatment planning, infection control and dental specialities.

Practicals: In addition to attending lectures and seminars students gain practical and clinical experience at the Oral and Dental Training Hospital Dental Specialities: 1 X 1 hour in each speciality Demonstration of appliances and cases. Infection Control: 2 x 1 hour • Demonstration of packing of instruments • Demonstration on the use of ultrasonic washer • Demonstration on the use of different types of autoclaves • Demonstration on methods of disinfection • Handwashing • Handscrubbing • Gowning • Demonstration on recapping needle and its disposal Diagnostics: 5 x 2 hour clinical
Assessment: FORMATIVE ASSESSMENT Dental Specialties: 4 theory tests 1 OSCE Infection Control: 1 theory test 1 assignment Diagnostics: 1 clinical test **SUMMATIVE ASSESSMENT** 1 x 2 hour Theory paper OSCE An oral examination may be required. **THE FINAL MARK IS CALCULATED AS FOLLOWS:** Year Mark: 40% Exam Mark: 60% Final Mark: 100%
DP Requirement: Rule DENT3 shall apply. In addition, a class mark of at least 50% for clinical or practical work in the module. 40% of Year mark contributes to final mark

Restorative Dentistry and Dental Materials

DENT313 WY (30L-50T-300P-0S-97H-0R-0F-0G-3A-26W-48C)

Prerequisite: All level-1 and level-2 modules in the curriculum.
Aim: To manage a patient requiring restorative procedures including the intervention as defined in the scope of practice for dental therapists; to diagnose, treat and determine the prognosis pertaining to the treatment of teeth with both vital and non vital pulps as they relate to other hard and soft tissue structures of the oral cavity. To provide them with a thorough knowledge of restorative materials and their failures, and of all disciplines of dentistry in order to be able to refer patients appropriately.
Content: Patient management, techniques of cavity preparation and restorations of the different restorative materials, treatment of /and an approach to emergencies, urgencies and post operative complications in operative dentistry.
Practicals: Students gain clinical experience at the Oral and Dental Training Hospital and at satellite clinics and clinical work in specified sites. Phantom head practical, clinical work – 10 hours per week for 5 weeks. Students must obtain a mark of at least 50% for the phantom head test to continue with the clinical component. Clinicals on patients – four 3-hr clinics per week. Each student shall provide a portfolio of one completed case which will include a full history, clinical findings, radiological survey, special tests and photographs that are pertinent to the case. This must be presented to the internal as well as external examiners. It is compulsory for students to purchase their own dental instruments as per the list provided by the relevant department before the commencement of the course.
Assessment: FORMATIVE ASSESSMENT 3 theory tests 1 practical phantom-head test 3 clinical tests on patients oral test (Clinical tests consist of case presentation and the technique of cavity preparation, lining and restoration of teeth.) **SUMMATIVE ASSESSMENT** One 2hr Theory Paper: 40 % Clinical Examination Practical: 40% Orals and case presentation: 20% **THE FINAL MARK IS CALCULATED AS FOLLOWS:** Year Mark: 40% Exam Mark: 60% Final Mark: 100%
DP Requirement: Rule DENT3 shall apply. In addition, a class mark of at least 50% for clinical or practical work in the module.

Diagnostics and Radiology (Dental Therapy Pra

DENT315 WY (20L-80T-0P-40S-98H-0R-0F-0G-2A-26W-24C)

Prerequisite: All level-1 and level-2 modules in the curriculum.
Aim: Be able to examine and treat patients holistically in all aspects of the scope of the profession, in both the private and public sectors.
Content: The course is mainly clinical in orientation, and will comprise: clinical sessions; group work, individual research projects, self-directed learning, routine and specialized radiology, and ethics and scope of dental therapy.
Practicals: Clinical sessions, which will take the form of: Patient examination and case presentation in the clinical setting. A minimum of 4 fully-documented cases comprising case histories, photographs, radiographs, and other relevant diagnostic aids are required. • Pre-operative assessment for theatre, consent & theatre assisting • Routine and specialized radiology • Medical waste disposal, & sterilization

Assessment: FORMATIVE ASSESSMENT - SIX Assessments are done which include: Assessment I - Test on Diagnostics and Treatment Planning at the end of the first term; Assessment II - group work where students cover general topics of relevance in Dentistry; Assessment III - students present individual research seminars; Assessment IV - Objectured Structured Clincal Assessment is done in Oral Medicine and Pathology; Assessment V - Clinical Exam at patient chairside; Assessment VI - Oral Examination on all work done in the course of the year.examination period. To be admitted to the examination, a student must attend lectures/ seminars/ clinical sessions to the satisfaction of the Head of School and Course Co-ordinator. The student must obtain a mark of at least 50% in all work done for the year. **EXAM DETAILS** Year Mark 50% Final examination 50%. The student must obtain a mark of at least 50% in all work done for the year. The student must present a detailed portfolio of all clinical cases, seminars, outreach programmes, theatre sessions, written assignments, tests and a completed portfolio sheet, at least one week before the final examination, for appraisal by the external examiner. 1. An oral examination will be conducted by internal and external examiners. 2. The final examination mark will be calculated as follows: Examination mark: 50% DP mark: 50% Final mark: 100%
DP Requirement: Rule DENT3 shall apply. In addition A Year mark of 50%.

Minor Oral Surgery-clinical practice

DENT317 WY (72L-0T-234P-0S-30H-10R-130F-0G-4A-26W-48C)

Prerequisite: All 1st and 2nd level modules
Aim: Have a knowledge of all anatomic landmarks associated with the oral cavity Be familiar with the instrumentation associated with exodontias Have a sound knowledge of the management indications, contraindications, and complications with exodontias. Be able to treat the patient undergoing minor oral surgery procedures and refer appropriately.
Content: Clinical procedures in minor oral surgery, management of complications of exodontias, theatre attendance and assistance in oral surgery procedures.
Practicals: 3x2½ hours of clinical / practical session per week. Students must be familiar with the procedure of asepsis in theatre. Each student is required to have assisted a dentist/specialist with at least one minor oral surgical procedure. Students will assist on a rotation basis at one of the regional hospitals. Suturing – Practical demonstration. Attendance of each practical is compulsory. A register will be kept. Every lecture is regarded as preparation for clinical or practical work which is to follow. Students who fail to comply with a satisfactory attendance figure will be allocated an incomplete year mark.
Assessment: FORMATIVE ASSESSMENT 2 theory tests (one per semester) 2 practical/clinical tests (one per semester) projects and reports. Each student will be required to present a thoroughly researched seminar Spot tests conducted at the discretion of the lecturer. **SUMMATIVE ASSESSMENT** 1 X 3hour Theory Paper An oral examination, on the diagnosis and treatment of an appropriate clinical problem. Clinical examination – OSCE. **EXAM DETAILS** Paper 1: 1 X 3hour Theory Paper Paper 2: Clinical examination – OSCE. Paper 3: An oral examination, on the diagnosis and treatment of an appropriate clinical problem. THE FINAL MARK IS CALCULATED AS FOLLOWS: Year Mark: 40% Exam Mark: 60% Final Mark: 100% Please note : that students would not be permitted to write the final examination should you have a clinical/practical year mark (ie. excludes written tests) of less than 50%.
DP Requirement: Rule DENT3 shall apply. In addition, a class mark of at least 50% for clinical or practical work in the module.

Medical Emergencies and Clinical Pharmacolog

DENT318 WY (40L-20T-0P-0S-18H-0R-0F-0G-2A-26W-8C)

Prerequisite: All 1st and 2nd Year Modules
Aim: Manage the patient at the dental chairside in an emergency be able to prescribe basic medication in the management of common oral and dental disorders
Content: Medical history taking, vital signs, first aid management. Basic principles, absorption, distribution, excretion, toxicity of drugs Update of medications that are to be prescribed for common conditions within the scope of the practising dental therapist.
Practicals: Practical demonstration in the management of medical emergencies.
Assessment: FORMATIVE ASSESSMENT 2 Theory Tests 1 Practical Test. **SUMMATIVE ASSESSMENT** 1 x 2 hour Theory Paper. An Oral Examination may be required. Exams will be moderated by an external examiner. **FINAL MARK CALCULATION**: Year Mark (40%) + Exam Mark (60%) = Final Mark (100%)
DP Requirement: Rule DENT3 shall apply. In addition, a class mark of at least 50% for clinical or practical work in the module.

Anatomy

Offered in the School of Medical Sciences

Introduction to Anatomy & Neuroanatomy

ANAT101 W1 (36L-32T-32P-12S-22H-22R-0F-0G-4A-12W-16C)

Aim: The student will be able to identify structures in the following systems: nervous, cardiovascular, musculoskeletal, respiratory, gastrointestinal, endocrine and urogenital. In addition, he/she will be able to identify the following neuroanatomical structures viz. skull, meninges, venous sinuses, spinal cord, cranial nerves, ventricles, cerebellum, brainstem

Content: Lectures : There are 24 lectures on Introduction to Anatomy and 24 lectures on Neuroanatomy Practicals : Study of prosections supplemented by relevant lectures, reinforcing and integrating theorectical and practical knowledge

Assessment: Class tests are in the form written papers, practicals (spotters) and orals (viva voce). Tests are generally scheduled in the middle of, and at the end of a module. Tests assess all anatomy completed up to that stage in the module. A seminar test in the form of a written paper is held on completion of all the seminars at the end of the semester

DP Requirement: For students to sit for the final examination in the module, a CAM of 40% or more is required

This module has a lecture, practical, tutorial and seminar content that is specially designed for BPhysio,BOccTh & BPharm. A laboratory fee is payable for this module.

Head,Neck & Back

ANAT102 W2 (3L-10T-29P-5S-13H-17R-0F-0G-3A-12W-8C)

Aim: On completion of the module, the learner will be able to know the detailed anatomy of the back (including the suboccipital region) and have a fair understanding of the anatomy of structures in the head and neck

Content: Head and Neck: To expose students to structures in the region - it includes arteries, nerves, veins, lymphatics and muscles in the region, the mouth, tongue, palate, pharynx, larynx, the orbit and structures within, the nose and paranasal air sinuses, the ear and glandular structures. Back: A detailed study of back muscles, and of bones, joints and ligaments of the vertebral column and a detailed study of the suboccipital triangle.

Practicals: Study of prosected material

Assessment: Class tests are in the form of written papers, practicals (spotters) and orals (viva voce). Tests are generally scheduled in the middle of, and at the end of, a module. Tests assess all anatomy completed up to that stage in the module. A seminar test in the form of a written paper is held on completion of all seminars at the end of the semester. Procedure for missed tests: A student who misses a schedule test/s is required, on returning to Anatomy teaching sessions, to produce a medical certificate /other documention to explain the reason for his/her absenteeism. All make up tests are in an oral (viva voce) format with two examiners. Examination guidelines: Summative Assessment Examinations are conducted in the written format, as well as a practical and/or oral format. Each component of the examination carries an equal percentage of the marks. An additional examination in the oral format may be held for students who obtain an overall mark (Final Mark) which is below the pass mark, and who, in the opinion of the examiners, would benefit from an oral examination to enable them to pass. The format of the written paper may be a combination of mcq/essays/short questions/fill in the blanks or exclusively in one of those forms. No subminimum applies to any of the papers Calculation of marks: CAM: An average of all marks of all class tests Exam marks: An average of all the marks of the different components of that exam Final marks: ¼ of CAM + ¾ of Exam Mark Minimum mark required to qualify for supplementary examinations: CAM greater than 60 or Final Mark equal to or greater than 40

DP Requirement: CAM of 40 or more is required.

This module has a lecture, practical, tutorial and seminar content that is specially designed for Physiotherapy & Occupational Therapy. A laboratory fee is payable for this module.

Introduction to Anatomy & Neuroanatomy

ANAT103 W1 (36L-32T-32P-12S-22H-22R-0F-0G-4A-12W-16C)

Aim: The learner will have knowledge of the subject matter contained in the syllabus. He/she will be able to identify structures in the following systems: nervous, cardiovascular, musculoskeletal, respiratory, gastrointestinal, endocrine and urogenital. In addition, he/she will be able to identify the following neuroanatomical structures viz. skull, meninges, venous sinuses, spinal cord, cranial nerves, ventricles, cerebellum, brainstem

Content: Lectures : There are 24 lectures on Introduction to Anatomy and 24 lectures on Neuroanatomy Practicals : Study of prosections supplemented by relevant lectures, reinforcing and integrating theorectical and practical knowledge

Assessment: Class tests are in the form written papers, practicals (spotters) and orals (viva voce). Tests are generally scheduled in the middle of, and at the end of a module. Tests assess all anatomy completed up to that stage in the module. A seminar test in the form of a written paper is held on completion of all the seminars at the end of the semester

DP Requirement: CAM of 40 or more is required.

This module has a lecture , practical, tutorial and seminar content that is specially designed for BOptom. A laboratory fee is payable for this module.

Trunk & Embryology

ANAT104 W2 (18L-4T-18P-4S-16H-18R-0F-0G-2A-12W-8C)

Aim: The learner will have knowledge of the subject matter contained in the syllabus. He/she will be able to dissect, identify and display the wall of the trunk and the anatomy of all the relevant viscera contained within

Content: There are 24 lectures in the module, 16 on the trunk and 6 on embryology. They are scheduled to synchronise with dissection of the cadaver. In addition tutorials and seminars clarify the subject

DP Requirement: CAM of 40% or more is required

This module has a lecture, practical, tutorial and seminar content that is specially designed for Physiotherapy & Occuptional Therapy. A laboratory fee is payable for this module.

Introduction to Anatomy & Neuroanatomy

ANAT105 W1 (29L-23T-32P-12S-30H-30R-0F-0G-4A-12W-16C)

Prerequisite: NONE

Corequisite: NONE

Aim: To introduce students to the structure of body systems, the brain and spinal cord.

Content: Anatomical terminology; tissues & structures; the various organ systems; cranium, the central & peripheral parts of the nervous system; neuronal pathways and embryology of the brain.

Practicals: 1 x 3 hours weekly

Assessment: CAM 25%; 1 x 2hr Written paper + 1 x 45min Practical and/or oral examination (75% of Final mark)

DP Requirement: 40%

This module has a lecture, practical, tutorial and seminar content that is specially designed for B DenTh & Oral Health. A laboratory fee is payable for this module.

Head,Neck & Back

ANAT106 W2 (23L-16T-22P-10S-0H-6R-0F-0G-3A-12W-8C)

Prerequisite: ANAT105W1

Corequisite: NONE

Aim: To expose students to the structures of the head and axial structures.

Content: Nerves, Arteries, Veins, Lymphatic Drainage, Glands, Muscles and Bones of the Head, Neck and Back; Oral Cavity; Pharynx; Larynx; The Eye; The Ear; The Nose; The Back.

Practicals: 1 x 3 hours weekly

Assessment: CAM 25%; 1 x 2hr Written paper + 1 x 45min Practical and/or oral examination (75% of Final mark)

DP Requirement: 40%

This module has a lecture, practical, tutorial and seminar content that is specially designed for Dental Therapy & Oral Health. A laboratory fee is payable for this module.

Head,Neck & Back
ANAT108 W2 (18L-10T-20P-10S-12H-7R-0F-0G-3A-12W-8C)
Prerequisite: NONE
Corequisite: NONE
Aim: To expose students to the structures of the head and axial structures.
Content: Nerves, Arteries, Veins, Lymphatic Drainage, Glands, Muscles and Bones of the Head, Neck and Back; Oral Cavity; Pharynx; Larynx; The Eye; The Ear; The Nose; The Back.
Practicals: 1 x 3 hours weekly
Assessment: CAM 25%; 1 x 2hr Written paper + 1 x 45min Practical and/or oral examination (75% of Final mark)
DP Requirement: 40%
This module has a lecture, practical, tutorial and seminar content that is specially designed for BOptom. A laboratory fee is payable for this module.

Upper & Lower Limbs
ANAT109 W1 (36L-16T-48P-12S-22H-22R-0F-0G-4A-12W-16C)
Prerequisite: NONE
Corequisite: NONE
Aim: To expose students to the detailed anatomy of the limbs.
Content: Osteology; Breast; Brachial Plexus; Dermatomes & Myotomes; Lymphatic Drainage; venous Drainage; Arterial Supply; Nerves; Gluteal Region; Muscles; joints.
Practicals: 2 x 3 hours weekly.
Assessment: CAM 25%; 1x 2hr Written paper + 1 x 45min practical and/or oral examination (75% of Final mark).
DP Requirement: 40%
This module has a lecture, practical, tutorial and seminar content that is specially designed for Physiotherapy & Occupational therapy. A laboratory fee is payable for this module.

Neuroanatomy
ANAT111 W2 (18L-14T-14P-14S-10H-7R-0F-0G-3A-12W-8C)
Prerequisite: NONE
Corequisite: NONE
Aim: To introduce students to the structure of the brain and spinal cord, cranium, the central & peripheral parts of the nervous system; neuronal pathways and embryology of the brain
Content: Lectures : There are 24 lectures on Neuroanatomy Practicals : Study of prosections supplemented by relevant lectures, reinforcing and integrating theorectical and practical knowledge
Practicals: 1 X 3 hours weekly
Assessment: CAM 25% ; 1 x 2hr Written paper + 1 x 45min Practical and/or oral examination (75% of Final mark)
DP Requirement: 40%
This module has a lecture, practical, tutorial and seminar content that is specially designed for Audiology and Speech Language Pathology. A laboratory fee is payable for this module.

Introduction to Anatomy,Head and Neck
ANAT117 W1 (36L-25T-25P-16S-26H-29R-0F-0G-3A-12W-16C)
Prerequisite: NONE
Corequisite: NONE
Aim: To introduce students to the structure of body systems, the brain and spinal cord and the structures of the head and axial structures.
Content: Lectures : There are 48 lectures on introduction to anatomy, the head and neck. Practicals : Study of prosections supplemented by relevant lectures, reinforcing and integrating theorectical and practical knowledge
Practicals: 1 x 3 hours weekly
Assessment: CAM 25%; 1 x 2hr Written paper + 1 x 45min Practical and/or oral examination (75% of Final mark)
DP Requirement: 40%
This module has a lecture, practical, tutorial and seminar content that is specially designed for Audiology and Speech Language Pathology. A laboratory fee is payable for this module.

Anatomy of the Head,Neck & Back

ANAT212 W2 (36L-23T-70P-20S-39H-48R-0F-0G-4A-12W-24C)

Prerequisite: NONE
Corequisite: NONE
Aim: To expose students to the structures of the head and axial structures.
Content: Nerves, Arteries, Veins, Lymphatic Drainage, Glands, Muscles and Bones of the Head, Neck and Back; Oral Cavity; Pharynx; Larynx; The Eye; The Ear; The Nose; The Back.
Practicals: 3 x 3 hours weekly
Assessment: CAM 25%; 1 x 2hr Written paper + 1 x 45min Practical and/or oral examination (75% of final mark)
DP Requirement: 40%
This module has a lecture, practical, tutorial and seminar content that is specially designed for Medical Science. A laboratory fee is payable for this module.

Introduction to Anatomy and Neuroanatomy

ANAT213 (36L-32T-32P-12S-62H-62R-0F-0G-4A-14W-24C)

Aim: A study of an Introduction to Anatomy and Neuroanatomy
Content: There are 24 lectures on Introduction to Anatomy and 24 lectures on Neuroanatomy
Practicals: Study of prosections supplemented by relevant lectures, reinforcing and integrating theorectical and practical knowledge
Assessment: Assessments: Class tests are in the form of written papers, practicals (spotters) and orals (viva voce). Tests are generally scheduled in the middle of, and at the end of, a module. Tests assess all anatomy completed up to that stage in the module. A seminar test in the form of a written paper is held on completion of all seminars at the end of the semester. On-going viva assessments of cadaveric dissections are carried out throughout the semester. Summative Assessment: Examinations are conducted in the written format, as well as a practical and/or oral format. Each component of the examination carries an equal percentage of the marks. An additional examination in the oral format may be held for students who obtain an overall mark (Final Mark) which is below the pass mark, and who, in the opinion of the examiners, would benefit from an oral examination to enable them to pass. The format of the written paper may be a combination of mcq/essays/short questions/fill in the blanks or exclusively in one of those forms. No subminimum applies to any of the papers Calculation of marks: CAM: An average of all marks of all class tests Exam marks: An average of all the marks of the different components of that exam Final marks: ¼ of CAM + ¾ of Exam Mark Minimum mark required to qualify for supplementary examinations: CAM greater than 60 or Final Mark equal to or greater than 40
DP Requirement: For students to sit for the final examination in the module, a CAM of 40% or more is required

Anatomy of the Upper & Lower Limbs

ANAT311 W1 (36L-48T-72P-12S-74H-74R-0F-0G-4A-12W-32C)

Prerequisite: NONE
Corequisite: NONE
Aim: To expose students to the detailed anatomy of the limbs.
Content: Osteology; Breast; Brachial Plexus; Dermatomes & Myotomes; Lymphatic Drainage; Venous Drainage; Arterial Supply; Nerves; Gluteal Region; Muscles; Joints.
Practicals: 3 x 3 hours weekly
Assessment: CAM 25%; 1 x 2hr Written paper + 1 x 45min Practical and/or oral examination (75% of Final mark)
DP Requirement: 40%
This module has a lecture, practical, tutorial and seminar content that is specially designed for Medical Science. A laboratory fee is payable for this module.

Anatomy of the Trunk & Embryology

ANAT312 W2 (36L-36T-72P-12S-80H-80R-0F-0G-4A-12W-32C)

Prerequisite: NONE
Corequisite: NONE
Aim: To expose students to the thorax and abdomen and to introduce students to the early embryonic and foetal development of the human anatomy.

Content: Elementary anatomy: identification of surface anatomy; classification of joints, muscle movements; nervous system.
Practicals: 3 x 3 hours weekly
Assessment: CAM 25%; 1 x 2hr Written paper + 1 x 45min Practical and/or oral examination (75% of Final mark).
DP Requirement: 40%
This module has a lecture, practical, tutorial and seminar content that is specially designed for Medical Science. A laboratory fee is payable for this module.

Anatomical Research Methodology and Specialis

ANAT711 WY (12L-12T-96P-0S-168H-30R-0F-0G-2A-12W-32C)
Prerequisite: B Med Sc degree with minimum 60% pass in level 3 anatomy
Corequisite: NONE
Aim: To introduce selected research methodologies and techniques involved/ used in undertaking anatomical research
Content: Latex impregnation, micro-dissection techniques, use of light dissecting microscope. use of digital equipment. Lectures on each sub-section of thesis writing.
Practicals: 2 x 3 hours weekly
Assessment: Production of abstract of research project (ANAT 714 WY)
DP Requirement: Research Protocol By June; presentation of Thesis by September
A laboratory fee is payable for this module.

Advanced Topics 1

ANAT712 WY (0L-4T-40P-0S-56H-56R-0F-0G-4A-12W-16C)
Prerequisite: B Med Sc degree with minimum 60% pass in level 3 Anatomy
Corequisite: NONE
Aim: To undertake an examination of specialized areas in Limb and Neuroanatomy
Content: Dissection of regional anatomy
Practicals: 3 x 3 hours weekly
Assessment: CAM 25%; 1 x 3hr Written paper + 1 x 45min Practical and/or oral examination (75% of Final mark)
DP Requirement: 80% of module attendance
A laboratory fee is payable for this module

Advanced Topics 2

ANAT713 WY (0L-4T-40P-0S-56H-56R-0F-0G-4A-12W-16C)
Prerequisite: B Med Sc degree with minimum 60% pass in level 3 Anatomy
Corequisite: NONE
Aim: To undertake an examination of specialized areas in Head & Neck & Trunk Anatomy
Content: Dissection of regional anatomy
Practicals: 3 x 3 hours weekly
Assessment: CAM 25%; 1 x 3hr Written paper + 1 x 45min Practical and/or oral examination (75% of Final mark)
DP Requirement: 80% of module attendance
A laboratory fee is payable for this module.

Research Project

ANAT714 WY (0L-0T-199P-0S-200H-200R-40F-0G-1A-12W-64C)
Prerequisite: B Med Sc degree with minimum 60% pass in level 3 Anatomy
Corequisite: NONE
Aim: To expose students to research methodology with the ultimate aim of producing a mini-dissertation
Content: Individually conducted research in Anatomy
Practicals: 8 x 3 hours weekly
Assessment: Approximately 1-hour oral examination
DP Requirement: 100% Practical attendance; internal monthly assessments
none

Masters Research in Anatomy
ANAT8FY (0L-0T-0P-0S-0H-0R-0F-0G-0A-0W-0C)

Masters Research in Anatomy Subseq Yr
ANAT8SY (0L-0T-0P-0S-0H-0R-0F-0G-0A-0W-0C)

Human Anatomy
MAN1NUY M1 (64L-0T-64P-32S-142H-0R-0F-0G-18A-32W-32C)
Prerequisite: NONE
Corequisite: NONE
Aim: To expose students to human anatomy concentrating on gross morphology, osteology, embroyology, neuro-anatomy and clinically applied anatomy.
Content: Anatomical positions, planes, and basic terminology; overview of the nervous system; embroyology and teratogens, overview of osteology with reference to radiology; the lymphatic system; arthrology; the upper limbs & pectoral girgle; thorax; abdoman; pelvis and perineum; lower limbs and pelvic girgle; neuro-anatomy; head and neck; vertebral column.
Practicals: 1 x 2 hour session each week.
Assessment: Theory Test, Practical Spotter Test, Vivas; and 1 examination.
DP Requirement: Rule NURS4 (b) shall apply -candidates must attend at least 75% of all classes,100% in the clinical setting, save those from which they have been officially excused.

Medical Biochemistry

Offered in the School of Medical Sciences

Bioenergetics & Exercise Biochemistry
HMBC3EB W2 (14L-5T-18P-0S-37H-0R-0F-0G-6A-6W-8C)
Prerequisite: BIOC201, HPHS2C1, HPHS2E2, HPHS2G2, HPHS2N1.
Aim: Students will be introduced to the energy producing pathways of metabolism. Differences in metabolism at rest and following exercise will be discussed.
Content: Introduction to nutritional requirements of exercise. Energy for physical activity – energy value in food and energy transfer in exercise. Systems of energy delivery and utilisation. Work performance and environmental stress. Exercise and the immune system. Aspects of cardiovascular and skeletal muscle Biochemistry during exercise.
Practicals: Various methods are employed to assess the effect of exercise on the human body. Student volunteers will perform different types of endurance exercises; a blood sample will be extracted before and after the exercise routine. Lymphocytes and serum (Histopaque 1077) will be isolated from the blood and stained with JC-1 (to determine the role of mitochondria in energy metabolism. In addition, the following methods will be performed, viz., Single Cell Gel Electrophoresis, protein isolation and SDS-PAGE. Other biochemical assays that utilise spectrophotometry may be employed, viz., creatine kinase and lactate dehydrogenase assays.
Assessment: A written test covering the content covered during the semester. Practicals will be assessed by a comprehensive practical report at the end of each practical. Assignments as determined by lecturer. Final mark consists of 40% formative and 60% summative marks Formative: 60% tests and 40% classwork Summative: 100% exam mark
DP Requirement: 40% classmark, 80% attendance at all lectures, tutorials and practicals, 100% attendance at all tests.
Offered in Semester 2. A lecture note fee of R25-00 will be charged for this module.

Environmental Toxicology

HMBC3ET W1 (14L-5T-15P-0S-37H-3R-0F-0G-6A-6W-8C)

Prerequisite: BIOC201.

Aim: Students will develop an understanding of the basic principles of toxicology and diseases associated with hazardous environmental substances.

Content: Introduction to secondary metabolism. Secondary metabolites: antibiotics, mycotoxins and plant secondary metabolites will be discussed. Mycotoxins and disease in animals and humans. Biological mode of action of mycotoxins.

Practicals: The course includes five 3-hour practical sessions. These aim to introduce students to the different methods used in toxicology. The impact the toxicant has at cellular and molecular level will be studied using tissue culture, cytotoxicity tests such as MTT and JC-1 and the comet assay.

Assessment: A written test covering the content covered during the semester. Practicals will be assessed by a comprehensive practical report at the end of each practical. Assignments as determined by lecturer. Final mark consists of 40% formative and 60% summative marks Formative: 60% tests and 40% classwork Summative: 100% exam mark

DP Requirement: 40% classmark, 80% attendance at all lectures, tutorials and practicals, 100% attendance at all tests.

Offered in Semester 1. A lecture note fee of R25-00 will be charged for this module.

Metabolic Diseases

HMBC3MD W2 (29L-9T-12P-0S-104H-0R-0F-0G-6A-13W-16C)

Prerequisite: BIOC201.

Aim: Knowledge of the advanced theory of molecular biology and how this relates to various genetic defects that impact human health. This module will explore the molecular/genetic mechanisms of non-infectious and non-cancerous diseases.

Content: The following major themes: advances in modern molecular biology; abnormal metabolism, inborn errors of metabolism such as phenylketonuria, sickle cell anaemia, etc.; mitochondrial myopathies; collagen disorders.

Practicals: Practicals include the oral glucose tolerance test, cholesterol and lipid quantitation in serum using spectrophotometry, thin layer chromatography to detect amino acids in unknown solutionsand electrophoresis to determine plasma protein content and detect haemoglobinopathies.Case studies will be used to facilitate application of knowledge gained.

Assessment: A written test covering the content covered during the semester. Practicals will be assessed by a comprehensive practical report at the end of each practical. Assignments as determined by lecturer. Final mark consists of 40% formative and 60% summative marks Formative: 60% tests (equally weighted) and 40% classmark Summative: 100% exam mark

DP Requirement: 40% classmark, 80% attendance at all lectures, tutorials and practicals, 100% attendance at all tests.

Offered in Semester 2. A lecture note fee of R50-00 will be charged for this module.

Medical Biochemistry Research Project

HMBC3RP W2 (8L-12T-72P-8S-60H-0R-0F-0G-0A-15W-16C)

Prerequisite: 128C at Level 2 from the modules in the Biomedical Sciences Programme.

Aim: To introduce students to the research milieu in the field of Medical Science and expose them to other 'working scientists'.

Content: Content: Designing, undertaking, interpretation and reporting on a small independent research project.

Practicals: Practicals: Relevant laboratory-based techniques

Assessment: Written project motivation (15%), oral presentation of results (10%), formal written project report (75%).

DP Requirement: Attendance at all laboratory sessions.

Offered in Semester 2.

Wound Healing

HMBC3WH W2 (14L-5T-18P-0S-37H-0R-0F-0G-6A-6W-8C)

Prerequisite: BIOC201, HPHS2C1, HPHS2E2, HPHS2G2, HPHS2N1.

Aim: To introduce the basics of wound healing, as well as the modern developments in the understanding of wound healing.

Content: General Principles of Wound Healing. The role of growth factors in wound healing. Wound healing and wound infection. Chronic wounds. Hypertrophic scars, keloids, and contractures: The cellular and molecular basis for therapy.

Practicals: Practicals include: Wound care and basic first aid (sprains, fractures, burns). In vitro testing models are used to assess the bodies response to different types of injury (mechanichal, thermal, chemical, radiation). Cells are exposed to the above stresses and proteins (SDS-PAGE) and DNA (SCGE) are analysed. Also, standard histological staining will be employed to demonstrate the importance of the extracellular matrix in wound healing.

Assessment: A written test covering the content covered during the semester. Practicals will be assessed by a comprehensive practical report at the end of each practical. Assignments as determined by lecturer. Final mark consists of 40% formative and 60% summative marks Formative: 60% test and 40% classmark Summative: 100% exam mark

DP Requirement: 40% classmark, 80% attendance at all lectures, tutorials and practicals, 100% attendance at all tests.

Offered in Semester 2. A lecture note fee of R25-00 will be charged for this module.

Environmental Toxicology

HMBC7ET W2 (32L-10T-36P-7S-60H-0R-0F-5G-10A-13W-16C)

Aim: To introduce students to naturally occurring and/or potentially hazardous environmental substances and their harmful effects on biological systems.

Content: Topics covered include: fungal toxins and mycotoxicoses, plant toxins, animal toxins, drugs in foods, pesticides and organ toxicology. The student will develop an understanding of the diseases associated with exposure to certain substances, and the mechanisms by which these substances induce diseases.

Assessment: Final mark consists of 40% formative and 60% summative marks Formative: 60% tests (equally weighted) and 40% classmark Summative: 100% exam mark

DP Requirement: Attendance at 80% total module time.

A lecture note fee of R50-00 will be charged for this module.

Lab-Based Research Project

HMBC7LP WA (20L-0T-440P-32S-132H-0R-0F-0G-16A-26W-64C)

Aim: To improve the initiative, problem-solving ability, communication skills and technical expertise of the candidate.

Content: The candidate, guided by experienced and productive scientists, will work on a laboratory-based research project that is part of a larger integrated program.

Practicals: Laboratory-based module – will depend on research project allocated.

Assessment: Based largely on the compilation of a scientific paper and an oral presentation of the experimental work done during the year on the research project. Your research potential (based on skill in laboratory procedures, comprehension of and contribution to the project, and motivation towards advanced studies) will be assessed. Evaluation of a mini-dissertation, literature review and preliminary presentations will form part of the final mark.

DP Requirement: 100% attendance at seminars, Laboratory time at 50% total course time.

Molecular Biol & Res Methodology

HMBC7MB W2 (64L-20T-80P-26S-120H-0R-0F-0G-10A-13W-32C)

Aim: To develop an understanding of biochemical processes involved in the pathogenesis of various diseases, to ensure good and safe laboratory practice and to develop competence in carrying out experimental work, recording and evaluating results.

Content: This module comprises a comprehensive biochemical techniques and applications course, advanced molecular biology theory and presentation of journal articles. The biochemical techniques and applications covered include the principles and practice of tissue culture, flow cytometry, HPLC, microscopy (with special emphasis on immunochemical techniques), electrophoresis and western blotting and PCR. Topics covered in Advanced Molecular Biology Theory include cell death mechanisms – apoptosis/necrosis, mutagenesis, carcinogenesis and toxicology. Candidates will also present 2 recent journal articles per year.
Practicals: Practicals will be run for each of the techniques taught.
Assessment: Exam 60%, Year Mark 40%
DP Requirement: 100% attendance at journal clubs and practicals, 80% attendance at lectures.
A lecture note fee of R100-00 will be charged for this module.

Principles of Metabolism
HMBC7PM WA (32L-10T-36P-7S-60H-0R-0F-5G-10A-13W-16C)
Aim: To develop an understanding of the integrated metabolic pathways in humans, their regulation and the principles of enzyme control.
Content: The candidate will become familiar with the following topics: integrated metabolism, metabolism in disease eg. diabetes, regulatory enzymes, metabolism in exercise and endocrine control of metabolism.
Assessment: Exam 60%, Year Mark 40%
DP Requirement: Attendance at 80% total module time.
A lecture note fee of R50-00 will be charged for this module.

M Thesis Medical Biochemistry Full Time
HMBC8F1 (0L-0T-0P-0S-1920H-0R-0F-0G-0A-0W-192C)

M Thesis Medical Biochemistry Subseq Yr
HMBC8FS (0L-0T-0P-0S-1920H-0R-0F-0G-0A-0W-192C)

Physiology

Offered in the School of Medical Sciences

Basic Human Physiology
HPHS111 W1 (52L-4T-33P-0S-42H-21R-0F-0G-8A-15W-16C)
Aim: The student must demonstrate an understanding of the structure and function of the various organ systems in the human body including their role in maintaining homoestatis.
Content: Introduction to basic and physical and chemical concepts; Introduction to cells, tissues, homeostatic control mechanisms, nutrition, blood, metabolism and the basic structure and function of the nervous, cardiovascular, respiratory, renal, gastrointestinal, endocrine and reproductive systems.
Practicals: Practical: 1x3hrs weekly. 5 x 45 min lectures weekly
Assessment: Continuous assessment (generated from assessment of practical reports, tutorials and theory tests), 40%; one two-hour written paper, 60% of final mark If a student is absent from a test, a medical certificate must be produced immediately on return to enable the student to be retested. A zero mark will be otherwise allocated. The make-up test will be in the form of a viva.
DP Requirement: 90% practical, 100% test attendance. 40% achieved in the semester mark
A lecture note fee of R45-00 will be charged for this module.

Physiological Changes in Exercise & Training

HPHS112 W2 (52L-4T-33P-0S-41H-22R-0F-0G-8A-15W-16C)

Aim: An integrated understanding of the role of the cardiorespiratory and muscular systems in exercise and training.
Content: A study of different types of muscles and their role and changes during exercise and training; Nerve cells and their function; The central nervous system; The autonomic nervous system and the special senses with special reference to exercise and training,; A study of the heart, the major blood vessels and blood circulation and regulation of cardiovascular function during rest, exercise and training; The components and functions of the digestive system; The metabolic processes; nutrition and training.
Practicals: 1x3 hrs weekly 5 x 45 min lectures weekly
Assessment: Assessment: Continuous assessment (generated from assessment of practical reports, tutorials and theory tests), I), 40%; one two-hour written paper, 60% of final mark. If a student is absent from a test, a medical certificate must be produced immediately on return to enable the student to be retested. A zero mark will be otherwise allocated. The make-up test will be in the form of a viva.
DP Requirement: 90% practical, 100% test attendance. 40% obtained for semester mark.
A lecture note fee of R45-00 will be charged for this module.

Physiology 1

HPHS1NU (52L-0T-0P-0S-102H-0R-0F-0G-6A-15W-16C)

Aim: To provide core knowledge on the structure, principles of function and integrated control of neuromuscular, blood and immune systems. To become familiar with the relevant core knowledge of the structure and function of the human gastrointestinal system and blood. To equip students with relevant core knowledge of the structure and function of the cardiovascular and respiratory systems of the human body.
Content: Homeostasis, Membrane, nerve and muscle physiology. Introduction to the functioning of the nervous system, cardiovascular, respiratory, renal and gastrointestinal systems. Basic concepts of blood and immunology. Endocrine and reproductive physiology.
Assessment: Coursework assessment: 3 class tests - each test will be 1 hour long. Each test will contribute equally to the semester mark. If a student is absent from a test, a medical certificate must be produced immediately on return to enable the student to be retested. A zero mark will otherwise be allocated. The make-up test will be in the form of a viva. Examination assessment: 1 written 3 hour examination
DP Requirement: DP requirements: 40% obtained for the semester mark
A lecture note fee of R45-00 will be charged for this module.

Homeostasis

HPHS221 W1 (52L-4T-33P-0S-41H-22R-0F-0G-8A-15W-16C)

Aim: On completion of this module students should be able to relate how the body maintains homeostasis by use of the relevant bodily systems in health and disease. Students should also attain proficiency in related practicals
Content: Structure and function of the components of the neuromuscular, respiratory, renal and gastrointestinal system; Blood and body fluids, the regulation of extracellular fluid composition and volume and in acid-base balance; Renal, respiratory and gastrointestinal adjustments in health and disease; Metabolism of carbohydrates, proteins and lipids; Thermoregulation by physical and physiological mechanism.
Practicals: Practicals: 1x3 hrs weekly 5 x 45 min lectures weekly
Assessment: Course work assessment: 2x1hr Theory test & 1x3hr practical test will constitute 40% of the final module mark. If a student is absent from a test, a medical certificate must be produced immediately on return to enable the student to be retested. A zero mark will otherwise be allocated. The make-up test will be in the form of a viva Examination assessment: One 2 hr written paper will constitute 60% of the final module mark
DP Requirement: 90% practical, 100% test attendance A minimum of 40% required for the semester mark
A lecture note fee of R45-00 will be charged for this module.

Integration and Communication

HPHS222 W2 (52L-4T-33P-0S-41H-22R-0F-0G-8A-15W-16C)

Aim: To study the integrated function of human organ systems in health and disease.

Content: A study of the anatomy and function of nerve cells, spinal cord, brain sympathetic and parasympathetic nervous system; a study of the function of the special senses; disorders of the nervous system. The structure of the heart and its function as a pump; the vascular system, blood composition and function of its components; Blood pressure control and hypertension; Cardiovascular homeostasis in health and disease. Structure of the endocrine glands, hormonal secretion and associated abnormalities. Reproduction and hormonal control of sexual functions.

Practicals: 1x3hrs weekly 5 x 45 min lectures weekly

Assessment: Course work assessment: 2x1 hr theory tests and 1x3 practical test will constitute 40% of the final module mark. If a student is absent from a test, a medical certificate must be produced immediately on return to enable the student to be retested. A zero mark will otherwise be allocated. The make-up test will be in the form of a viva. Examination assessment: One 2 hr written paper will constitute 60% of the final module mark

DP Requirement: 90% practical, 100% test attendance. A minimum of 40% required for the semester mark

A lecture note fee of R45-00 will be charged for this module.

Foundations of Physiology

HPHS231 W2 (52L-12T-78P-10S-140H-20R-0F-0G-8A-15W-32C)

Prerequisite: BIOL103W1, CHEM110W1, CHEM120W2, PHYS131W1, PHYS132W2, BIMI120W2

Aim: To provide core knowledge on the structure, principles of function and integrated control of neuromuscular, gastrointestinal, blood and immune systems

Content: Homeostasis and homeostatic mechanisms; Cellular transport systems and chemical messengers; Neuron structure and physiology, signal transduction, intraneuronal and interneuronal signal transformation and transmission; muscle classification, structure, chemistry, physiological roles and mechanisms of contraction; Autonomic nervous system: structure, components, chemistry and physiological roles; Circulating body fluids; Haemostasis; Immune mechanisms in health and disease; Structure, function and regulation of the gastrointestinal system

Practicals: 2x3hrs weekly, 5x45 min lectures weekly

Assessment: Course work assessment: 2x1 hour theory tests and 2x 1 hour practical tests per semester will contribute to 40% of final module mark. Examination assessment: One 2 hour written paper will constitute 60% of final module mark. If a student is absent from a test, a medical certificate must be produced immediately on return to enable the student to be retested. A zero mark will be otherwise allocated. The make-up test will be in the form of a viva.

DP Requirement: 90% practical, 100% test attendance. A minimum of 40% required for the semester mark

A lecture note fee of R45-00 will be charged for this module.

Cardiorespiratory and Renal Physiology

HPHS232 W2 (52L-12T-78P-10S-140H-20R-0F-0G-8A-15W-32C)

Prerequisite: BIOL103W1; CHEM110W1; CHEM120W2; PHYS131W1; PHYS132W2; BIMI120W2

Aim: To provide core knowledge on the structure, principles of function and integrated control of cardiovascular, respiratory and renal systems.

Content: Electrical and mechanical activity of the heart; haemodynamics: the vascular system, microcirculation and lymphatics; the peripheral circulation and circulation through special regions; cardiovascular regulatory mechanisms in health and disease; Structure, function and regulation of the respiratory system. Structure and function of the renal system: Mechanism of urine formation and micturation; Homeostatic role of the kidneys in body-fluid, electrolyte and acid-base regulation, renal function in disease and drug handling.

Practicals: 2x3hrs weekly 5 x 45 min lectures weekly

Assessment: Coursework assessment: 2x 1 hour theory tests and 2x 1 hour practical tests per semester will contribute to 40% of final module mark. Examination assessment: One 2 hour written paper will constitute 60% of final module mark. If a student is absent from a test, a medical certificate must be produced immediately on return to enable the student to be retested. A zero mark will be otherwise allocated. The make-up test will be in the form of a viva.

DP Requirement: 90% practical, 100% test attendance. A minimum of 40% required for the semester mark

A lecture note fee of R45-00 will be charged for this module.

Physiology 2

HPHS2NU (52L-0T-0P-0S-102H-0R-0F-0G-6A-15W-16C)

Aim: On completion of this module, students should be able to:- Understand the concept fluid and electrolyte balance Be familiar with the cardiovascular and respiratory systems and to understand how these mechanisms work in health and disease To understand the concepts of immunology and how immunological mechanisms work To comprehend the pathophysiology of diabetes mellitus To appreciate the role of nutrition in health and disease

Content: Case-based study of selected physiology themes such as immunity, cardiovascular and respiratory systems, nutrition, fluid and electrolyte balance. Diabetes mellitus.

Assessment: Coursework assessment: 3 class tests – each test will be 1 hour long and contribute equally to the semester mark Examination assessment: 1 written 3 hour examination paper Total module mark = 40% semester mark + 60% Exam Mark

DP Requirement: 40% achieved in the semester mark

A lecture note fee of R45-00 will be charged for this module.

Human Genetics Applied Physiology

HPHS322 W2 (52L-12T-78P-10S-140H-20R-0F-0G-8A-15W-32C)

Prerequisite: HPHS231W1, HPHS232W2, BIOC201W1, BIOC202W2

Aim: Knowledge and understanding of normal body metabolism and thermoregulation and the adaptive physiological changes that occur during stress due to environment, exercise and disease. Knowledge and understanding of chromosomal basis of heredity, human and population genetics and genetic diseases. Knowledge and understanding of immunological defence mechanisms

Content: Metabolism during well-fed, fasting, starving and diseased states; Thermoregulation and the consequences of the breakdown thereof; nutrition, malnutrition and the balanced diet; Environmental factors in health and disease; Stress; Exercise; regulation and interaction of multiple systems; Integrative and adaptive mechanisms of physiological functions in health and disease; Chromosomal basis of heredity and chromosomal disorders; Population genetics; Genetic diseases and their treatment.

Practicals: 2X3hrs weekly 5x45 min lectures weekly

Assessment: Coursework assessment: 2x 1 hour theory tests and 2x 1 hour practical tests per semester will contribute to 40% of final module mark. Examination assessment: One 2 hour written paper will constitute 60% of final module mark. If a student is absent from a test, a medical certificate must be produced immediately on return to enable the student to be retested. A zero mark will be otherwise allocated. The make-up test will be in the form of a viva.

DP Requirement: 90% practical, 100% test attendance. A minimum of 40% required for the semester mark

A lecture note fee of R45-00 will be charged for this module.

Neuroendocrine Physiology

HPHS331 W1 (52L-12T-78P-10S-140H-20R-0F-0G-8A-15W-32C)

Prerequisite: HPHS231W1, HPHS232W2, BIOC201W1, BIOC202W2

Aim: Demonstrate a knowledge and understanding of the nervous system and its regulatory function, a knowledge and understanding of the endocrine and reproductive systems and their function

Content: The peripheral nervous system, The somatosensory system and special senses, Spinal organization of motor function and its control by the cerebral cortex, cerebellum and basal ganglia, Reticular activating system and sleep, The autonomic nervous system and its control, The limbic system, the cerebral cortex and higher functions of the nervous system. General principles of neuroendocrine hormone regulation: synthesis, release, transport, mechanism of action and regulation of metabolism by the thyroid gland, endocrine pancreas and the adrenal gland. Hormonal control of calcium and phosphate metabolism. Development and function of the male and female reproductive system.

Practicals: 2 x 3 hrs weekly 5 x 45 min lectures weekly

Assessment: Coursework assessment: 2x 1 hour theory and 2x1 hour practical tests per semester will contribute 40% of the final module mark. Examination assessment: 1 written 2 hour paper will constitute 60% of the final module mark. If a student is absent from a test, a medical certificate must be produced immediately on return to enable the student to be retested. A zero mark will be otherwise allocated. The make up test will be in the form of a viva

DP Requirement: A minimum of 40% required for the semester mark. 90% practical attendance and 100% test attendance

A lecture note fee of R45-00 will be charged for this module.

Specialized Physiological Techniques

HPHS701 W1 (15L-15T-100P-0S-30H-0R-0F-0G-0A-15W-16C)

Prerequisite: B. Sc or B Med Sc degree with minimum 60% pass in level 3 physiology.
Aim: To demonstrate a knowledge of the theoretical and practical basis of electrolyte, trace element, blood pressure analysis and protein and lipid analysis.
Content: Radioisotope techniques; ELISA techniques; Electrolyte, protein and lipid analysis; Haematology and Aggregometry, Atomic Absorption Spectrometry and trace metal analysis; Pharmacophysiological Screening Tests; Animal diet formulation; Histological Techniques
Assessment: Entirely by continuous assessment. Summative : One 2 hour written paper will constitute the final module mark.
DP Requirement: 100% practical attendance
A lecture note fee of R45-00 will be charged for this module.

Ancillary research techn. for Life Sciences

HPHS710 (15L-15T-100P-0S-30H-0R-0F-0G-0A-15W-16C)

Prerequisite: B.Sc or B. Med SC degree with minimum 60% pass in level 3 Physiology modules.
Aim: To introduce students to general laboratory based Research in Medical Sciences
Content: Core aspects of scientific research such as statistics, scientific writing, and the use of different biological models in research.
Assessment: Coursework: Practical reports and attendance and 1 X hr statistics test will form 40 % final module mark Examination: One 2 hour written paper will constitute 60% of final module mark.
DP Requirement: minimum of 40% year mark, 90% practical attendance and 100 % test attendance
A lecture note fee of R45-00 will be charged for this module.

Integrative Physiology

HPHS711 W1 (20L-40T-0P-0S-78H-20R-0F-0G-2A-15W-16C)

Prerequisite: B.Sc or B. Med SC degree with minimum 60% pass in level 3 Physiology modules.
Aim: To provide an advanced integrated study of selected topics in exercise, respiratory and cardiovascular physiology, cytology and neurophysiology.
Content: Selected essays on exercise, respiratory, cardiovascular physiology, cytology and neurophysiology
Assessment: Coursework : Assessment of assignments will form 40 % final module mark Examination: One 2 hour written paper will constitute 60% of final module mark.
DP Requirement: 100% assignment submission. A minimum of 40% for the semester mark
A lecture note fee of R45-00 will be charged for this module.

Applied Physiology

HPHS721 W2 (20L-20T-0P-0S-98H-20R-0F-0G-2A-15W-16C)

Prerequisite: BSc or B.Med S degree with minimum 60% pass in level 3 Physiology modules
Aim: To provide an advanced integrated study in applied aspects of immunology, endocrinology, gastrointestinal, renal and reproductive physiology. It entails a review and presentation on selected topics in Applied physiology.
Content: Applied aspects of immunology, endocrinology, gastrointestinal, renal and reproductive physiology
Assessment: Coursework : Assessment of written seminar and presentation will form 40 % final module mark Examination: One 2 hour written paper will constitute 60% of final module mark.
DP Requirement: 100% seminar submission and presentation. A minimum of 40% for the semester mark
A lecture note fee of R45-00 will be charged for this module.

Pathophysiology

HPHS731 W2 (20L-20T-0P-20S-80H-18R-0F-0G-2A-15W-16C)

Prerequisite: BSc or B.Med S degree with minimum 60% pass in level 3 Physiology modules
Content: It entails a review on selected topics in pathophysiology, neuroendocrine control mechanisms, nutrition and metabolism.

Assessment: Continuous assessment (class record), 40%; one two-hour written paper, 60% of final mark.
DP Requirement: 100% assignment submission, A minimum of 40% for the semester mark
A lecture note fee of R45-00 will be charged for this module.

Physiology Honours Research Project

HPHS741 W2 (20L-60T-220P-60S-100H-20R-0F-0G-0A-26W-48C)

Aim: After completion of the module students will be expected to report on results they have obtained during a research project and should be able to critically analyse data and compare their results to known literature in the field
Content: Research project in any one of the following Physiology fields: Cardiovascular, Respiratory, Exercise Physiology, Endocrinology, Renal, Environmental or Nutritional/Gastro-intestinal Physiology, Neurophysiology and Immunology.
Assessment: Mini dissertation or project write-up (65% of final mark) Research performance during the year (15% of final mark) End of year presentation of results (20% of final mark)
DP Requirement: As per faculty rules.
A lecture note fee of R45-00 will be charged for this module.

Masters Research in Physiology

HPHS8FY (0L-0T-0P-0S-0H-0R-0F-0G-0A-0W-0C)

Masters Research in Physiology Subseq Yr

HPHS8SY (0L-0T-0P-0S-0H-0R-0F-0G-0A-0W-0C)

Nursing

Offered in the School of Nursing

Fundamental Nursing

NURS100 HY (48L-12T-24P-16S-67H-20R-80F-48G-5A-30W-32C)
Prerequisite: NONE
Corequisite: NONE
Aim: To provide students with an introduction to basic nursing care of individuals, groups and ommunities.
Content: Deals with the self care needs/basic human needs/activities of living of individuals and families, both healthy and sick of all ages. The focus of the course is the wellbeing of individuals, groups and communities. Includes assessment of self care, analysis of need for assistance, formulation of a care plan, implementation and evaluation of nursing interventions. Also focuses on professional writing skills.
Practicals: Assessment of self-care individuals and groups in settings for healthy persons, introduction to hospitals. Clinical skills related to basic nursing care and the elderly. Personal safety as a health practitioner is the focus of this course.
Assessment: 2 tests, 7 projects, 1 two and a half-hour examination paper and one practical examination
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused.

Portfolio Development

NURS101 HC (16L-36T-50P-0S-39H-0R-0F-15G-4A-0W-16C)

Prerequisite: NONE
Corequisite: NONE
Aim: This module is aimed at people who want to develop a portfolio with a view to obtaining access to an educational programme or credit in a specific programme.
Content: Process of Portfolio development (reflection on previous learning; selecting significant learning, writing Formal Learning Outcomes; constructing a Summary transcript) Collecting evidence. Quality of evidence to prepare for making a claim. Assembling the Portfolio
Practicals: NONE
Assessment: NONE
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes.

Principles & Methods of Teaching & Evaluation

NURS102 H2 (24L-6T-12P-8S-62H-20R-0F-24G-4A-13W-16C)

Prerequisite: Registration as a nurse
Aim: To introduce the student to different approaches to teaching.
Content: Teaching Theories. Teaching methods and technology. Design of an educational programme and module. Classroom and clinical student evaluation. The practical implications of teaching principle, and designing lessons...
Practicals: 10 teaching lessons and 5 clinical demonstrations
Assessment: One 2-hour paper.
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes.

Theories of Learning for Health Professional

NURS103 H2 (24L-6T-12P-8S-62H-20R-0F-24G-4A-13W-16C)

Prerequisite: NURS102
Corequisite: NONE
Aim: To expose students to current debates in nursing education.
Content: Exploration of current trends influencing health professional education such as NQF, Open and Distance learning Technology in Higher Education , Quality Assurance in Higher Education, and special didactics for specific disciplines.
Practicals: 24 hours in clinical skills laboratory.
Assessment: One 2-hour paper.
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes.

General Nursing 1

NURS110 H1 H2 (96L-24T-48P-32S-158H-20R-160F-96G-6A-40W-64C)

Prerequisite: Enrolment as a nurse and fundamental nursing
Corequisite: NONE
Aim: To upgrade the knowledge and skills of enrolled nurses in the area of general nursing and professional practice.
Content: Nursing care of patients with common diseases or trauma along the development continuum including children, adolescents and adults incorporating the elderly. Pharmacology, infection control, professional practice and ethos of nursing are also incorporated throughout. This is based on case studies.
Practicals: 20 hours of individualised student accompaniment
Assessment: 4 tests, 1 clinical exam, 3-hour paper theoretical exam
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused.

Mental Health Nursing 1
NURS120 H1 H2 (48L-12T-24P-16S-67H-20R-80F-48G-5A-30W-32C)
Prerequisite: Registration as a general nurse
Corequisite: NONE
Aim: To prepare nurses for community-based mental health care.
Content: Introduction to psychiatric mental health illness and comprehensive care. Psychiatric assessment and treatment. Nursing care of clients with emotional and psychiatric problems in a Primary Health Care setting. Psychopharmacology. Mental retardation and related nursing care.
Practicals: In community and primary health care settings
Assessment: One 3-hour paper. One practical examination.
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused.

Nursing Management 1
NURS130 H1 H2 (48L-12T-24P-16S-67H-20R-80F-48G-5A-30W-32C)
Prerequisite: Must be a registered nurse.
Aim: To introduce middle level managers to the processes and structures involved in managing a clinic.
Content: This is a case based course, which centres on the role of a person managing a clinic. A comprehensive study of aspects such as human resource management, quality assurance, community outreach, problem-solving and conflict resolution, team and group dynamic, and communication is dealt with in an integrative manner.
Practicals: Organise open day in community.
Assessment: Two tests, two assignments, one case study, on 3-hour exam.
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes, save those from which they have been officially excused.

Mental Health Nursing 2
NURS200 HC (48L-12T-24P-16S-67H-20R-80F-48G-5A-30W-32C)
Prerequisite: Registration as a general nurse
Aim: To prepare nurses for community-based mental health care.
Content: The principles and practice of psychosocial rehabilitation of people with a psychiatric disability. Vocational, social, personal and educational aspects of rehabilitation. The problem of stigma. The primary prevention of mental illness
Practicals: In community and primary health care settings
Assessment: Two 3-hour papers, of which one is an integrative paper covering both year courses. One practical examination.
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused

Service Learning in Nursing
NURS201 HC (0L-8T-0P-0S-40H-0R-101F-11G-0A-0W-16C)
Prerequisite: NONE
Corequisite: NONE
Aim: To enrich practice with intensive theoretical scrutiny.
Content: In this module students are given tasks in health services for the benefit of the service and the community in a structured way to allow them to develop specific skills and knowledge. Tasks may be in the field of education management or clinical practice.
Practicals: 100 hours in task completion.
Assessment: Written project report and portfolio.
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused.

Oncological Conditions

NURS204 H2 (24L-6T-12P-8S-22H-20R-40F-24G-4A-13W-16C)

Prerequisite: NURS205
Corequisite: NONE
Aim: To study the most common oncological conditions and their treatment.
Content: Cancer disorders of all body systems in all age groups. Treatment modalities and the nursing implications. Pharmacology as applied to oncology and treatment side-effects. Common oncological emergencies. Home-based, hospice and hospital based care. Special issues in paediatric oncology nursing. Legal and ethical aspects of care. Principles of palliative care.
Practicals: NONE
Assessment: 1 two-hour paper
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused.

Foundations of Oncology

NURS205 H1 (24L-6T-12P-8S-22H-20R-40F-24G-4A-13W-16C)

Prerequisite: General Nursing 1 and 2
Corequisite: NONE
Aim: To introduce nurses to the basic principles of oncology.
Content: The principles of cancer biology and pathophysiology. Epidemiology, staging and prevention. Psychosocial and economic aspects of illness and care. Oncology in the formal and informal health systems.
Practicals: NONE
Assessment: One 2-hour paper.
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused.

Unit Management and Teaching

NURS207 HC (40L-0T-14P-0S-0H-0R-96F-10G-0A-0W-16C)

Prerequisite: NONE
Corequisite: NONE
Aim: To prepare first line nurse managers
Content: This module focuses on the leadership role of the nurse as unit manager. It deals with the cardinal aspects of first line management such as supervision, financial and human resource management and clinical teaching. It also aims at improving the management of the health care information system at this level.
Practicals: Assignments in work settings.
Assessment: One 2 hour paper and a unit portfolio
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused.

Critical Care Nursing A

NURS211 H2 (36L-9T-18P-12S-44H-20R-60F-36G-5A-13W-24C)

Prerequisite: General Nursing 1 and 2.
Corequisite: NONE
Aim: To prepare clinical nurse specialists in critical care.
Content: A case and competency based curriculum built around the competencies of the nursing process (assessment, diagnosis, planning, implementation and evaluation) and the body systems of an individual (respiratory, cardio-vascular, neuro, renal, fluid/electrolyte). The appropriate scientific foundations in pathophysiology, pharmacology, microbiology and social sciences will be incorporated into the competencies.
Practicals: Comprehensive, individualised nursing care of at least 12 patients in critical care settings covering various disciplines
Assessment: 1two-hour paper and 1 practical examination.
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused.
A lecture note fee of R30-00 will be charged for this module.

Critical Care Nursing B

NURS212 H2 (36L-9T-18P-12S-44H-20R-60F-36G-5A-13W-24C)

Prerequisite: General Nursing 1 and 2 and Critical Care Nursing A
Corequisite: NONE
Aim: To prepare clinical nurse specialists in critical care
Content: A case and competency based curriculum built around the competencies of the nursing process (assessment, diagnosis, planning, implementation and evaluation) and the body systems of an individual (respiratory, cardio-vascular, neuro, renal, fluid/electrolyte). The appropriate scientific foundations in pathophysiology, pharmacology, microbiology and social sciences will be incorporated into the competencies.
Practicals: Comprehensive, individualised nursing care of at least 13 patients in critical care settings covering various disciplines.
Assessment: 1two-hour paper and 1 practical examination.
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused.
A lecture note fee of R30-00 will be charged for this module.

Nursing Research Theory

NURS217 HC (24L-6T-12P-8S-62H-20R-0F-24G-4A-13W-16C)

Aim: To introduce students to the research process in nursing.
Content: The research process in nursing. Data collection methods and instruments. Research design and sampling. Data analysis and description. Writing research reports. Evaluation research and quality control.
Assessment: one 2-hour paper.
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes, save those from which they have been officially excused.
A lecture note fee of R30-00 will be charged for this module.

Nursing Philosophy

NURS219 HC (24L-6T-12P-8S-62H-20R-0F-24G-4A-13W-16C)

Aim: To introduce nurses to the philosophy of the profession.
Content: The characteristics of nursing and the professional nurse. Models, theories and philosophies of nursing. The historical development of nursing as an academic discipline and a profession. Nursing ethics.
Assessment: 1 two-hour paper.
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused.
A lecture note fee of R30-00 will be charged for this module.

Curr Devel for Health Programmes

NURS221 H1 (24L-6T-12P-8S-62H-20R-0F-24G-4A-13W-16C)

Prerequisite: NURS103 and NURS102
Corequisite: NONE
Aim: To prepare a tutor competent in the process of developing a curriculum., and to introduce educators to management of a college
Content: The process of curriculum development. Different types of curricula and their underlying philosophy. The system of NQF and its implications for professional education. Introduction to programme evaluation and quality improvement in higher education, and college administration.
Practicals: (A group project) and design a curriculum and 10 hours Educational Administration spent at an approved Nursing Education Institution.
Assessment: One 2-hour paper.
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes.
A lecture note fee of R30-00 will be charged for this module.

Advanced Clinical Practice

NURS223 HC (40L-0T-10P-0S-0H-0R-90F-10G-0A-15W-15C)

Prerequisite: NONE
Corequisite: NONE
Aim: To equip unit managers with advanced clinical skills
Content: This module addresses the advanced clinical skills which a generalist unit manager needs in order to take the leadership in a unit. It has a compulsory component which focuses on high care and emergency nursing, as well as aspects of community nursing. Students can then choose another component (mental health or adult and child health). It gives additional knowledge and skills, without focusing on just one specialty area.
Practicals: Assignments in work settings
Assessment: One 2-hour paper and clinical portfolio.
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused.

Issues in Health Professional Education

NURS224 H2 (24L-6T-12P-8S-62H-20R-0F-24G-4A-13W-16C)

Prerequisite: NURS103 and NURS102
Aim: To expose students to current debates in nursing education.
Content: Exploration of current trends influencing health professional education such as NQF, Open and Distance Learning Technology in Higher Education, Quality Assurance in Higher Education, and special didactics for specific disciplines.
Practicals: 24 hours in clinical skills laboratory.
Assessment: One 2-hour paper.
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes.
A lecture note fee of R30-00 will be charged for this module.

Preventative and Promotive Health

NURS230 HY (48L-12T-24P-16S-67H-20R-80F-48G-5A-34W-32C)

Prerequisite: NONE
Corequisite: NURS100
Aim: To experience the process of entering a community for health promotion, illness prevention, and implementing health promotion scientifically.
Content: The nature of nursing, health and illness. Health promotion and illness prevention in communities and families. The process of community assessment and individual health screening, problem identification and analysis through the life span with special emphasis on the young child, and community involvement.
Practicals: Students are placed in communities, where they have to implement a health promotion/illness prevention project. Students complete a compulsory course in HIV/AIDS counselling.
Assessment: 4 projects, 1 two and a half-hour theory exam, one practical project, and one problem-solving examination.
DP Requirement: Rule NURS4 (b) shall apply-candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused.

Primary Care 1

NURS231 H2 (48L-12T-24P-16S-67H-20R-80F-48G-5A-40W-32C)

Prerequisite: Community Development or Primary Health Care
Corequisite: See Prerequisite
Aim: To equip PHC nurses to diagnose and treat minor and common ailments in children and adults.
Content: Principles of health assessment, emergency care, diagnosis and treatment of minor , common and chronic illnesses in adults and children. All systems as well as reproductive health and communicable diseases will be dealt with. Pharmacology and the EDL will be integrated comprehensively. Ethical and medico-legal aspects will be addressed.

Practicals: Supervised sessions in health services, and workbook completed in a PHC setting.
Assessment: Two 2-hour papers. One paper will deal specifically with pharmacology. One practical examination.
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused.

Primary Care 2

NURS232 H1 (48L-12T-24P-16S-67H-20R-80F-48G-5A-40W-32C)
Prerequisite: NURS231
Corequisite: NONE
Aim: To equip PHC nurses to diagnose and treat minor and common ailment sin children and adults.
Content: Principles of health assessment, emergency care, diagnosis and treatment of minor , common and chronic illnesses in adults and children. All systems as well as reproductive health and communicable diseases will be dealt with. Pharmacology and the EDL will be integrated comprehensively. Ethical and medico-legal aspects will be addressed.
Practicals: Supervised sessions in health services, and workbook completed in a PHC setting.
Assessment: Two 2-hour papers. One paper will deal specifically with pharmacology. One practical examination.
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused.

Foundations of Neonatology

NURS233 H1 (24L-6T-12P-8S-22H-20R-40F-24G-4A-15W-16C)
Prerequisite: Midwifery
Corequisite: NONE
Aim: To prepare midwives and critical care nurses to work with critically ill neonates.
Content: The principles of neonatal embryology and neonatal pathophysiology Epidemiology of neonatal conditions. Common and serious conditions of body systems affecting the neonate: prevention, diagnosis, treatment and care. Resuscitation of the neonate. Pharmacology for the neonate.
Practicals: Exposure to low-care, high-care, normal nursery and caesarean section theatre.
Assessment: One 2 hour paper and one practical examination.
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused.

Trauma Nursing

NURS234 H2 (24L-6T-12P-8S-22H-20R-40F-24G-4A-13W-16C)
Prerequisite: Must be a registered nurse.
Corequisite: Advanced cardiac life support / advanced paediatric life support
Aim: To prepare a trauma nurse specialist.
Content: The phases of work of a trauma nurse will be dealt with in this course: out-of-service assessment and intervention; transport, triage in trauma unit, assessment, intervention and preparation for transfer. All types of trauma and medical emergencies will be included, both in rural and urban settings.
Practicals: Emergency nursing care of the client in the pre-hospital and hospital setting
Assessment: 1 two-hour paper and 1 practical examination
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused.

Neonatal Nursing

NURS235 H2 (24L-6T-12P-8S-22H-20R-40F-24G-4A-15W-16C)
Prerequisite: NURS233
Corequisite: NONE
Aim: To prepare a clinical nurse specialist in neonatal critical care.

Content: Creating a safe environment for the neonate, physically and psychosocially. Nutrition and fluid and electrolyte balance in the neonate. Transporting of neonates. Ensuring continuity of care between different service levels. Caring for the family of the high risk and dying neonate Management of a neonatal unit. Consultation and teaching role of the neonatal nurse specialist.
Practicals: Exposure to low-care, high care, intensive care, nursery and labour ward.
Assessment: 1 two- hour paper and one practical examination.
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused.

Nursing Management 2

NURS240 H1 H2 (48L-12T-0P-16S-91H-20R-80F-48G-5A-30W-32C)
Prerequisite: NURS130
Corequisite: See Prerequisite
Aim: To prepare mid-level managers who can manage a small hospital.
Content: This is a case based course, which centres on the role of a person in charge of a small hospital. A comprehensive study is made of requisitioning a new facility, accreditation and inspection,participative management, strategic planning and organisational climate and change. The teaching aspect of health services and information systems are also dealt with.
Practicals: practical assignments and instruction in institutional and extra-institutional service - 90 hours, assignment in a clinical setting, situational analysis in a hospital nursing management setting.
Assessment: 2 tests, 1 case study, 5 assignments, two 3-hour exams.
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes.

Advanced Mental Health Nursing 1

NURS250 HY (25L-10T-20P-0S-159H-40R-0F-62G-4A-30W-32C)
Prerequisite: Mental Health Nursing 1 and 2.
Corequisite: NONE
Aim: To prepare a clinical nurse specialist with advanced skills and knowledge.
Content: The diagnosis, treatment, rehabilitation and care of complex psychiatric cases referred to them. Deal with treatment and rehabilitation resistant conditions or clients. Consultancy to Primary Health Care service providers Psycho-education and treatment and rehabilitation protocols. Community-based rehabilitation of psychiatrically disabled people.
Practicals: Completion of assignments based in workplace.
Assessment: 1 three-hour paper. One practical examination.
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused.

General Nursing 2

NURS260 H1 (96L-24T-48P-32S-158H-20R-160F-96G-6A-40W-64C)
Prerequisite: General Nursing 1
Corequisite: NONE
Aim: To complete the upgrading of enrolled nurses to professional nurses and teaches unit administration.
Content: Nursing Care of patients requiring intensive care. Disaster nursing. Ethos and Professional Practice and unit administration is included.
Practicals: 10 hours of individualised student accompaniment
Assessment: 4 tests, 1 clinical exam, three-hour paper theoretical exam
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused.

Community Health Nursing
NURS262 HY H1 H2 (48L-12T-24P-16S-67H-20R-80F-48G-5A-30W-32C)
Prerequisite: Registration as a nurse
Corequisite: NONE
Aim: To prepare nurses for rendering aggregate care.
Content: A community and problem-based course. Environmental health care Infectious diseases Individual and family focused primary health care Community assessment and planning Health care systems Delivery of primary health care Epidemiology.
Practicals: 240 hours in various community settings
Assessment: Two 2-hour papers. One practical examination.
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused.

Advanced Midwifery
NURS300 HY (48L-12T-24P-16S-67H-20R-80F-48G-5A-26W-32C)
Prerequisite: Midwifery
Corequisite: NONE
Aim: To prepare midwives with additional skills and knowledge.
Content: The assessment, management and health education of women with high risk pregnancy, labour or peuperium, and termination of pregnancy. Skills in referral, consulting and managing midwifery programmes in urban and rural areas will be included. Epidemiology and context of such services and ethical problems.
Practicals: Antenatal, labour, postnatal and neonatal units
Assessment: 1 two- hour papers and one practical examination.
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused
A lecture note fee of R40-00 will be charged for this module.

General Nursing
NURS301 H1 (72L-18T-36P-24S-112H-20R-120F-72G-6A-15W-48C)
Prerequisite: Nursing 200Y, Anatomy, four social science courses.
Aim: To master the nursing care of clients in general hospitals with common illnesses.
Content: Problems of patients in all developmental stages in general nursing settings will be analysed based on a theoretical framework. The physiological, pharmacological, social, psychological and other implications will be explored and possible solutions suggested and tested. Mastery (of clinical procedures needed in these clinical areas will be demonstrated. Application of research to clinical practice will be done.
Practicals: Nursing care in all types of wards in general hospitals.
Assessment: 1st Semester. one practical examination and a problem solving examination.. 2nd Semester. One 3-hour paper; one practical examination.
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused.

Issues in Critical Care Nursing
NURS303 H1 (24L-6T-12P-8S-22H-20R-40F-24G-4A-15W-16C)
Prerequisite: NURS211 and NURS212
Aim: Expose the nurse to analysis of the context of critical care in SA.
Content: A care and competency based curriculum built around the contingency, task environmental competencies of the Critical Care Nurse (family, team and services competencies, as well as community and professional competencies). It will incorporate critical care issues in rural and urban settings, as well as all contextual factors.
Practicals: Work in various critical care settings analysing the context from which patients come
Assessment: 1 two-hour paper and one project.
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused.

Facilitation of Recognition of Prior Learning

NURS307 H2 (24L-6T-12P-8S-62H-20R-0F-24G-4A-0W-16C)

Prerequisite: An Education qualification
Corequisite: NONE
Aim: This module is aimed at preparing educators to facilitate the RPL process in an institution as an administrator, advisor and/or assessor.
Content: Theoretical and Philosophical underpinings; Historical background, Benefits of RPL; Process of RPL; RPL Policy Formulation (Institutional). Orientation of Exit Level Outcomes; Design an RPL programme for a specific Target Group, Assessment methods; Portfolio Development process and product and Portfolio Assessment; Quality Assurance in RPL.
Practicals: RPL advising and institutional policy development, RPL assessment and Own Portfolio Development.
Assessment: 1 Two hour paper and 3 practical Case Presentations
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes.
A lecture note fee of R30-00 will be charged for this module.

Research in Nursing

NURS308 H2 (24L-6T-0P-8S-74H-20R-0F-24G-4A-26W-16C)

Prerequisite: Nursing 230Y
Corequisite: NONE
Aim: To allow students to work through the research process.
Content: This course uses an experiential approach to facilitate students understanding of the research process, ability to carry out own research and the utilisation of research in nursing. The course is implemented as an experience that takes the students through the activities carrying out a research project from proposal to the reporting of a completed project.
Practicals: Complete a research project.
Assessment: One two-hour paper and one research project.
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes.

Advanced Mental Health Nursing 2

NURS310 HY (48L-12T-24P-16S-67H-20R-80F-48G-5A-30W-32C)

Prerequisite: Advanced Mental Health Nursing 1.
Corequisite: NONE
Aim: To prepare a nurse specialist to give leadership in District Mental Health Care.
Content: The diagnosis, treatment and care of children and families with mental health problems. Service planning and management. Programme evaluation. Planning, implementation and evaluation of primary prevention programmes for mental illness in community and primary health care settings. Integrating psychiatric/mental health care into the District Health Service.
Practicals: Completion of assignments based in workplace.
Assessment: 2 three-hour papers, of which one is an integrative paper covering the work of both years. one practical examination.
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused.

International Nursing

NURS311 HC (0L-18T-12P-0S-30H-0R-90F-10G-0A-0W-16C)

Prerequisite: NONE
Corequisite: NONE
Aim: To involve nurses in comparative health.
Content: In this module students will be exposed to the health care system of a foreign country, and assisted in analyzing specific aspects of that system in comparison with their own. This will include service delivery and human resource development (education) as well as the wider context of the service. Students will be prepared for the international experience, given tasks to complete during the experience, and assisted with analysis of information after the exposure.

Practicals: 72 hours in a foreign health service.
Assessment: Portfolio and written project.
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes.

Administration in Nursing Units

NURS313 H2 (12L-3T-0P-4S-6H-20R-20F-12G-3A-0W-8C)
Prerequisite: Nursing 301
Corequisite: NONE
Aim: To enable learners to manage a health care unit, whether in a hospital or a community setting.
Content: Firstly line human and material resource management, managing ethical dilemmas, and developing clients and staff.
Practicals: Placement in a unit as first line manager, with a mentor.
Assessment: An individual project.
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused.

Nursing Research Project

NURS319 H2 (0L-0T-0P-16S-288H-0R-0F-16G-0A-13W-32C)
Prerequisite: NURS217
Corequisite: NONE
Aim: To allow students to practice their research skills
Content: Students are required to complete a mini research project individually or in small groups, working with health services staff. They work through the total process from proposal to report stage.
Practicals: NONE
Assessment: A research project.
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused.
A lecture note fee of R30-00 will be charged for this module.

Oncological & Palliative Nursing

NURS330 HY (48L-12T-24P-16S-67H-20R-80F-48G-5A-26W-32C)
Prerequisite: NURS205 and NURS204
Corequisite: NONE
Aim: To produce a clinical nurse specialist in oncological and palliative care nursing.
Content: Planning and implementation of holistic and comprehensive specialized care for people with Cancer and their families. Dealing with specific problems such as pain, nutrition,
Practicals: NONE
Assessment: 2 two-hour papers. One practical examination.
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused.
A lecture note fee of R40-00 will be charged for this module.

Nursing 301

NURS331 H2 (72L-18T-36P-24S-112H-20R-120F-72G-6A-15W-48C)
Prerequisite: Nursing 200Y, Anatomy, four social science courses.
Corequisite: NONE
Aim: To master the nursing care of clients in general hospitals with common illnesses.
Content: Problems of patients in all developmental stages in general nursing settings will be analysed based on a theoretical framework. The physiological, pharmacological, social, psychological and other implications will be explored and possible solutions suggested and tested. Mastery (of clinical procedures needed in these clinical areas will be demonstrated. Application of research to clinical practice will be done.

Practicals: Nursing care in all types of wards in general hospitals.
Assessment: 1st Semester. one practical examination and a problem solving examination.. 2nd Semester. One 3-hour paper; one practical examination.
DP Requirement: Rule NURS4 (b) shall apply-candidates must attend at least 75% of all classes,100% in the clinical setting, save those from which they have been officially excused.

Managing Learning Organisations
NURS341 H2 (24L-6T-12P-8S-42H-20R-20F-24G-4A-14W-16C)
Prerequisite: Nursing (Clinical Specialisation or Education or Management) at NQF Level 5C. Computer Literacy.
Aim: Learners credited with this module should be able to lead organisational learning in the health sector and therefore contribute to enhanced personal and health sector organisation development for quality patient outcomes.
Content: To demonstrate a critical understanding of learning organisation theories, principles and approaches including emerging issues within the context of human resource management in the South African health sector. To critically discuss the commonly cited key factors for successful building of a learning organisation, and challenges facing learning organisation change agents within the current health sector context.
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes.
A lecture note fee of R30-00 will be charged for this module.

Evaluation of Health Care Programmes
NURS342 H1 (24L-6T-12P-8S-42H-20R-20F-24G-4A-14W-16C)
Prerequisite: Registration as a professional nurse
Aim: Learners credited with this module are able to: conduct a systematic and comprehensive evaluation of health programmes aimed at improving the health of the people.
Content: Analyse and evaluate models of progammes evaluation with specific reference to their relevance for the South African health and social context. Plan and implement a locally driven evaluation of a health care programme. Conduct a comprehensive review of literature related to global and local policy and its influence on local health prolicies and programmes. Work with colleagues in the dissemination of research-based evaluation data to relevant audiences.
Assessment: Seminars, projects (individual and group) to promote writing presentation and interpersonal skills and group discussions on contextual variable affecting health care delivery.
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes.

Issues Related to HIV/AIDS
NURS343 HB

Fundamentals of HIV/AIDS
NURS344 HB

HIV/AIDS Care in Preg., Labour and Pueperium
NURS345 HB

HIV/AIDS Nursing Management
NURS346 HB

Psychiatric Nursing
NURS401 HC (72L-18T-36P-24S-112H-20R-120F-72G-6A-15W-48C)

Prerequisite: Nursing 301 and 302 and Physiology
Corequisite: NONE
Aim: To prepare students to assist clients and families with mental health problems.
Content: A study of problems of persons with psychiatric disorders and their families and community based on clinical examples. The pharmacological treatment and psycho-social rehabilitation will receive particular attention. The process of problem-solving will form the basis of course. A community based experience will be used to study the problems and management of families and communities, and the role of the community health nurse in address these problems in partnership with the community.
Practicals: Exposure to mental health care, mainly in community settings.
Assessment: 2 three-hour papers; two practical examinations, 2 problem-solving exams, 2 group projects, 2 individual projects.
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused.

Primary Health Care

NURS403 HW (0L-22T-0P-0S-24H-6R-94F-10G-4A-6W-16C)

Prerequisite: Nursing 301 and 302
Aim: To enable learners to manage health problems of individuals and families at Primary Health Care settings, and work with a multi-sectoral team in such settings.
Content: Primary Health Care philosophy and implementation. Maternal and Child health care, immunisation programmes, diagnosis and treatment of minor and common illnesses and the use of the Essential Drug list, nutritional status assessment, health education, occupational health.
Practicals: Practice in Primary Health Care clinics and visit occupational health settings.
Assessment: One 2 hour paper and one practical examination.
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused.

Midwifery

NURS405 HC (72L-18T-36P-24S-112H-20R-120F-72G-6A-15W-48C)

Prerequisite: Nursing 301 and 302 and Physiology.
Corequisite: NONE
Aim: To prepare students to care for a pregnant woman and her family during pregnancy, labour and the post-natal period.
Content: A study of normal and abnormal pregnancy, labour, puerperium and the neonate, based on case studies from clinical settings. Problems encountered will be analysed, drawing on biomedical and social sciences. Mastery of midwifery procedures needed in these areas will be expected. Professional practice will be studied in terms of ethical dilemmas, using ethical theory, and legal and professional guidelines. The history and current issues facing the profession will be analysed.
Practicals: Exposure to and practice in antenatal, labour, post-natal care and neonatal units.
Assessment: 1 three-hour paper; one practical examination, a problem-solving examination and a year mark
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused.

Nursing Management (Second Year)

NURS700 HY (0L-26T-0P-0S-108H-40R-104F-42G-0A-30W-32C)

Prerequisite: Registration as a nurse
Corequisite: NONE
Aim: To prepare first line nurse managers.
Content: The health service of South Africa and its management. Major organisational theories as applied to nursing management. The essence of nursing and quality assurance. Statutory and ethical basis of nursing in SA. Methods and techniques of management as applied to nursing management, especially human resource management. Planning and commissioning of health care facilities.

Practicals: Task assignments in management of health services
Assessment: 2 two-hour papers per module
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes.

Philosophy of Nursing

NURS701 H1 H2 (24L-6T-0P-8S-74H-20R-0F-24G-4A-13W-16C)
Prerequisite: NONE
Corequisite: NONE
Aim: To introduce students to the philosophy of the profession and the basics of the academic discipline.
Content: History, philosophy and theory of nursing, with special emphasis on the 19th and 20th centuries.
Practicals: NONE
Assessment: 1 three-hour paper.
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes.

Research Project

NURS703 HC (0L-10T-0P-10S-460H-0R-0F-0G-0A-13W-48C)
Prerequisite: NURS708
Corequisite: See Prerequisite
Aim: To develop beginning research skills.
Content: An approved project in the field of specialisation chosen by the student.
Practicals: NONE
Assessment: NONE
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes.

Nursing Education (First Year)

NURS704 HB (48L-12T-24P-16S-147H-20R-0F-48G-5A-0W-32C)
Prerequisite: Basic degree in nursing
Corequisite: NONE
Aim: To acquire knowledge and skills pertinent to teaching nurses and administration of a nursing college
Content: Administration of non-nursing support services. Philosophy and principles of nursing education. The development of the learner in nursing, and modern theories of cognition. Curriculum development. Teaching theories, methods and techniques. Classroom and clinical evaluation
Practicals: 8 hours clinical laboratory, 10 hours college administration
Assessment: One 3-hour paper
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes.

Specialised Nursing

NURS707 HC (2L-0T-40P-2S-66H-20R-0F-25G-5A-13W-16C)
Prerequisite: NONE
Corequisite: NONE
Aim: To allow students to study areas of specialisation in which no specific modules are available.
Content: The student can choose a specialisation area in nursing in consultation with the Head of the School.
Practicals: Placement in the specialisation area.
Assessment: 2 seminars and 2 papers, 1 examination paper. One course may be selected from post-graduate courses offered in other schools in the faculty, with the permission of the relevant Head of School.
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused.

Nursing Research
NURS708 H2 (24L-6T-12P-8S-62H-20R-0F-24G-4A-13W-16C)
Prerequisite: NONE
Corequisite: NONE
Aim: To prepare nurses to do research in the field.
Content: Principles and methods of social and nursing research, with special emphasis on recent trends.
Practicals: NONE
Assessment: 1 three-hour paper.
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes.

Nursing Education (Second Year)
NURS709 H2 (48L-12T-24P-16S-147H-20R-0F-48G-5A-0W-32C)
Prerequisite: Basic degree in Nursing
Corequisite: NONE
Aim: To acquire knowledge and skills pertinent to teaching nurses and administration of a nursing college.
Content: Administration of non-nursing support services. Philosophy and principles of nursing education. The development of the learner in nursing, and modern theories of cognition. Curriculum development. Teaching theories, methods and techniques. Classroom and clinical evaluation.
Practicals: 10 hours Practice teaching
Assessment: One 3-hour paper
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes.

Nursing Management (First Year)
NURS710 HY (0L-26T-0P-0S-108H-40R-104F-42G-0A-30W-32C)
Prerequisite: Registration as a nurse
Corequisite: NONE
Aim: To prepare first line nurse managers.
Content: The health service of South Africa and its management. Major organisational theories as applied to nursing management. The essence of nursing and quality assurance. Statutory and ethical basis of nursing in SA. Methods and techniques of management as applied to nursing management, especially human resource management. Planning and commissioning of health care facilities.
Practicals: Task assignments in management of health services
Assessment: 2 two-hour papers per module.
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes.

Introduction to HIV/AIDS
NURS711 H1 (24L-6T-12P-8S-22H-20R-40F-24G-4A-0W-16C)
Prerequisite: Must be a registered nurse.
Aim: To introduce post-graduate students to the disease HIV/AIDS, which is currently influencing the work-life of people in all fields and disciplines.
Content: To learn the implications of the methods of infection by the HI Virus for prevention and management of the disease. The epidemiology of the diseas in Africa will be analyzed and factors influencing it explored. The role and problems of HIV counselling and testing in the overall management of the epidemic is debated.
Practicals: Practical placement in HIV/AIDS services.
Assessment: 30% assignments, 5% test, 65% exam.
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused.

Psychiatric Nursing

NURS712 H1 (48L-12T-24P-16S-67H-20R-80F-48G-5A-0W-32C)

Prerequisite: NONE
Corequisite: NONE
Aim: To equip the nurse with basic mental health nursing competence.
Content: Psychiatric diseases and the nursing care of patients with these conditions, including mental retardation. Comprehensive psychiatric service: needs assessment, planning and evaluation.
Practicals: Assignments in community and primary health care settings.
Assessment: One three-hour paper.
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused.

Community Health Nursing

NURS720 HY (104L-0T-26P-0S-56H-0R-121F-13G-0A-30W-32C)

Prerequisite: NONE
Corequisite: NONE
Aim: To equip the nurse with basic competence in aggregate care.
Content: Environmental health care. Infectious diseases. Health care systems and primary health care. Epidemiology. Community assessment and health care planning.
Practicals: Assignments in community and primary health care settings.
Assessment: One three-hour paper.
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused.

Advanced Midwifery Skills

NURS801 H2 (24L-6T-12P-8S-22H-20R-40F-24G-4A-13W-16C)

Prerequisite: Midwifery
Corequisite: NONE
Aim: To prepare midwives who can render appropriate care in the absence of an obstetrician to ensure safety of mother and baby
Content: This course deals with specialist skills involved in the management of high-risk pregnancy, labour, postpartum and neonatal clients. It also covers transport of such clients and support skills, and deals with maternal health in general and with factors that impact maternal health. Course to run in an even year.
Practicals: The comprehensive care of high risk clients of different categories in a midwifery setting.
Assessment: One three-hour paper. one practical examination in November
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused.

Applied Critical Care Nursing

NURS802 H1 H2 (24L-6T-12P-8S-22H-20R-40F-24G-4A-13W-16C)

Prerequisite: NURS815
Corequisite: NONE
Aim: To prepare clinical nurse specialists in critical care nursing. Evaluation: One 3 -hour paper and one project.
Content: In this course the theoretical framework for critical care is applied to clients across all of life and with problems in all physiological systems. Course to run in an odd year.
Practicals: This includes the comprehensive nursing care of at least 12 clients in critical care settings with problems across all physiological systems e.g. neurosurgery, neurology, pulmonology, general surgery including relevant paediatrics
Assessment: One three-hour paper. one practical examination.
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused.

Advanced Psychiatric Skills
NURS803 H1 (27L-0T-12P-27S-28H-10R-47F-5G-4A-13W-16C)
Prerequisite: Registration as a psychiatric nurse.
Corequisite: NONE
Aim: To equip the nurse with advanced assessment and therapeutic competencies.
Content: Family dynamics and family therapy models and theories. Group dynamics and group therapy approaches. Individual counseling models and techniques. The use of family therapy, group therapy and individual counseling in the prevention and treatment of psychiatric illness.
Practicals: This includes either the treatment or the management and rehabilitation of at least 6 psychiatric patients of different categories. Course to run in an even year
Assessment: 1 three-hour paper, 1 practical exam at end of the second semester
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused.

Child and Adolescent Health
NURS804 H2 (24L-6T-12P-8S-22H-20R-40F-24G-4A-13W-16C)
Prerequisite: Midwifery
Corequisite: NONE
Aim: To prepare a clinician who is able to assess, diagnose and manage child and adolescent problems
Content: This course follows the physical and psychological development of children from six weeks to eighteen years of age. A study is made of common physical and psychological ailments that the clinical specialist will encounter in practice, the focus being on the development of skills to ensure diagnosis, management, referral and rehabilitation. At all times the focus will be on holistic care. The course also looks at trends in child and adolescent health Africa, as well as the rest of the worlds. in doing so, factors or issues that impinge on health of children and adolescents will be studied.
Practicals: Paediatric units and relevant primary health care clinics
Assessment: One 3-hour paper and one clinical examination.
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused.

Commun and Problem-based Education
NURS805 HV (21L-0T-12P-21S-38H-20R-30F-14G-4A-13W-16C)
Prerequisite: NONE
Corequisite: NONE
Aim: To prepare educators to develop and implement CBE and PBL.
Content: The theoretical basis for Community-Based and Problem-Based education for healthcare professionals is explored, and the practical implementation of such programmes analysed.
Practicals: Observation of both types of teaching/learning.
Assessment: 1 three-hour paper and two projects.
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes.

Community Health Nursing
NURS806 H1 H2 (24L-6T-12P-8S-22H-20R-40F-24G-4A-13W-16C)
Prerequisite: NONE
Corequisite: NONE
Aim: To introduce the nurse to the theoretical and practical outline of the field.
Content: This course explores the theoretical basis of primary health care and community health care, and the context of such health care. Aggregate health programme management and participative research is dealt with and health policy and legislation addressed. Course to run in an even year.
Practicals: This includes assessment planning and implementation of different health related aspects in CHN settings.
Assessment: Two three-hour papers. one practical examination
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused.

Comparative Health Systems
NURS807 H1 (24L-6T-12P-8S-50H-20R-12F-24G-4A-13W-16C)
Prerequisite: NONE
Corequisite: NONE
Aim: To analyse health systems (structures and processes) by comparing policies and practices in different countries.
Content: Comparison of health care systems, development of policies internationally and nationally. Issues in international health, eg PHC , health promotion.
Practicals: NONE
Assessment: 2 projects, 1 three-hour paper.
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes.

Evaluation of Health Care Systems
NURS808 H1 H2 (13L-0T-0P-14S-28H-0R-90F-10G-5A-13W-16C)
Prerequisite: NONE
Corequisite: NONE
Aim: To prepare health service managers in all aspects of evaluation: programmes, services, action plans, policies and staff. Models of evaluation, the use of evaluation in management, quality assurance.
Content: NONE
Practicals: Four practical projects on different aspects of evaluation.
Assessment: 4 projects, 1 three-hour paper.
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes.

Cognitive Behaviour Therapy Skills
NURS809 H1 (24L-6T-12P-8S-38H-20R-24F-24G-4A-13W-16C)
Prerequisite: NURS833 and NURS835
Corequisite: NONE
Aim: To equip psychiatric nurse specialists with counselling skills using the CBT approach.
Content: This module deals with the basic theory of cognitive and behaviour therapy, and deals with its application to therapy for clients with anxiety and mood disorders. It teaches assessment for therapy, initiating therapy, maintenance and termination. The ethical aspects of therapy are also covered.
Practicals: This includes witnessing therapy, and doing supervised therapy.
Assessment: one three-hour paper. one practical examination.
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused.

Education Administration
NURS811 H2 (24L-6T-0P-8S-62H-20R-12F-24G-4A-14W-16C)
Prerequisite: NONE
Corequisite: NONE
Aim: To prepare educators in the health professions for 1st level management in educational institutions such as nursing colleges & university nursing departments.
Content: Models of academic governance, theories of administration, organisational climate,Organisational culture, motivation, leadership, organisational change and organisational
Practicals: conflict (with specific reference to academic institutions.
Assessment: 1 test, 1 assignment, 1 four-hour paper
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes.

Epidemiology
NURS813 H1 (13L-0T-12P-14S-28H-20R-63F-6G-4A-13W-16C)
Prerequisite: NURS806
Corequisite: See Prerequisite.
Aim: To equip the nurse with advanced epidemiological research skills.
Content: Major epidemiological concepts; Epidemiological and biostatistical methods; Sources, nature and computation of epidemiological data; assess epidemiological techniques in own are of study; Conduct an epidemiological study in own area of interest; Develop ability to write scientific study protocol. Course to run in an odd year
Practicals: Epidemiological surveys and analyses
Assessment: One three-hour paper
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused.

Psychiatric Programme Management
NURS814 H1 H2 (24L-6T-12P-8S-22H-20R-40F-24G-4A-13W-16C)
Prerequisite: NURS833 and NURS835
Corequisite: NONE
Aim: To enable the student to master the process of programme management.
Content: This course deals with theoretically based planning, implementation and evaluation of programmes for individuals or groups with psychiatric problems.
Practicals: This includes the planning and implementation of an aggregate plan and 6 individual plans. Course to run in an even year
Assessment: One three-hour paper. One practical examination
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused.

Essentials of Critical Care Nursing
NURS815 H1 H2 (24L-6T-12P-8S-22H-20R-40F-24G-4A-13W-16C)
Prerequisite: General nurse, working in ICU, ICU experience
Corequisite: NONE
Aim: To prepare clinical nurse specialists in critical care nursing
Content: This course deals with the conceptual framework for critical care and trauma nursing and the core concepts dealt with in this field. It explores the context within which this care given. The critical nursing care of clients with problems in two systems across all life stages. Course to run in an odd year.
Practicals: This includes the Comprehensive nursing care of at least 6 clients in critical care settings, with cardiac and respiratory problems e.g. cardiothoracic, pulmonology, anaesthetics,
Assessment: One 3-hour paper, 1 practical exam
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused.

Qualitative Research
NURS816 H1 H2 (24L-6T-0P-8S-74H-20R-0F-24G-4A-26W-16C)
Prerequisite: NONE
Corequisite: NONE
Aim: To guide students into a deeper understanding of qualitative research.
Content: This is a mixed mode module, which relies heavily on materials studied by the Student it is a faculty module, selfdirected as well as computer supported learning.It leads the student through the process of qualitative research, addressing different types of qualitative research sampling, data collection and analysis, and report writing. It also deals with philosophical underpinnings and ethical issues.
Practicals: NONE
Assessment: Ten units to be completed and handed in, as well as one project.
DP Requirement: Please contact the course co-ordinator in February. Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes, save those from which they have been officially excused.

Family Therapy
NURS817 H1 (27L-0T-12P-27S-28H-20R-38F-4G-4A-13W-16C)
Prerequisite: NONE
Corequisite: NONE
Aim: To equip nurses with beginning competency in assessing families and family counselling
Content: Family dynamics, applied to different nursing areas. Different approaches to family therapy, with the emphasis on practice of one approach.
Practicals: Family assessments and counselling sessions.
Assessment: 2 projects, 1 three-hour paper.
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused.

HIV/AIDS Prevention and Management
NURS818 H1 (24L-6T-12P-8S-22H-20R-40F-24G-4A-13W-16C)
Prerequisite: None
Corequisite: None
Aim: To introduce HIV/ AIDS prevention and management to students
Content: Deals with the HI virus, the pathophysiology, the method of spread as well as prevention efforts. Also covers issues around testing for HIV, classification and management of people with different stages of HIV/ AIDS. Legal and psychosocial issues are also explored.
Practicals: At least three days or 24 hours of practica in a health care setting working with people living with HIV/AIDS. The setting should be chosen in order to supplement the experience the student already has. During this placement students are expected to complete a case study.
Assessment: Assignments for 30% and tests for 5%.Together this is 35% of the final mark. One written examination which counts 65% completes the assessment.
DP Requirement: Rule NURS4 (b) shall apply- candidates must attend at least 75% of all classes, save for those that they have been officially excused.

Fundamentals of Education
NURS819 H1 (0L-0T-0P-0S-100H-16R-0F-38G-6A-14W-16C)
Prerequisite: NONE
Corequisite: NONE
Aim: To equip educators in the health professions with knowledge and skills pertinent to creating and maintaining a learning-centred environment in the classroom and clinical teaching/learning settings.
Content: Learning theories: behavioural, cognitive, social and transformative learning theories, adult development and its implications for teaching and learning, motivation and self-regulation in learning, managing diversity in the classroom, co-operative learning.
Practicals: NONE
Assessment: 1 test, 1 assignment, 1 four-hour paper
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused.

Primary Care
NURS821 H1 H2 (24L-6T-12P-8S-22H-20R-40F-24G-4A-13W-16C)
Prerequisite: NURS806
Corequisite: NONE
Aim: To prepare the nurse with assessment, diagnostic and treatment skills for practicing in a PHC setting.
Content: This course runs with comprehensive management of minor and common medical and surgical conditions across the lifespan in PHC settings. Family planning and STD management will also be covered. Course to run in an even year

Practicals: This includes assessment, diagnosis and treatment of at different categories.
Assessment: one three-hour. One practical examination
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused.

Advanced Practice Nurse Role

NURS822 H2 (24L-6T-0P-8S-74H-20R-0F-24G-4A-13W-16C)
Prerequisite: NONE
Corequisite: NONE
Aim: To explore the factors impacting on the role of an advance nurse practitioner in the S A context, to enable specialist nurses to structure and fulfil their roles satisfactorily
Content: The module deals with specific role aspects such as consultation, administration, and education. It also deals with the historical, health service, socio-economic and societal context of such roles in this country.
Practicals: Individual projects.
Assessment: Individual projects and one three-hour paper.
DP Requirement: Rule NURS4 (b) shall apply –candidates must attend at least 75% of all classes, save those from which they have been officially excused.

Progressive Educa for Health Professionals 1

NURS823 H1 (36L-9T-18P-12S-104H-20R-0F-36G-5A-14W-24C)
Prerequisite: Fundamental Education
Corequisite: NONE
Aim: To prepare health professionals' educators who are able to (a) appreciate the importance of educational philosophy in health professionals' teacher education programmes (b) critically analyse various conceptions concerning education, (c) critically analyse value orientations influencing curriculum decisions with specific reference to implications for designing curriculum in the health professions.
Content: Philosophical Foundations of Education: conservative views of education, progressive education, romantic and radical visions of education, health professionals education in the modern era, health professionals education in the post-modern era, content and process education, outcomes-based and product-based education in the health professions.
Practicals: NONE
Assessment: 1 test, 2 assignments, 1 personal and academic development portfolio, 1 four-hour exam.
DP Requirement: Rule NURS4 (b) shall apply -candidates must attend at least 75% of all classes, save those from which they have been officially excused.

Progressive Educ for Health Professionals 2

NURS824 H2 (36L-9T-18P-12S-104H-20R-0F-36G-5A-14W-24C)
Prerequisite: Progressive Education for Health Professionals 1
Corequisite: NONE
Aim: To prepare educators in the health professions who are able to (a) design, implement, and evaluate case and/or problem based and community-based learning programmes, (b) ensure relevance in designing educational programmes, while taking into account the recommendations of international organizations such as the WHO and the ICN and (c) understand the significance professional regulation and quality assurance in professional education.
Content: International organizations and the education of health professionals, national policy and the education of health professionals, experiential education (theoretical underpinnings and selected approaches CBE, PBL, and service learning: reflective teaching practice, assessment and evaluation in professional education, accreditation and quality assurance in professional education.
Practicals: Facilitating learning in (a) PBL groups and case based learning groups (b) community settings and (c) the self-study clinical skills laboratory.
Assessment: Reflective Teaching Practice Record, 1 assignment, 1 project, 1 four-hour examination.
DP Requirement: Rule NURS4 (b) shall apply -candidates must attend at least 75% of all classes, save those from which they have been officially excused.

Trauma Nursing and Life Support

NURS825 H1 (24L-6T-12P-8S-22H-20R-40F-24G-4A-15W-16C)

Prerequisite: Advanced cardiac life support / Advanced paediatric life support
Corequisite: NONE
Aim: To prepare a trauma nurse specialist
Content: This course deals with the anatomy, physiology and pathophysiology underlying trauma and emergency interventions. Emergency assessment and triage. Life support in cases of emergency care, as well as, during transport of critically ill persons will be studied, including the scientific principles underlying the problems and interventions.
Practicals: Emergency nursing care of the client in the pre-hospital and hospital setting.
Assessment: 1 three-hour paper. One practical examination.
DP Requirement: Rule NURS4 (b) shall apply -candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused.

Women's Health

NURS827 H1 (24L-6T-12P-8S-22H-20R-40F-24G-4A-13W-16C)

Prerequisite: Midwifery
Corequisite: NONE
Aim: To prepare a clinician who can be an activist for women's issues
Content: This course deals with sexuality, male/female roles and women's issues which impinge on health. The empowerment of women is studied and empowerment programmes planned and implemented.
Practicals: The planning and implementation of an empowerment programme for women. Course to run in an even year.
Assessment: One three-hour paper and a clinical examination.
DP Requirement: Rule NURS4 (b) shall apply -candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused.

Nursing Research and Nursing Research Methods

NURS831 H2 (24L-6T-0P-8S-74H-20R-0F-24G-4A-13W-16C)

Prerequisite: NONE
Corequisite: NONE
Aim: To enable learners develop research skills that are appropriate to nursing and nursing related field.
Content: This module deals with identifying and describing researches that are specific to nursing. It looks at theories and theory development in nursing. Identifies current issues in nursing research, discusses and describes methodologies appropriate for nursing researches grouped according to reasons for conducting nursing research. It deals with aspects of proposal writing, writing for scholarly journals and managing resources for nursing research. This module requires that the learner attends all graduate research seminars in the School, and the candidate must organise and present at least one seminar during the semester.
Practicals: NONE
Assessment: One presented seminar, 2 assignments and one 3-hour paper
DP Requirement: Rule NURS4 (b) shall apply --candidates must attend at least 75% of all classes, save those from which they have been officially excused.

Introduction to Cognitive Behaviour Theraph

NURS833 H2 (24L-6T-12P-8S-22H-20R-40F-24G-4A-13W-16C)

Prerequisite: None
Aim: To equip psychiatric nurse specialists with counselling skills using the CBT approach.
Content: This module deals with the basic theory of cognitive and behaviour therapy, and deals with its application to therapy for clients with anxiety and mood disorders. It teaches assessment for therapy, initiating therapy, maintenance and termination. The ethical aspects of therapy are also covered.

Practicals: This includes witnessing therapy, and doing supervised therapy.
Assessment: One three-hour paper and one practical examination.
DP Requirement: Rule NURS4 (b) shall apply -candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused.

Psychosocial rehabilitation
NURS835 H1 (24L-6T-12P-8S-22H-20R-40F-24G-4A-13W-16C)
Prerequisite: NONE
Corequisite: NONE
Aim: To equip psychiatric nurse specialists with the knowledge and skills to facilitate the rehabilitation of people with serious and sustained mental illness.
Content: This module deals with theories of psychosocial rehabilitation and all four aspects of this process (housing, education, socialization and work). Issues such as deinstitutionalization are also dealt with, and the process of psychosocial rehabilitation counselling is taught.
Practicals: This includes witnessing PSR counselling, and dong supervised counselling.
Assessment: One three-hour paper and one practical examination.
DP Requirement: Rule NURS4 (b) shall apply--candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused.

Theoretical Basis for Gerontological Nursing
NURS841 HB

The Care of Aging Clients
NURS842 HB

Assessment of the Geriatric Client
NURS843 HB

Pharmacology

Offered in the School of Pharmacy & Pharmacology

Pharmacology I
PHRM202 W2 (48L-36T-0P-0S-44H-30R-0F-0G-2A-15W-16C)
Corequisite: HPHS221W1, ANAT101W1
Aim: To provide learners with an understanding of basic terms and principles of pharmacology with special reference to pharmacodynamics and pharmacokinetics.
Content: Pharmacodynamics: Drug receptors and receptor theories, agonists, antagonists; neurotransmitters and modulators; Therapeutic Index. Autonomic nervous system: Basic concepts. Autonomic Nervous System (sympathetic and parasympathetic nervous systems). Introductory Pharmacokinetics: Introduction to drug absorption, distribution, metabolism and elimination. Drug Bioavailability, Volume of Distribution, Half-Life (t½), Kinetics of drug metabolism, etc.
Assessment: Formative: 60% of the average of 2tests + 40% of the tutorial tests. Summative: 1x 2-hour paper60% of average of 2 tests + 40% of average of tutorial tests. Final Mark = 60% of Examination Mark + 40% of DP A 40% subminimum rule will apply.
DP Requirement: As per faculty rules.
A lecture note fee of R100-00 will be charged for this module.

Neuropharmacology and autocoid pharmacology

PHRM301 W1 (48L-36T-0P-0S-44H-30R-0F-0G-2A-13W-16C)

Prerequisite: PHRM202W2

Aim: To provide learners with an understanding of basic principles of Central Nervous System (CNS) pharmacology, mechanisms and sequential effects of drugs acting centrally; the rational management of certain CNS disorders; and to provide an understanding on the pharmacology of drugs affecting mediators of inflammation.

Content: Autocoid pharmacology, with special reference to histamine, serotonin, prostaglandins, leukotrienes, thromboxanes, kinins and vasoactive peptides. Treatment of pain, gout and other inflammatory conditions with specific reference to non-steroidal anti-inflammatory drugs (NSAIDs), opioids, alcohols, general and local anaesthetics. Immunopharmacology. Central Nervous System (CNS) pharmacology with specific reference to neurodegenerative disorders, antipsychotic drug therapy, affective disorders, management of epilepsy, and treatment of headache and migraine.

Assessment: 60% of average of 2 tests + 40% of average of tutorial tests. Final Mark = 60% Exam Mark + 40%DP A 40% subminimum rule will apply.

DP Requirement: As per faculty rules.

A lecture note fee of R100-00 will be charged for this module.

Chemotherapy, Therapeutic Drug Monitoring, To

PHRM302 W2 (48L-36T-0P-0S-44H-30R-0F-0G-2A-13W-16C)

Prerequisite: PHRM202W2

Corequisite: PHRM301W1

Aim: To provide learners with an understanding of basic principles of chemotherapy, i.e., the mechanisms by which anti-infective drugs act in the management and treatment of infectious diseases. Therapeutic Drug Monitoring (TDM) will enable learners to understand the kinetics of various drug classes, thus enabling them to easily interpret drug-blood levels which are valuable during the implementation of dosage adjustments. Toxicology will enable learners to understand and address toxic chemicals and basic drug overdosage scenarios.

Content: The pharmacology of antimicrobial agents with specific reference to antibacterial, antifungal and antiviral drugs. Clinical chemistry, TDM, and toxicology.

Assessment: 60% of average of 2 tests + 40% of average of tutorial tests. Final Mark = 60% Exam Mark + 40%DP A 40% subminimum rule will apply.

DP Requirement: As per faculty rules.

A lecture note fee of R100-00 will be charged for this module.

Systemic clinical pharmacology I

PHRM401 W1 (48L-0T-0P-39S-16H-11R-44F-0G-2A-15W-16C)

Prerequisite: PHRM202W2, PHRM301W1, PHRM302W2

Aim: To provide learners with clinical pharmacological concepts used in the diagnosis, prevention, treatment and management of diseases.

Content: Treatment and/or management of the following pathological disorders: GIT: Peptic ulcer disease, Gastro-Oesophageal Reflux Disease (GORD), Inflammatory Bowel Disease (IBD), Irritable Bowel Syndrome (IBS), Diarrhoea, Constipation, Hepato-billiary diseases, Nausea and Vomiting. Respiratory System: Bronchial asthma, Chronic Obstructive Pulmonary Disease (COPD) and other respiratory disorders, including cough, pneumonia, congestion, rhinitis. Endocrine System: Growth hormone, anti-diuretic hormone, osteoporosis, infertility (gonadal hormones, contraception, erectile dysfunction, hormone replacement therapy). Anti-protozoals and Anthelmintics: Anti-infective drugs for malaria, amoebiasis, intestinal helminths, trypanosomiasis, schistosomiasis. Anti-neoplastics: Principles of cancer chemotherapy, cancer cell cycle kinetics, anti-metabolites, alkylating agents, antibiotics, microtubule inhibitors, steroid hormone antagonists, monoclonal antibodies.

Assessment: 60% of average of 2 tests + 40% of ward-round presentation marks. Final Mark = 60% Exam Mark + 40%DP A 40% subminimum rule will apply.

DP Requirement: As per faculty rules.

A lecture note fee of R100-00 will be charged for this module. A transportation fee of R80-00 will be charged for this module.

Systemic clinical pharmacology II
PHRM402 W2 (48L-0T-0P-39S-16H-11R-44F-0G-2A-15W-16C)
Prerequisite: PHRM202W2, PHRM301W1, PHRM302W2
Corequisite: PHRM401W1
Aim: To provide learners with clinical pharmacological concepts used in the diagnosis, prevention, treatment and management of diseases.
Content: Treatment and/or management of the following pathological disorders: Cardiovascular system: Myocardial infarction (MI), congestive heart failure (CHF), renin-angiotensin system and hypertension. Cardiac arrythmias, angina pectoris, blood disorders (thrombosis, haemophilia and anaemia), vitamins and vitamin supplements. Diabetes mellitus: Hyperlipidemia, diuresis, insulin and regulation of blood glucose, obesity. Endocrine System: Hormones of the pituitary and thyroid glands (growth hormones, gonadotropins and osteoporosis, hypothyroidism); adrenocorticosteroid hormones (glucocorticoids, mineralocorticoids)
Assessment: 60% of average of 2 tests + 40% of ward-round presentation marks. Final Mark = 60% Exam Mark + 40%DP A 40% subminimum rule will apply.
DP Requirement: As per faculty rules.
A lecture note fee of R100-00 will be charged for this module. A transportation fee of R80-00 will be charged for this module.

Pharmacy

Offered in the School of Pharmacy & Pharmacology

Medicinal Chemistry 1
PHRM211 W1 (21L-12T-6P-0S-18H-20R-0F-0G-3A-7W-8C)
Prerequisite: Chemistry for Health Sciences - CHEM142
Corequisite: Pharmaceutical Chemistry - PHRM213
Aim: To introduce students to concepts in drug design, the stereochemistry of drugs and drug targets and the functional classes that are important in medicinal compounds
Content: Review of historical and modern medicinal chemistry, Introduction to drug design, molecular modification, molecular modelling and quantitative structure activity relationships, The three dimensional structure of drugs and drug targets, The physico-chemical properties of the functional classes that are important in medicinal compounds with respect to their biological activities as well as to their in vitro and in vivo stabilities.
Practicals: Practicals:2(Practical reports form part of the formative assessment). Tutorials: 4 The course test is held in one of the tutorial periods
Assessment: Formative: 70% of the test mark + 30% of the average of the practical marks. Summative: 1 x 2-hour paper (Final mark = 60% of exam mark + 40% of the formative assessment mark)
DP Requirement: A student must obtain a CAM of ≥40%. There must be a 100% attendance for all fieldwork, tutorial classes, practical classes, ward rounds and externship visits except where the Head of School /Programme Co-ordinator/Module lecturer has specifically e
A laboratory fee is payable for this module. A lecture note fee of R80-00 will be charged for this module.

Medicinal Chemistry 2
PHRM212 W2 (21L-0T-18P-0S-18H-20R-0F-0G-3A-7W-8C)
Prerequisite: Students are expected to have attempted PHRM213 & PHRM211
Aim: To enable the student to understand the chemistry of functional classes and heterocyclic compounds that are important in medicinal compounds and pharmaceutically relevant biomolecules.
Content: The physico-chemical properties of the functional classes and heterocyclic compounds that are important in medicinal compounds with respect to their biological activities as well as to their in vitro and in vivo stabilities and the stability, properties and functions of pharmaceutically relevant biomolecules

Practicals: 6 practicals. The course test is held during one practical session. All students are required to submit individual practical reports even though they may work in pairs/groups in the laboratory.
Assessment: Formative: 70% of the test mark + 30% of the average of the practical marks. Summative: 1 x 2-hour paper (Final mark = 60% of exam mark + 40% of the formative assessment mark)
DP Requirement: A student must obtain a CAM of ≥40%. There must be a 100% attendance for all fieldwork, tutorial classes, practical classes, ward rounds and externship visits except where the Head of School /Programme Co-ordinator/Module lecturer has specifically e
A laboratory fee is payable for this module. A lecture note fee of R50-00 will be charged for this module.

Pharmaceutical chemistry

PHRM213 W1 (21L-3T-15P-0S-19H-20R-0F-0G-2A-6.5W-8C)
Prerequisite: CHEM142, PHYS131, MATH133
Aim: A basic introduction for pharmacy students – covering the principles of pharmaceutical chemistry which underpin the study of pharmacology, drug formulation and drug design.
Content: Acid – base properties of drug substances, ionisation, partition coefficient and biopharmacy, introduction to drug kinetics and stability, drug purity.
Practicals: 5 (Practical reports form part of the formative assessment).
Assessment: Final mark = 60 % of exam mark + 40 % of formative assessment A 40% subminimum rule will apply
DP Requirement: A student must obtain a CAM of > 40% and 100% attendance for all fieldwork, tutorial classes, practical classes, ward rounds and externship visits except where the Head of School has specifically excused the student from a particular session.
A lecture note fee of R50-00 will be charged for this module.

Pharmaceutical Analysis 1

PHRM214 W2 (21L-3T-15P-0S-19H-20R-0F-0G-2A-6.5W-8C)
Prerequisite: CHEM142W1, PHYS131W1, MATH133W1
Aim: Students should be able to demonstrate knowledge and competency in the basic techniques used in pharmaceutical analysis.
Content: Control of the quality of analytical methods. Introduction to drug analysis in accordance with standards and requirements of the official compendia, using prescribed analytical methods: titrimetric and chemical analytical methods, refractometry, polarimetry, introduction to spectroscopic methods.
Practicals: 5 practicals (reports form part of the formative assessment)
Assessment: 70 % of test + 30 % of practical marks Final mark = 60 % of exam mark + 40 % of formative assessment A 40% subminimum rule will apply
DP Requirement: A student must obtain a CAM of > 40% and 100% attendance for all fieldwork, tutorial classes, practical classes, ward rounds and externship visits except where the Head of School has specifically excused the student from a particular session.
A lecture note fee of R50-00 will be charged for this module.

Physical Pharmacy

PHRM221 W1 (17L-3T-15P-0S-22H-21R-0F-0G-2A-6.5W-8C)
Prerequisite: CHEM142W1, PHYS131W1, MATH133W1
Aim: To provide a physicochemical background (quantitative and theoretical) to the formulation, manufacture and evaluation of pharmaceutical dosage forms.
Content: States of Matter, Diffusion and Dissolution, Disperse Systems, Unit Processes, Interfacial Phenomena, Rheology
Practicals: 5 x 3 Hours Practicals (Practical reports form part of the formative assessment) 1.Determination of the surface tension of a liquid by means of a tensiometer and to determine the critical micelle concentration of a given surfactant 2. Detemination of the optimal HLB value for the oil phase of an emulsion 3. Comparison of the in vitro drug release profiles of a controlled release and a conventional release tablet preparation 4. Determination of the viscosity of a viscous liquid using Stokes Method (falling sphere method) 5.Determination of the rate of filtration of a suspension

Assessment: 70% of the test+30% of average of Practical Reports Final Mark = 60% Exam Mark + 40%CAM A 40% subminimum rule will apply.
DP Requirement: A student must obtain a CAM of > 40%. There must be 100% attendance for all fieldwork, tutorial classes, practical classes, ward rounds and externship visits except where the Head of School has specifically excused the student from a particular session.
A lecture note fee of R50-00 will be charged for this module.

Pharmaceutical Technology

PHRM222 W2 (35L-5T-30P-0S-58H-30R-0F-0G-2A-13W-16C)

Prerequisite: Students are expected to have attempted PHRM221W1
Aim: To provide an understanding of principles involved in the design, manufacture and evaluation of pharmaceutical dosage forms.
Content: Dosage form design. Solutions, Suspensions, Emulsions, Powders and Granules, Tablets, Capsules, Aerosols, Topical preparations, Suppositories and Pessaries.
Practicals: 10 x 3 Hours Practicals (Practical reports form part of the formative assessment) 1. Preparation and evaluation of tablets by the direct compression method and by wet granulation. 2. Preparation of the following creams: aqueous, cold, dimethicone, zinc, borax, coal tar and salicylic acid ointment 3. Preparation of the following emulsions: acacia, white liniment, calamine lotion, benzyl benzoate application 4. Preparation of starch enema 5. Preparation of gelatine supps 6. Preparation of magnesium sulphate paste 7. Preparation of chloroxylenol solution, magnesium hydroxide mixture
Assessment: 70% of the average of 2 tests+30% of average of Practical Reports Final Mark = 60% Exam Mark + 40%CAM A 40% subminimum rule will apply.
DP Requirement: A student must obtain a CAM of > 40%. There must be 100% attendance for all fieldwork, tutorial classes, practical classes, ward rounds and externship visits except where the Head of School has specifically excused the student from a particular session.
A lecture note fee of R100-00 will be charged for this module. A transportation fee of R35-00 will be charged for this module.

Introduction to Pathology

PHRM232 W2 (21L-15T-0P-0S-17H-20R-4F-0G-3A-7W-8C)

Prerequisite: CHEM142W1, PHYS131W1, BIOL103W1
Corequisite: ANAT101W1, HPHS221W1, HPHS222W2
Aim: Providing the student with a good all round grounding of pathophysiology incorporating microbiology and biochemistry so as to be able to understand diagnoses, laboratory results and other clinical jargon in order to understand pharmacotherapy of the variety of conditions that they may encounter in practice in all fields of pharmacy.
Content: The process of history taking and demonstrate a systematic application of that process; Major pathological processes in man:; Inflammation (Infection; Immunological mediated processes; Physical trauma, toxins and radiation) Degeneration (Ischaemia) Neoplasia Inherited pathologies Pathological basis and symptomatology of the listed common conditions in each of the following major systems:; Cardiovascular (Hypertension; Cardiac Failure) Renal (Fluid and electrolyte imbalances; Renal failure) Respiratory (Pneumonia; Asthma and chronic obstructive airways disease) Gastro-intestinal and Liver (Hepatitis; Ulcers) Central Nervous System (Epilepsy; Headache) Musculoskeletal and connective tissue (Arthritis; Pain) Endocrine (Diabetes) Integrate anatomy and physiology principles with pathology;Basic examination skills
Practicals: Fieldtrips: 1 x 3hr visit to a medical ward
Assessment: 2 x 40 min tests 1 x 2 hour paper A 40% subminimum rule will apply.
DP Requirement: A student must obtain a CAM of > 40%. A student must obtain 100% attendance for all fieldwork, tutorial classes, practical classes, ward rounds and externship visits except where the Head of School has specifically excused the student from a particular se
A transportation fee of R25-00 will be charged for this module.

Pharmaceutical Calculations I

PHRM241 W1 (21L-15T-0P-0S-19H-21R-0F-0G-4A-7W-8C)

Prerequisite: CHEM142W1, MATH133W1, PHYS131W1

Corequisite: PHRM213W1

Aim: To train students in calculations based on the fundamental laws of pharmaceutical chemistry

Content: Pharmaceutical calculations based on the fundamental laws of chemistry, Methods of expressing concentration, Calculations involving the mixing of liquids and semi-solids, Dosage calculations and Volume, density, specific gravity and percentage calculations.

Assessment: 70% of the test mark + 30% of the average of the tutorial marks 1 x 2 hour paper (Final mark = 60% of exam mark + 40% of the formative assessment mark) A 40% sub minimum rule shall apply

DP Requirement: A student must obtain a CAM of ÿ40%. There must be a 100% attendance for all fieldwork, tutorial classes, practical classes, ward rounds and externship visits except where the Head of School /Programme Co-ordinator/Module lecturer has specifically excuse

A lecture note fee of R70-00 will be charged for this module.

Medicinal Chemistry 3

PHRM311 W1 (35L-5T-30P-0S-57H-30R-0F-0G-3A-13W-16C)

Prerequisite: PHRM213W1, PHRM211W1, PHRM212W2

Corequisite: PHRM313

Aim: To provide an understanding of the design and development of drugs.

Content: Development of enzyme inhibitors as drugs, antiviral drugs, biotechnology, analytical chemistry in drug development, principles of drug design and discovery, drug development and clinical trials

Practicals: 12x approximately 3hour practicals The practical will take the format of miniprojects entailing literature studies and computational chemistry Technical staff: Ms U Govinden, Mr S Chonco All students are required to submit individual practical reports though they work in groups in the laboratory

Assessment: 70% of the average of 2 tests + 30% of the practical mark 60% of 1x3-hour paper + 40% of formative assessment A 40% subminimum rule will apply

DP Requirement: A student must obtain a CAM of >/ 40%. There must be 100% attendance for all fieldwork, tutorial classes, practical classes, ward rounds and externship visits except where the Head of School has specifically excused the student from a particular session.

A lecture note fee of R50-00 will be charged for this module.

Pharmaceutical Analysis II

PHRM313 W1 (24L-0T-15P-0S-15H-20R-0F-0G-6A-7W-8C)

Prerequisite: PHRM213, PHRM214, PHRM241

Corequisite: PHRM311

Aim: To train undergraduate pharmaceutical science students in the techniques used in the analysis of pharmaceuticals, particularly chromatographic techniques.

Content: Drug analysis in accordance with the standards and requirements of the official compendia, using prescribed analytical methods: Chromatography (HPLC, GC, TLC), Infra-red spectroscopy, NMR, Mass spectrometry, Capillary Electrophoresis, Extraction Methods in Pharmaceutical Analysis

Practicals: 5 (Practical reports form part of the formative assessment). Tutorials: 1

Assessment: Formative: 65% of test + 25% of the practical marks + 10% of assignment. Summative: 1x 2-hour paper (final mark = 60% of exam mark + 40% of formative assessment). 1 assignment included in formative assessment.

DP Requirement:

A laboratory fee is payable for this module. A lecture note fee of R50-00 will be charged for this module.

Applied Clinical Chemistry

PHRM314 W2 (21L-18T-0P-0S-16H-20R-0F-0G-5A-7W-8C)

Prerequisite: PHRM211W1, PHRM212W2, HPHS221W1, HPHS222W2, Students are expected to have attempted PHRM311W1

Aim: To enable the student to understand the different biochemical processes that occur in the human body and their interrelationships in the normal state and in the disease state and to understand the biochemical changes that occur with the use of selected medicinal compounds.

Content: A review of pharmaceutically pertinent clinical correlations integrating the chemistry of medicinal compounds with abnormal biochemical processes. The module encompasses a review of Chemistry, a review of Bio molecules, Enzymes, Vitamins and Co-enzymes, Carbohydrate, Lipid and Protein Biochemistry, Bioenergetics and Acid-Base Biochemistry
Assessment: 70% of the test mark [open book]+ 30% of the average of the tutorial marks. 1 x 3 hour paper [open book] (Final mark = 60% of exam mark + 40% of the formative assessment mark) A 40% sub minimum rule will apply
DP Requirement: A student must obtain a CAM of 40%. There must be a 100% attendance for all fieldwork, tutorial classes, practical classes, ward rounds and externship visits except where the Head of School /Programme Co-ordinator/Module lecturer has specifically excu
A lecture note fee of R75-00 will be charged for this module.

Medicinal Chemistry 4

PHRM316 W2 (17L-3T-15P-0S-22H-21R-0F-0G-2A-6.5W-8C)

Prerequisite: PHRM213W1, PHRM211W1, PHRM212W2
Corequisite: Students are expected to have attempted Medicinal Chemistry 3 (PHRM311W1)
Aim: To provide an understanding of structure-activity relationships and drug design in drugs developed for specific biological targets.
Content: Natural product chemistry and pharmacognosy, Effects of structural modifications on the physicochemical properties of selected drug classes.
Practicals: 6x approximately3hour practicals The synthesis of Aspirin The isolation of an analgesic The synthesis of paracetamol Preparation of methyl salicylate (part A) Preparation of methyl salicylate (part B&C) Preparation of Benzocaine Technical staff: Ms U Govinden, Mr S Chonco All students are required to submit individual practical reports tough they work in groups in the laboratory
Assessment: 70% of the average of 2 tests + 30% of the practical mark 60% of 1x2-hour paper + 40% of formative assessment A 40% subminimum rule will apply
DP Requirement: A student must obtain a CAM of < particular a from student the excused specifically has School of Head where except visits externship and rounds ward classes, practical tutorial fieldwork, all for attendance 100% be must There 40%.>
A lecture note fee of R70-00 will be charged for this module.

Institutional Pharmaceutics

PHRM321 W1 (43L-0T-36P-0S-37H-40R-0F-0G-4A-15W-16C)

Prerequisite: PHRM221, PHRM222
Aim: To train students in the formulation and preparation of sterile pharmaceutical dosage forms and novel drug delivery systems.
Content: Aseptic technique, sterility testing, intravenous therapy, formulation of injections, ophthalmic products, radiopharmaceuticals, cytotoxics, immunological products and blood products. Modified release drug delivery systems including oral, transdermal, intrauterine, intravaginal, parenteral and ophthalmic.
Practicals: 6 (Practical reports form part of the formative assessment)
Assessment: Formative: 70% of the average of 2 tests + 30% of the practical marks. Summative: 1x 2-hour paper
DP Requirement: As per faculty rules.
A lecture note fee of R140-00 will be charged for this module.

Sterile Products

PHRM323 W2 (17L-3T-15P-0S-22H-21R-0F-0G-2A-6.5W-8C)

Prerequisite: PHRM221W1, PHRM222W2
Corequisite: PHRM321W1
Aim: To train students in the formulation and preparation of sterile pharmaceutical dosage forms and applicable quality assurance measures.
Content: Aseptic technique, sterility testing, intravenous therapy, formulation of injections, ophthalmic products, radiopharmaceuticals, cytotoxics, immunological products and blood products.

Practicals: 7 x 3 Hours Practicals (For 3-7 reports to be handed in) 1. Aseptic Technique: Methods of Reconstitution 2. Cytotoxic Reconstitution 3. Radiopharmaceuticals (Demonstration) and Sterility Test 4. Lecture: Dialysis 5. Lecture: Total Parenteral Nutrition 6. Lecture: Intravenous Therapy 7. Lecture: Blood Products
Assessment: 70% of the average of 1 tests +30% of average of Practical Reports Final Mark = 60% Exam Mark + 40%CAM A 40% subminimum rule will apply.
DP Requirement: A student must obtain a CAM of > 40%. There must be 100% attendance for all fieldwork, tutorial classes, practical classes, ward rounds and externship visits except where the Head of School has specifically excused the student from a particular session.
A lecture note fee of R100-00 will be charged for this module.

Pharmacy logistics,Economics & management

PHRM331 W1 (21L-9T-0P-0S-16H-20R-12F-0G-2A-8W-8C)
Prerequisite: HLSC116W2
Aim: To give student basic principles of drug supply management, as well as knowledge of financial, operational, human resources and quality management. The student should also at the end of the course be able to apply a knowledge of logistics, including both private and public sector aspects
Content: Health and Health Care; NDL/EDP/Drug Management cycle; Estimating Drug Requirements; Procurement and Storage; Rational Drug Use; Marketing Environment; Demand and Supply; Human Resources; Financial Concepts; Role of Pharmacist
Practicals: Fieldtrips: 6 x 5hr externship in retail pharmacies
Assessment: 2 x 1 hour tests (70%) + Assessment by tutor (30%); 1 x 2 hour paper; A 40% subminimum rule will apply.
DP Requirement: A student must obtain a CAM of > 40%. A student must obtain 100% attendance for all fieldwork, tutorial classes, practical classes, ward rounds and externship visits except where the Head of School has specifically excused the student from a particular se
A lecture note fee of R50-00 will be charged for this module.

Health Law & Ethics 1

PHRM332 W2 (21L-3T-0P-0S-31H-20R-3F-0G-2A-8W-8C)
Corequisite: PHRM331W1
Aim: To inform the student about all the relevant legislation as well as professional ethics which should be adhered to
Content: Pharmacy Act. Medicines Act.
Practicals: 2 x 3hour tutorial
Assessment: 1 x 1 hour test; 1 x Assignment; Fieldwork evaluation 1 x 2-hour paper A 40% subminimum rule will apply.
DP Requirement: A student must obtain a CAM of > 40%. A student must obtain 100% attendance for all fieldwork, tutorial classes, practical classes, ward rounds and externship visits except where the Head of School has specifically excused the student from a particular se
A lecture note fee of R30-00 will be charged for this module.

Pharmaceutical Care 1

PHRM333 W1 (21L-0T-0P-0S-13H-20R-24F-0G-2A-8W-8C)
Prerequisite: HPHS221; HPHS221; ANAT101; PHRM232
Corequisite: PHRM301W1
Aim: To equip student to be able to provide responsible drug therapy in order to obtain optimal therapeutic outcomes. This module concentrates on selected body systems for pharmacotherapeutic management (non-drug and drug related).
Content: Pharmaceutical care; CNS; Ophthalmology; ENT; Oral Health; URTI
Practicals: Fieldtrips: 6 x 5hr externship in retail pharmacies
Assessment: 2 x 1 hour test (70%); Assessment by tutor (30%); 1 x 2-hour paper; A 40% subminimum rule will apply.

DP Requirement: A student must obtain a CAM of > 40%. A student must obtain 100% attendance for all fieldwork, tutorial classes, practical classes, ward rounds and externship visits except where the Head of School has specifically excused the student from a particular se
A lecture note fee of R50-00 will be charged for this module.

Pharmaceutical Care 2

PHRM334 W2 (21L-28T-0P-0S-9H-20R-0F-0G-2A-8W-8C)
Prerequisite: HPHS221; HPHS221; ANAT101; PHRM232
Corequisite: PHRM302
Aim: To equip student to be able to provide responsible drug therapy in order to obtain optimal therapeutic outcomes. This module concentrates on selected body systems for pharmacotherapeutic management (non-drug and drug related).
Content: Lower respiratory tract infections; Cardiovascular system; Gastrointestinal tract; Organ systems; Blood
Practicals: 5 x 3hour seminars on module topics
Assessment: 2 x 1 hour test; 1 x 2-hour paper; A 40% subminimum rule will apply.
DP Requirement: A student must obtain a CAM of > 40%. A student must obtain 100% attendance for all fieldwork, tutorial classes, practical classes, ward rounds and externship visits except where the Head of School has specifically excused the student from a particular se
A lecture note fee of R50-00 will be charged for this module.

Biopharmaceutics

PHRM421 W1 (35L-30T-0P-0S-58H-35R-0F-0G-2A-13W-16C)
Prerequisite: PHRM221, PHRM222
Aim: To provide an understanding of principles involved in drug discovery and drug research and the influence of formulation on the availability of drugs.
Content: Absorption, Disposition, Relevant Pharmacokinetics, Dissolution, Bioavailability, Bioequivalence, Medicines Registration, Pharmaceutical statistics, Factorial Designs, Products of Biotechnology
Assessment: 70% of the average of 2 tests+30% of assignment marks Final Mark = 60% Exam Mark + 40%CAM A 40% subminimum rule will apply.
DP Requirement: A student must obtain a CAM of > 40%. There must be 100% attendance for all fieldwork, tutorial classes, practical classes, ward rounds and externship visits except where the Head of School has specifically excused the student from a particular session.
A lecture note fee of R70-00 will be charged for this module.

Advanced drug delivery

PHRM422 W2 (17L-3T-15P-0S-21H-22R-0F-0G-2A-6.5W-8C)
Prerequisite: PHRM221, PHRM222
Aim: To provide a background to the formulation and design of modified release and novel drug delivery systems
Content: Polymer Science, Modified Release drug delivery systems including oral, transdermal, intrauterine, intravaginal, parenteral and ophthalmic
Practicals: 5 x 3 Hours Practical / Seminar sessions (Practical / Seminar reports form part of the formative assessment)
Assessment: 70% of test + 30% of average of Practical /Seminar marks Final Mark = 60% Exam Mark + 40%CAM A 40% subminimum rule will apply
DP Requirement: A student must obtain a CAM of > 40%. There must be 100% attendance for all fieldwork, tutorial classes, practical classes, ward rounds and externship visits except where the Head of School has specifically excused the student from a particular session.
A lecture note fee of R50-00 will be charged for this module.

Health Law & Ethics 2
PHRM431 W1 (21.5L-24T-0P-0S-11.5H-20R-0F-0G-3A-8W-8C)
Prerequisite: PHRM331, PHRM333, PHRM334, PHRM332
Corequisite: PHRM433, PHRH434
Aim: To inform student about all the relevant legislation as well as professional ethics which should be adhered to. Also aims to include all aspects of the law and ethics with regards to HIV/AIDS
Content: Application of Health Law and ethics including HIV/AIDS
Practicals: Tutorials: 15 X 1-hour tutorials
Assessment: Formative: 2 X 1hour tests. Summative: 1 x 2-hour paper
DP Requirement: As per faculty rules.
A lecture note fee of R30-00 will be charged for this module.

Pharmaceutical Care 3
PHRM433 W1 (21L-24T-0P-0S-10H-20R-3F-0G-2A-7W-8C)
Prerequisite: HPHS221; HPHS222; ANAT101; PHRM232
Corequisite: PHRM401
Aim: To equip student to be able to provide responsible drug therapy in order to obtain optimal therapeutic outcomes. This module concentrates on selected body systems for pharmacotherapeutic management (non-drug and drug related).
Content: Dermatology; Wound Care; Bones; Reproductive Health; Child Health
Practicals: 5 x 5hour seminars
Assessment: 2 x 1 hour test (60%); Seminar evaluation (First Aid, Family Planning) (40%); 1 x 2-hour paper; A 40% subminimum rule will apply.
DP Requirement: A student must obtain a CAM of > 40%. A student must obtain 100% attendance for all fieldwork, tutorial classes, practical classes, ward rounds and externship visits except where the Head of School has specifically excused the student from a particular se
A fee for the First Aid training will be payable. A lecture note fee of R50-00 will be charged for this module.

Pharmaceutical Care 4
PHRM434 W1 (63L-103T-0P-0S-30H-38R-0F-0G-6A-14W-24C)
Prerequisite: PHRM333; PHRM334; PHRM331; PHRM332
Corequisite: PHRM433; PHRM402; PHRM431
Aim: Application of Pharmacotherapeutic Management to real life situations by means of case studies as well as application of evidenced informed decision making.
Content: Evidence-Informed Decision Making; HIV/AIDS; Drug-Related Problems; Pharmaceutical Care management, Pharmacoeconomic Principles
Practicals: 10 x 5hour seminar sessions
Assessment: 2 x 1-hour tests (80%)+ GCP Assignment (20%); 2 x 2.5 hour paper + 1 hour Observational structured continuous examination; A 40% subminimum rule will apply.
DP Requirement: A student must obtain a CAM of > 40%. A student must obtain 100% attendance for all fieldwork, tutorial classes, practical classes, ward rounds and externship visits except where the Head of School has specifically excused the student from a particular se
A lecture note fee of R150-00 will be charged for this module.

Research project
PHRM441 W1 (0L-0T-0P-24S-36H-5R-120F-54G-1A-26W-24C)
Prerequisite: All year 1,2 and 3 courses for the programme
Corequisite: All 4th Year courses
Aim: to provide knowledge and skills relevant to conducting research, especially for entry to higher degree courses; to develop an advanced level of knowledge in the area of specialisation; to further develop verbal and written skills relevant to advanced studies.

Content: The guided/supervised research process involves the formulation of a research question (related to one of the majors of the Pharmacy programme), literature review, the development of a research proposal, application for ethical clearance, application for funding, the research process using approved methodologies, the analyses of results and the culmination of the process in the form of a protocol and paper which includes an appropriate and relevant literature review, description of methodologies employed, analyses and discussion of results, conclusions and recommendations (where applicable). Through this, the graduate will have developed analytical techniques and problem-solving skills that can be applied in many types of employment. The graduate will be able to evaluate evidence, arguments and assumptions, to reach sound judgements, and to communicate effectively.
Assessment: Individual contribution and participation in the research process forms 15% and evaluation of Research Day presentation forms 10% of final mark. Evaluation of protocol, paper + oral examination
DP Requirement: As per faculty rules.
(0.1 x average protocol mark) + (0.4 x average of the internal and external marks on the written report) + (0.1 x mark obtained for Sch. Res. Day presentation) + (0.25 x the oral examination mark) + (0.15 x continuous assessment/individual contribution)

Pharmaceutical Calculations 2
PHRM442 W2 (21L-21T-0P-0S-16H-20R-0F-0G-2A-15W-8C)
Prerequisite: PHRM241, PHRM331
Corequisite: PHM434
Aim: To train students in calculations pertinent to clinical Pharmacy Practice
Content: Reading and interpreting of prescriptions; Reconstitution of drugs; Calculation of doses; Parenteral Nutrition
Practicals: 6 x 2hr tutorials
Assessment: 70% of the average of 2 tests + 30% of the tutorial marks; 1x 2-hour paper; A 40% subminimum rule will apply.
DP Requirement: A student must obtain a CAM of > 40%. A student must obtain 100% attendance for all fieldwork, tutorial classes, practical classes, ward rounds and externship visits except where the Head of School has specifically excused the student from a particular se
A lecture note fee of R50-00 will be charged for this module.

Masters Research in Pharmaceutics
PHRM8AY (0L-0T-0P-0S-0H-0R-0F-0G-0A-0W-0C)

Masters by Research in Pharmaceutics Subse Yr
PHRM8BY (0L-0T-0P-0S-0H-0R-0F-0G-0A-0W-0C)

Masters Research in Pharmacy
PHRM8CY (0L-0T-0P-0S-0H-0R-0F-0G-0A-0W-0C)

Masters Research in Pharmacy Subseq Yr
PHRM8DY (0L-0T-0P-0S-0H-0R-0F-0G-0A-0W-0C)

Masters Research in Pharmacology
PHRM8EY (0L-0T-0P-0S-0H-0R-0F-0G-0A-0W-0C)

Masters Research in Pharmacology Subseq Yr
PHRM8FY (0L-0T-0P-0S-0H-0R-0F-0G-0A-0W-0C)

Optometry

Offered in the School of Physiotherapy, Sport Science & Optometry

Physical and Geometric Optics

OPTM112 W2 (42L-18T-0P-0S-8H-10R-0F-0G-2A-14W-8C)

Prerequisite: MATH131W1, PHYS141W1

Aim: To develop the concepts of the optics sub-course of Physics for Optometry to the extent of mature understanding of the principles involved in the behaviour of light. To provide the student with a demonstrable understanding of thin and thick lens theory, lens aberrations and their amelioration, and the concept of photometry, interference, diffraction and polarization.

Content: Introduction to geometric and physical optics Laws of reflection and refraction Prisms, Curved refracting surfaces, Thin lenses, Cylindrical and spherocylindrical lenses, Thick lenses, Multiple lens systems, Spectacle magnification

Assessment: Two 45 minutes tests, spot tests, all contributing 50% to the final mark of the module. The format can include a combination of written/short and MCQ`S per paper, covering the sections done, MCQ, short questions, negative marking for MCQ and may be applied to the true & false questions. Students will be informed of the format of the paper prior to the assessment. Calculation of Marks The CAM will comprise an average of the theory tests and a % of any spot tests given. Students will be informed of the formula being used to calculate the CAM. One two-hour examination contributing 50% to the final module mark Examination Guidelines: One 2-hour examination paper contributing 50% to the final module mark. The format can include a combination of multiple choice questions and short questions/calculations. Negative marking will apply to the multiple choice questions and may be applied to true & false questions. The sub minimum for the theory paper will be 40%. Supplementary examinations : as per College HS17.

DP Requirement: DP certification will require: A CAM of at least 40%

Introductory Optometry

OPTM114 W2 (42L-0T-21P-0S-6H-8R-0F-0G-3A-14W-8C)

Aim: To afford students a brief overview of the profession of optometry and optometric concepts. Furthermore, to provide introduction to visual science and clinical optometry.

Content: Basic principles of optometry: the dioptre, visual acuity, hemitropic, ametropia, presbyopia. Basic ocular anatomy. Common ocular pathologies. Eyecare professions. Optical aids. Preliminary testing procedures. Accommodation and convergence. Heterophorias and heterotropia. Optometric instrumentation. Defining professionalism, qualities of a professional–professional letter writing –all of which will help prepare the student for the clinical techniques module and other clinics.

Practicals: 1 per week. Clinical supervision: Yes

Assessment: Formative: Two 60 minute tests(test 1 and test 2), random spot tests and two assignments. Test 1 and 2 will each comprise multiple choice questions with negative marking and possibly short questions/calculations. The assignment topic will be announced. The outcome of the assignment will be to develop the students' ability to research and compile information in a clear and relevant way as well as to educate them on the topic. Detailed information about each assessment, including the format, (theory and practical) will be provided to the learner during the lecture or practical sessions. Additional information about the assessment tasks will be put up on the department noticeboard, as well as, relayed to the students via the module student representative.Calculation of CAM will be the average of two theory tests(50%), spot test(25%) and two assignments(25%). Final mark = 50% of CAM + 50% of exam mark. The subminimum for this exam or exam components will be 40%. Supplementary examinations: College Rule HS17 will apply. Duration of exam is two hours.

DP Requirement: A CAM of at least 40%. Attendance: SCPS3 shall apply

Ophthalmic Optics I

OPTM221 W1 (16L-16T-28P-0S-7H-10R-0F-0G-3A-14W-8C)

Prerequisite: OPTM112W2, MATH131W1

Aim: This module is aimed at optimizing the adaptation of the science of optics to human vision problems, and to foster the recognition of ophthalmic optics as a primary core science within optometry.

Content: Spherical lenses, Sphero-Cylindrical lenses, Toric lenses, transposition, sphero-cylindrical forms versus toric forms, lens thickness based on form of lenses, prisms – compounding and resolving prismatic effects. Practically, hand neutralization of single vision and bifocal spectacles, vertometer reading of single vision and bifocal spectacles.

Practicals: One 3-hour per week

Assessment: There will be two theory tests written during the semester, in addition to two/three practical assessments. Random spot tests will also be given. The format of the test would include calculations, multiple choice questions (with negative marking), True and False questions (negative marking may be applied) and short questions. The assessment criteria will be determined on the information provided in the module handouts and during the lecture and practical sessions. Detailed information about each assessment (theory and practical) will be provided to the learner during the lecture or practical sessions. Additional information about the assessment tasks will be put up on the department noticeboard, as well as, relayed to the students via the module student representative.The CAM will be an average of Theory test 1 and 2, practical assessments 1 and 2, and the average spot test mark. The CAM will contribute 50% of the final mark for this module. Students will be informed of any deviation from this formula in the calculation of the CAM. The mark obtained in the examination will contribute 50% to the final mark for this module. Final mark = 50% of CAM + 50% of exam mark Examination: 1x3hour written paper, and 1x2hour practical assessment, The sub-minimum for each of these components, i.e. The theory paper and the practical assessment, will be 40%. The examination mark will contribute 50% of the final mark for this module.

DP Requirement: A CAM of at least 40%. Attendance: SCPS3 shall apply

A Laboratory fee is payable for this module.

Ophthalmic Optics II

OPTM222 W2 (22L-10T-28P-0S-7H-10R-0F-0G-3A-14W-8C)

Corequisite: OPTM221W1

Aim: To further optimise the adaptation of the science of optics to human vision problems, and to foster the recognition of ophthalmic optics as a primary core science within optometry.

Content: Materials for ophthalmic lenses. Aberrations by spherical and aspherical surfaces. Multifocal lenses. Protective lenses, prismatic effects and decentration. Practically, the identification of different materials, tints, lens design, the lens clock, the tangent scale, and the calipers.

Practicals: One 2-hour per week. Clinical supervision: Yes

Assessment: There will be two theory tests written during the semester, in addition to two/three practical assessments. Random spot tests will also be given. The format of the test would include calculations, multiple choice questions (with negative marking), True and False questions (negative marking may be applied) and short questions. The assessment criteria will be determined on the information provided in the module handouts and during the lecture and practical sessions. Detailed information about each assessment (theory and practical) will be provided to the learner during the lecture or practical sessions. Additional information about the assessment tasks will be put up on the department noticeboard, as well as, relayed to the students via the module student representative.The CAM will be an average of Theory test 1 and 2, practical assessments 1 and 2, and the average spot test mark. The CAM will contribute 50% of the final mark for this module. Students will be informed of any deviation from this formula in the calculation of the CAM. The mark obtained in the examination will contribute 50% to the final mark for this module. Final mark = 50% of CAM + 50% of exam mark Supplementary examinations: College Rule HS17 will apply. The sub-minimum for each of these components, i.e. the theory paper and the practical assessment, will be 40%. The examination mark will contribute 50% of the final mark for this module.

DP Requirement: A CAM of at least 40%. Attendance: SCPS3 shall apply

A Laboratory fee is payable for this module.

Clinical Techniques I
OPTM231 W1 (40.5L-0T-63P-3S-24H-24R-0F-0G-5.5A-14W-16C)
Prerequisite: OPTM114W2
Aim: To be able to conduct various refractive techniques for the diagnosis of visual anomalies.
Content: Case History. Externals. Visual acuity. Retinoscopy (static) Subjective refraction techniques. The determination of spherical and astigmatic ametropia. Accommodative function. Presbyopia. Heterophoria's and Heterotropias, Ophthalmoscopy. The integrated clinical routine. While the lectures will provide the student with a theoretical understanding and background of the topics, practical component of this module will equip the student with the appropriate clinical skills, associated with these topics, which are required to perform many of the techniques. The above-mentioned topics are required for the performance of a comprehensive eye examination.
Practicals: One 3 hours per week. Clinical supervision : Yes.
Assessment: There will be two theory tests written during the semester, in addition to two practical assessments. Random spot tests will also be given. The format of the test would include multiple choice questions (with negative marking), True and False questions (negative marking may be applied) and short questions. The assessment criteria will be determined on the information provided in the module handouts and during the lecture and practical sessions, and the criteria to be used in the practical assessments will be made available to the student before-hand. Any student found "copying" during any of the above-mentioned assessments, will be referred to the Dean of Students, via the Head of School, for disciplinary action. Detailed information about each assessment (theory and practical) will be provided to the learner during the lecture or practical sessions. Additional information about the assessment tasks will be put up on the department noticeboard, as well as, relayed to the students via the module student representative.The CAM will be an average of Theory test 1 and 2, Practical assessments 1 & 2, and the average the spot test mark. The CAM will contribute 50% of the final mark for this module. Students will be informed of any deviation from this formula in the calculation of the CAM. The mark obtained in the examination will contribute 50% to the final mark for this module. Final mark = 50% of CAM + 50% of exam mark Supplementary examinations: College Rule HS17 will apply.
DP Requirement: A CAM of at least 40%. Attendance: SCPS3 shall apply
A Laboratory fee is payable for this module.

Clinical Techniques II
OPTM232 W2 (42L-0T-63P-3S-24H-24R-0F-0G-4A-14W-16C)
Corequisite: OPTM231W1
Aim: To advance the clinical skills of the student obtained in OPTM231W1, to the level at which he/she may completely carry out all procedures available to the clinician and make an appropriate diagnosis and management decision.
Content: The accommodation-convergence relationship in clinical terms. Clinical facets of visual acuity. Binocular refraction and balancing techniques. Analytical optometry. Patient management: the grief case, special problems. Clinical aspects of the visual fields. Case studies. Tonometry, Fixation Disparity, Clinical implications of heterophorias. Anisometropia.
Practicals: One of 3 hours per week. Clinical supervision: yes
Assessment: There will be two theory tests written during the semester, in addition to two practical assessments. Random spot tests will also be given. The format of the test would include multiple choice questions (with negative marking), True and False questions (negative marking may be applied) and short questions. The assessment criteria will be determined on the information provided in the module handouts and during the lecture and practical sessions, and the criteria to be used in the practical assessments will be made available to the student before-hand. Any student found "copying" during any of the above-mentioned assessments, will be referred to the Dean of Students, via the Head of School, for disciplinary action. Detailed information about each assessment (theory and practical) will be provided to the learner during the lecture or practical sessions. Additional information about the assessment tasks will be put up on the department noticeboard, as well as, relayed to the students via the module student representative.The CAM will be an average of Theory test 1 and 2, Practical assessments 1 & 2, and the average the spot test mark. The CAM will contribute 50% of the final mark for this module. Students will be informed of any deviation from this formula in the calculation of the CAM. The mark obtained in the examination will contribute 50% to the final mark for this module.

Final mark = 50% of CAM + 50% of exam mark Supplementary examinations: College Rule HS17 will applyThe sub-minimum for each of these components i.e. the theory paper and the clinical assessment, will be 40%. The examination mark will contribute 50% of the final mark for this module.
DP Requirement: A CAM of at least 40%. Attendance: SCPS3 shall apply
A Laboratory fee is payable for this module.

Optical Dispensing

OPTM234 W2 (28L-0T-28P-0S-8H-14R-0F-0G-2A-14W-8C)
Prerequisite: OPTM112W2, OPTM114W2
Corequisite: OPTM221W1, OPTM222W2
Aim: To describe the fundamental principles of ophthalmic lens design, performance, frame types and materials and frame fitting.
Content: Basic visual problems and lenses & frames to solve them. Manufacturing processes. Fitting and dispensing of spectacles Case studies. Problems encountered in dispensing. Pricing and ordering of spectacles. Specific occupational and environmental needs.
Practicals: One 3-hour per week.
Assessment: Two theory tests and two practical tests are conducted during the semester. Format of the theory tests can include short questions, matching, multiple choice questions (negative marking will apply), true & false (negative marking may be applied) and case studies. The practical test will comprise of the work covered during the semester. The format of the practical tests can include lens identification, frame adjustment, marking of lenses and case studies. The CAM will comprise primarily of an average of the 2 theory tests, and 2 practical tests. However, an assignment given during the semester and spot test, when relevant, will be incorporated into the CAM. Student will be informed how the CAM will be calculated and any deviation thereof. The final mark for the module will comprise 50% of the CAM and 50% of the examination mark. Supplementary examinations: College Rule HS17 will apply. The sub minimum for each component i.e. the theory paper and the practical assessment will be 40%.
DP Requirement: A CAM of at least 40%.
A Laboratory fee is payable for this module. A transportation fee of R15-00 will be charged for this module.

Ocular Anatomy and Physiology

OPTM241 W1 (21L-14T-0P-3S-21H-18R-0F-0G-3A-14W-8C)
Prerequisite: BIOL103W1
Aim: This module describes and discusses the anatomy of the eye in detail. The module intends to give students a grasp of the anatomy of structures related to vision as a foundation for courses in Clinical Techniques and Ocular Pathology
Content: Course Introduction , Gross Anatomy of the eye. Sclera , Limbus, Cornea, Conjunctiva, Eyelids, Blood supply to the eye, Extra-ocular muscles, Choroid Iris and Ciliary Body, Anterior and Posterior Chamber, Lens, Aqueous and Vitreous, Retina, Optic Nerve and Visual pathway, Cranial Nerves (from neuro-anatomy), Overall linking of Ocular Anatomy to Clinical Techniques .
Practicals: 1x 2 hours per alternate week. Clinical supervision: Yes
Assessment: 1. 2 x 45 minute theory tests . one per term. 2. Students are expected to work in groups /teams on an assignment : a. build a model eye . (Try to show anatomy and physiology) b. choose one structure of the eye. Build this structure, to resemble the eye,as closely as possible, showing anatomy, physiology and function. c. Compare the eye to the camera. d. Link work learn't in ocular anatomy to clinical techniques and optics Students will be given a mark for the model eye. Students will be informed of the format of the assessment prior to the assessment. Additional information about the assessment tasks will be put up on the department notice board, as well as, relayed to the students via the module student representative. Calculation of marks The CAM will comprise an average of the 3 marks obtained . (2 tests plus 1 assignment). CAM contributes 50 % to the final module mark. The final exam contributes 50% to the final module mark. Final Examination at end of semester : 1x 2 hour written MCQ and short questions, matching , True/ False. Negative marking applies to MCQ and may be applied to the True & False questions. Passmark is 50 %. A sub minimum of 40% to each exam component will apply.
DP Requirement: A CAM of at least 40%. Attendance: SCPS3 shall apply

Public Health

OPTM311 W1 (10L-0T-0P-11S-17H-40R-0F-0G-2A-14W-8C)

Aim: To equip the student with the necessary skills to understand and interact with the broader society and to understand the impact of social, economic and environmental issues on the health of the patient.

Content: Community health vs Public Health, Primary care optometry, Epidemiology, Health Systems, Health Education and Promotion, Health Economics, The South African Health System, Regional Health Policies, The District Health System, International Health. Ergonomics of work station, visual strain and computer work, ocular hazards of UV and IR radiation; protective materials in industry, visual requirements of different occupations.

Assessment: Two 45 minute tests which may comprise multiple choice questions (negative marking will apply), true and false, matching, and short questions. The CAM will comprise an average of the theory tests and any spot tests. The final mark for the module will comprise 50% of the CAM and 50% of the examination mark. Supplementary examination: as per College Rule HS17.The examination will comprise a two hour theory paper which may comprise multiple choice questions (negative marking will apply), true and false (negative marking may be applied), matching, and short questions. Students will be informed of the format of the examination prior to the examinations. A sub minimum of 40% to each exam component will apply.

DP Requirement: CAM of at least 40%.

Physiological Optics I

OPTM321 W1 (42L-42T-0P-0S-28H-44R-0F-0G-4A-14W-16C)

Prerequisite: OPTM112W2, OPTM231W1, OPTM221W1, OPTM 232W2, OPTM222W2

Aim: To develop a higher and more intensive level of understanding the effects of optical correction on the human eye, its clinical, physiological and optical ramifications. In addition it also provides a firm theoretical understanding of clinical issues relating to the assessment of human visual performance.

Content: The schematic Eyes, Emmetropia and Ametropia, Retinal image formation, Spectacle magnification, Relative Spectacle magnification, Accommodation, Presbyopia, Accommodation and Convergence, graphical analysis, clinical implications.

Practicals: One two hour tutorial every week. Clinical supervision: Tutors

Assessment: Two class tests, tutorial tests, random spot tests and homework. Detailed information about each assessment (theory and practical) will be provided to the learner during the lecture or practical sessions. Additional information about the assessment tasks will be put up on the department noticeboard, as well as, relayed to the students via the module student representative.Calculation of CAM: average of 2xclass test(50%) + average of tutorial tests/spot test tests/homework(50%). Final mark = 50% of CAM + 50% of exam mark. The examination will be one three-hour theory paper. Supplementary examinations: College Rule HS17. The format of the theory tests and examination will include, MCQ (negative marking will apply), true and false(negative marking will apply and short questions. A sub minimum of 40% to each exam component will apply.

DP Requirement: DP certification will require a CAM of at least 40%.

Physiological Optics 2

OPTM322 W2 (42L-42T-0P-0S-28H-44R-0F-0G-4A-14W-16C)

Prerequisite: OPTM321W1

Aim: To develop a broader understanding of the optical and visuo-psychological entities comprising the hierarchy of visual information processing.

Content: The Optical Space Sense, Monocular and Binocular Spatial Localization, The Horopter, Optical-induced Spatial distortions, Aberrations of the human eye, Color Vision, Entoptic phenomenon of the Human eye.

Practicals: One 2-hour tutorial per week

Assessment: Two Class Tests, 1x prac test, 2x assignment + 2x seminar tests and Random Spot Tests and homework. Detailed information about each assessment (theory and practical) will be provided to the learner during the lecture or practical sessions. Additional information about the assessment tasks will be put up on the department noticeboard, as well as, relayed to the students via the module student representative. Calculation of CAM: average of 2xclass test (50%)+average of prac tests,spot test tests,assignments,seminar tests (50%) Final mark = 50% of CAM + 50% of exam mark Supplementary examinations: College Rule HS17 will apply.Exam will include 1x 3hr theory paper and an oral examination.

The format of the written examination will include calculations, multiple choice questions (with negative marking), True and False questions (negative marking may be applied) and short questions Students will be informed about the % contribution of the oral examination to the examination mark. The sub-minimum of 40% will apply for the theory paper and the oral examination

DP Requirement: DP certification will require a CAM of at least 40%.

Contact Lenses I

OPTM331 W1 (42L-0T-0P-0S-25H-10R-0F-0G-3A-14W-8C)

Prerequisite: OPTM 231W1; OPTM 232W2; OPTM 221W1; OPTM 222W2

Corequisite: BIOC200W1

Aim: To cover all aspects of modern contact lens practice with particular emphasis on dealing with spherical lens fits and uncomplicated contact lens specifications.

Content: The anatomy and physiology of the anterior segment of the eye. Corneal topography measurement and significance. The examination of the anterior segment; slit lamp biomicroscopy. Contact lens history, materials, manufacturing methods, optics, design, instrumentation, lens verification. Fitting-routine procedures, material-related problems, the special problems of astigmatism. Lens dispensing and patient education; aftercare. The care and maintenance of rigid and soft contact lenses. Contact lens solutions.

Assessment: Minimum of two tests per semester added towards the year mark. Assignment (if applicable) will make up a % of year mark. The format of the tests and assignment will be discussed with the students beforehand. Additional information will appear on the notice board. Examination Guidelines: Summative Assessment. One final theory examination of 3 hours. The format of the examination can include multiple choice questions (negative marking will apply), true and false (negative marking may be applied), filling in the blanks and short questions. Students will be informed of the format before hand. A sub minimum of 40% to each exam component will apply. Calculation of marks Tests and assignments (if applicable) are added towards CAM. An average of two tests and an assignment (if applicable) will make up the CAM. The CAM will constitute 50% of the final mark for the module and the exam constitutes the other 50% of final mark. Minimum mark required to qualify for supplementary examination as per college rule HS 17.

DP Requirement: A CAM of at least 40%. Any changes to this will appear on the notice board and students will be informed.

General Pathology and Clinical Medicine

OPTM333 W1 (56L-0T-0P-0S-8H-13R-0F-0G-3A-14W-8C)

Prerequisite: OPTM241W1, OPTM231W1, OPTM232W2, HPHS222W2

Aim: To present a detailed description of the aetiology, pathogenesis, differential diagnosis, treatment and management of major systemic diseases.

Content: General Health. The Diseases of the Neurological System, Musculo-Skeletal System, Hematopoietic System, Immunologic System, Cardiovascular System, Endocrine/Metabolic System, Infectious Diseases, Congenital/Hereditary Conditions, HIV/AIDS.

Assessment: Two theory tests which may comprise of Multiple Choice Questions (negative marking will apply) and short questions. Detailed information about the format of each assessment will be provided to the student during the lecture. Additional information about the assessment tasks will be put up on the departmental notice board, as well as, relayed to the students via module student representativeThe CAM will comprise an average of the theory tests. The final mark for the module will comprise 50% of the CAM and 50% of the examination mark. Supplementary examination: as per College Rule HS17One two hour examination contributing 50% to the final module mark. The format may comprise of Multiple Choice Questions (negative marking will apply) and short questions. Students will be informed of the format of the examination paper. A sub minimum of 40% to each exam component will apply.

DP Requirement: A CAM of at least 40%.

Diagnosis and Management of Ocular Disease

OPTM334 WY (84L-0T-96P-0S-11H-44R-0F-0G-5A-28W-24C)

Prerequisite: OPTM232W2, OPTM241W1, HPHS221W1, HPHS222W2, ANAT103W1

Aim: To present a detailed description of the aetiology, pathogenesis, diagnosis, differential diagnosis, treatment and management of posterior segment ocular disease.

Content: Abnormal conditions of the lids, cornea, conjunctiva, lachrymal apparatus, iris, sclera. The extra-ocular muscles. Abnormal conditions of retina, vitreous, optic nerve, cones, ciliary body, lens, glaucoma and systemic disease presentation in the eye. Diagnostics skills including contact tonometry, gonioscopy and dilated fundus examination.

Practicals: One 3-hour practical every week, visit to eye clinic once a month, Clinical supervision: yes

Assessment: Four theory tests to be written during the year plus four practical assessments. Random spot tests will also be given. The format of the test could include multiple choice questions (with negative marking), true and false (negative marking may be applied) and short questions. Assignments may be given. The CAM will be an average of theory tests , practical assessments, average spot test mark, presentation and assignments. The CAM will contribute 50% of the final mark for this module. Students will be informed of the formula for the calculation of the CAM. Final mark = 50% of CAM + 50% of exam mark. Supplementary examinations: College Rule HS17 will apply. Final examination would comprise one theory paper – 3 hours (MCQ's, with negative marking, true and false (negative marking may be applied) and short questions can be included. Students will be informed about the format of the examination. One practical assessment which may include an oral exam. The sub-minimum for each of these components i.e. the theory paper and the practical assessment, will be 40%.

DP Requirement: A CAM of at least 40%. Attendance: SCPS3 shall apply

A Laboratory fee is payable for this module.

General Clinic

OPTM351 WY (0L-0T-112P-0S-20H-24R-0F-0G-4A-28W-16C)

Prerequisite: OPTM231W1, OPTM232W2

Corequisite: OPTM334WY, OPTM353WY

Aim: The student will understand and acquire clinical expertise in ocular assessments and would be able to examine patients more effectively. The student would be able to perform a complete ocular examination with supervision.

Content: Full ocular assessments on volunteer patients - complete refraction, assessment of internal and external ocular health. Record keeping. Supplementary tests used in clinical examinations. Problem oriented examination. Differential diagnosis. Prescribing. Counselling. Tentative diagnosis. Full ocular assessments on volunteer patients - complete refraction, assessment of internal and external ocular health.

Practicals: Two 3-hour per week. Clinical supervision: Yes

Assessment: Continuous assessment graded on each patient seen. 4 Formal clinical assessments – 1 per term. Additional information about the assessment tasks will be put up on the department notice board, as well as, relayed to the students via the module student representative.Calculation of CAM Continuous assessment graded on each patient seen. 4 Formal clinical assessments – 1 per term. The average of assessment marks and average of all patient marks will be used in the calculation of the CAM. The Final mark for the module will constitute 50% of the CAM and 50% of the examination mark. The sub minimum for the examination will be 40%.Same assessment format used during Term assessments Final mark = 50% of CAM + 50% of Exam mark The sub minimum for the examination assessment will be 40%.

DP Requirement: A CAM of at least 40%. Attendance: SCPS3 and SCPS4 shall apply

A transportation fee of R360-00 will be charged for this module.

Contact Lens Clinic 1

OPTM353 WY (0L-0T-84P-0S-32H-40R-0F-0G-4A-28W-16C)

Prerequisite: OPTM241W1

Corequisite: OPTM331W1

Aim: To provide the students with clinical experience in assessing the patient's suitability for contact lens wear, fitting spherical soft and rigid lenses and managing patients wearing these lenses

Content: Verification and modification of lenses, contact lens fitting, care and maintenance, contact lens related complications, spherical contact lens fitting, aftercare and special topics. Enhancement of clinical techniques, exposure to corneal topography and slit lamp attachments, verification and modification of rigid contact lenses.
Practicals: One 3-hour per week. Clinical supervision: yes
Assessment: The format of the tests will be discussed with the class prior to the assessment. All the test results will be used to calculate the DP and tutorial work will be assessed in the clinical tests and examinations. Practical reports will be graded and added to the test marks. The DP will make up 50% of the final examination mark. Additional information will appear on notice board.Examination Guidelines: Summative Assessment. 1 final clinical examination will form 50% of the final examination mark. Clinical stations and one MCQ slide identification station with negative marking may be used. Students will be informed of the format of the examination prior to the examination. A sub minimum of 40% to each exam component will apply. Calculation of marks Average of 4 tests will be used towards the calculation of the CAM. Tests and assignments/tutorial presentations(if applicable) are added towards the CAM. The CAM will constitute 50% of the Final mark for the module, and the exam constitutes the other 50% of final mark. Any changes to this formula will be discussed with students timeously. Minimum mark required to qualify for supplementary examination as per college rule HS 17.
DP Requirement: Â CAM of at least 40% and rule SCPS3 will apply.
A Laboratory fee is payable for this module.

Research Publication

OPTM412 WY (4L-36T-0P-0S-39H-0R-0F-0G-1A-28W-8C)

Prerequisite: All 3rd level modules.
Aim: This course is aimed at the development of research skills. The student is afforded the opportunity to carry out research in their own field of interest. It allows for innovative thinking that opens up the possibility of exciting and valuable discoveries in optometry. Students would be introduced to the field of research and research principles and would learn how to write papers and articles for publication.
Content: Literature surveys. Development of a research topic. Protocol writing. Review of Research Methods. Statistical analysis of research data. Report writing.
Practicals: None. Clinical supervision: Research supervision
Assessment: The assessment of this module comprises continuous assessment of student input and progress through the research study which including an assessment of the protocol. Detailed information about module will be provided by the supervisor at the preliminary group meetings. Additional information about the assessment tasks will be put up on the department notice board, as well as, relayed to the students via the module student representativeThe protocol assessment mark, podium presentation, poster presentation, dissertation and student's contribution will all contribute to the final mark for this module. Students will be informed of the percentage contribution of each aspect. In the final examination of this module, students will be required to do a podium presentation of the research study findings, summarize the research study in the form of a poster, and complete a research report all of which will be examined by the external examiners for the module. A subminimum of 40% will apply to each component i.e. protocol, oral presentation, poster and dissertation.
DP Requirement: As per faculty rules.

Optometric Management & Jurisprudence

OPTM413 WY (56L-0T-0P-0S-11H-11R-0F-0G-2A-28W-8C)

Aim: To prepare students to play a meaningful role in the proper management of optometric services.
Content: The principles of accounting, funding of capital purchases, insurance, balance sheets and profit and loss accounts, the Companies Act, Shops and Offices Act, Factories Act, Workmen's compensation, Unemployment Insurance Act, trends in health care in South Africa, funding of health care, cash flow management, financial controls in a practice environment, staff management, professional and personal responsibilities, fundamentals of law, relevant statutory law, public and professional liabilities and responsibilities in terms of the HPCSA.
Practicals: Field visit - one every four weeks

Assessment: Students will be informed of the assessment tasks by the relevant lecturers on commencement of their sections. Detailed information about each assessment (theory and practical) will be provided to the learner during the lecture periods. Additional information about the assessment tasks will be put up on the department noticeboard, as well as, relayed to the students via the module student representative.The CAM will be an average of the theory tests and assignments. The formula will be communicated to the student during the year. The mark obtained in the examination will contribute 50% to the final mark for this module. Final mark = 50% of CAM + 50% of exam mark Supplementary examinations: College Rule HS17 will apply. A sub minimum of 40% to each exam component will apply. The examination mark will contribute 50% of the final mark for this module.
DP Requirement: A CAM of at least 40%.

Neurophysiology of Vision

OPTM421 W1 (42L-0T-0P-0S-15H-20R-0F-0G-3A-14W-8C)

Corequisite: OPTM322W2
Aim: To provide students with a knowledge and understanding of the neurological functioning and testing of the visual system in relation to the ultra structure.
Content: Transduction, encoding and transmission of information by single neurons. Visual information processing. Purposes of eye movements; directions of gaze; kinematics. EOM structure and physiology. Sherrington's law; Hering's law; Cybernetics. Saccadic, smooth pursuit, VOS, OKS, vergence systems. Neural control of conjugate movement and eye movement adaptation. Contrast sensitivity functions, Fourier Analysis, MTF, Electrodiagnostic tests.
Assessment: There will be two theory tests for the module. The format of the test would include multiple choice questions (with negative marking), True and False questions (negative marking may applied) and short questions. The assessment criteria will be determined on the information provided in the module handouts and during the lectures. Any student found "copying" during any of the above-mentioned assessments, will be referred to the Dean of Students, via the Head of School, for disciplinary action. Detailed information about each assessment (theory and practical) will be provided to the learner during the lecture or practical sessions. Additional information about the assessment tasks will be put up on the department noticeboard, as well as, relayed to the students via the module student representative.Calculation of marks The CAM will be the average of the two theory tests written and will contribute 50% of the final mark for the module. Students will be informed of any deviation from this formula in the calculation of the CAM. Final mark = 50% of CAM + 50% of exam mark Supplementary examinations: College Rule HS17 will apply. A sub minimum of 40% to each exam component will apply. This examination mark will contribute 50% of the final mark for this module.
DP Requirement: A CAM of at least 40%.

Contact Lenses II

OPTM431 W1 (42L-0T-42P-0S-34H-34R-0F-0G-8A-14W-16C)

Prerequisite: OPTM331W1, OPTM353WY
Aim: To provide students with the necessary theory and clinical background for advanced contact lens fitting.
Content: Toric contact lenses. Daily, extended and flexi-wear concepts. Ocular complications. Contact lens fitting for presbyopia, aphakia, re-fitting former PMMA lens wearers, post-refractive surgery, therapeutic lenses, cosmetic lenses, keratoconus. Advances in procedures and instrumentation. Contact lenses for sport activities, special vocational environments, refractive surgery, scleral lenses and ocular prosthetics. Contact lens practice management; economics, marketing, ethics and malpractice.
Practicals: One 3-hour per week. Clinical supervision: yes
Assessment: 2 theory tests. Students will be informed of the format at the beginning of the semester. Random spot tests at lectures – average taken as one additional theory test One practical assessment.Calculation of the CAM The 2 highest marks, of the 2 theory tests and spot test average are used to calculate the theory portion of the CAM (80%) The practical assessment contributes 20% of the CAM. The final mark for the module will comprise 50% of the CAM and 50% of the exam mark.One 3 hour theory paper that contributes 80% of the exam mark, and a practical examination that contributes 20% to the exam mark. The format of theory examination may include short questions and/or case analysis and/or drawing of diagrams and/or MCQ's (with negative marking).

The pass mark is 50%. The Clinical examination will involve clinical assessments and /or a viva examination. The sub minimum for each of the components i.e. the theory exam and the practical exam will be 40%. Minimum mark to qualify for supplementary exam: As per college rule HS 17
DP Requirement: CAM of at least 40 %. Attendance compulsory for all clinics/practicals, seminars & tutorials.
A Laboratory fee is payable for this module.

Paediatric Optometry

OPTM433 W1 (42L-0T-42P-0S-36H-36R-0F-0G-4A-14W-16C)
Prerequisite: OPTM351WY, OPTM322W2, OPTM334WY, PHRM312W2
Corequisite: OPTM435W1, OPTM437W1, OPTM451WY
Aim: To provide the students with the theoretical and clinical knowledge and skills to promote good vision, screen, assess, diagnose and manage the vision of children and make appropriate referrals.
Content: Developmental milestones of gross and fine motor function, cognition, speech and communication and vision development. Vision screening; vision examination, diagnosis and management vision problems in the infant, toddler, preschooler, school aged child. Vision and school performance; delayed development and vision therapy.
Practicals: One 3-hour per week. Clinical supervision: yes
Assessment: There will be two theory tests and two clinical assessments during the semester. Random spot tests will also be given. The format of the test can include multiple choice questions (with negative marking), True and False questions (negative marking may be applied) and short questions. The assessment criteria will be determined on the information provided in the module handouts and during the lecture and practical sessions. Additional information about the assessment tasks as per notice board. The CAM will be an average of Theory test 1 and 2 and assessment 1 and 2, and the average spot test mark. The CAM will contribute 50% of the final mark for this module. Students will be informed of any deviation from this formula in the calculation of the CAM. Final Mark = 50% of CAM + 50% of EXAM MARK Minimum mark required to qualify for supplementary examination is 40% as per College rule HS17.The sub-minimum for the written paper and the clinical assessment will be 40%
DP Requirement: Students must obtain a CAM of at least 40%. Attendance SCPS3 shall apply.
A transportation fee of R390-00 will be charged for this module.

Binocular Vision

OPTM435 W1 (42L-0T-42P-0S-34H-34R-0F-0G-8A-14W-16C)
Prerequisite: OPTM322W2
Corequisite: OPTM435W2
Aim: At the end of the course the learner should have: a thorough knowledge of the binocular vision system and it's various non-strabismic and strabismic anomalies. the ability to use the relevant clinical equipment competently and efficiently to arrive at the diagnosis and perform therapy on patients.
Content: Review of heterophorias, Review of Fixation Disparity and neurological pathway for binocular vision Convergence Insufficiency, Grades of Binocular Vision, Aetiology of Strabismus, Diagnosis of strabismus, ARC, EF, Suppression, Amblyopia, Microtropia, Inconcomitancy, Nystagmus, cyclophorias, Principles of strabismus surgery, BV manifestations of systemic diseases, Muscle Palsies, Treatment & Management of SOP/T & XOP/T, Case analysis
Practicals: One 3-hour per week. Clinical supervision: yes
Assessment: 2 theory tests. Students will be informed of the format at the beginning of the semester. Random spot tests at lectures – average taken as one additional theory test One practical assessment Additional information as per 04 student notice boardThe 2 highest marks, of the 2 theory tests and spot test average is used to calculate the theory portion of the CAM (80%) The practical assessment contributes 20% of the CAM The Final mark for the module will comprise 50% of the CAM and 50% of the examination mark.One 3 hour theory paper that contributes 80% of the exam mark, and a practical examination that contributes 20% to the exam mark. The format of theory examination will include short questions and/or case analysis and/or drawing of diagrams and/or MCQ's (with negative marking). Students will be informed of the format of the examination paper prior to the examination. The pass mark is 50%. A sub minimum of 40% will apply to each of components of the final examination i.e the theory paper and the practical examination. Minimum mark to qualify for supplementary exam: As per college rule HS 17.
DP Requirement: A CAM of 40 % in addition to rule SCPS3.

Low Vision

OPTM437 W1 (42L-0T-42P-0S-36H-36R-0F-0G-4A-14W-16C)

Prerequisite: PHRM312W2, OPTM351WY, OPTM322W2, OPTM334WY

Corequisite: OPTM451WY, OPTM433W1, OPTM435W1

Aim: To equip the learner with the theoretical and clinical knowledge, and skills to assess, diagnose and co-manage the visual and associated functional needs of the partially sighted patient and make appropriate referrals.

Content: Definitions and epidemiology of low vision and blindness, functional losses, psychological and sociological factors, the low vision examination and diagnosis, demonstration, trial and fitting/prescribing assistive devices. Referrals and service organizations. Case presentations.

Practicals: One 3-hour per week. Clinical supervision: yes

Assessment: There will be two theory tests and two clinical assessments during the semester. The average of these tests will constitute theory test 3.Random spot tests will also be given, the format of the test can include multiple choice questions (with negative marking), True and False questions (negative marking may be applied) and short questions The assessment criteria will be determined on the information provided in the module handouts and during the lecture and practical sessions. Students will be informed of the format of the assessment tasks in advance. Additional information about the assessment tasks as per notice board. The CAM will be an average of Theory test 1, 2 and 3, and assessment 1 and 2. The CAM will contribute 50% of the final mark for this module. Students will be informed of any deviation from this formula in the calculation of the CAM Calculation of Final Mark Final Mark = 50% of CAM + 50% of EXAM MARK Minimum mark required to qualify for supplementary examination is 40% as per College rule HS17. The sub-minimum for the written paper and the clinical assessment will be 40%.

DP Requirement: Students must obtain a CAM of at least 40%. Attendance: SCPS3 shall apply.

A transportation fee of R105-00 will be charged for this module.

General Clinics Grand Rounds

OPTM451 WY (0L-0T-168P-28S-22H-20R-0F-0G-2A-28W-24C)

Prerequisite: OPTM351WY, OPTM334WY

Aim: To provide students with clinical experience using detailed step by step procedures for a comprehensive battery of techniques used in the diagnosis & management of vision problems.

Content: Full refractions on patient's. Assessment of internal and external ocular health. Record keeping. Supplementary tests used in clinical examinations. Problem oriented examination. Differential diagnosis. Prescribing. Counselling. Tentative diagnosis. Correct dispensing of spectacles. Fitting a high myope/aphakic/special lenses.

Practicals: One 5 hour per week. Clinical supervision: yes

Assessment: There will be four clinical assessments during the course of this module. During the clinical assessments the student will be expected to perform an appropriate eye examination on a patient, and decide on an accurate diagnosis and appropriate management strategy. Student will write random spot tests based on the content covered during the case presentations which will take place in the second semester. The format of these spot tests will include short questions. Detailed information about each assessment (theory and practical) will be provided to the learner during the lecture or practical sessions. The CAM will include marks obtained in the four clinical assessments, case presentation and spot tests. Students will be informed of the formula to be used. The CAM will contribute 50% to the final mark for the module. The subminimum for each patient seen during the examination will be 40%. Final mark = 50% of CAM + 50% of exam mark. Supplementary examinations: College Rule HS17 will apply.

DP Requirement: CAM of at least 40%. Attendance: SCPS3 and SCPS4 shall apply

A transportation fee of R360-00 will be charged for this module.

Contact Lenses Clinic II

OPTM452 W2 (0L-0T-42P-28S-3H-5R-0F-0G-2A-14W-8C)

Corequisite: OPTM431W1

Aim: To provide the students with clinical skills and experience in the fitting of all contact lenses from basic to advanced.

Content: Verification and modification of lenses, contact lens fitting, care and maintenance, contact lens related complications, special contact lens fitting and special topics. After care management of both hard and soft lens patients. In addition, students undertake practical sessions in contact lens modification and verification and advanced technology.

Practicals: One 3-hour practical, One 2-hour seminar, One 3-hour screening. Clinical supervision: yes
Assessment: The assessment for this course is largely formative. The CAM comprises 75% of the final mark and the examination, 25%. Assessments during the semester (CAM) comprises of: Prac test (20%) case presentations(10%) case records(25%) – 3 cases written up 1 theory test (25%) Slides 20% Any deviation from the above formula will be communicated to the students. A penalty of 20% will apply for assignments/case reports handed in after due date but within one week. The final mark for the module will comprise 75% of the CAM and 25% of the examination mark. Attendance compulsory for ALL clinics/practicals & seminars. A sub minimum of 40% to each exam component will apply. Minimum mark to qualify for supplementary exam: As per college rule HS 17
DP Requirement: A CAM of at least 40 %. Attendance: Rule SCPS3 and Complete fitting of 5 RGP and 10 Soft lens patients (or as otherwise indicated by the module co-ordinator).
A Laboratory fee is payable for this module.

Paediatric Clinic

OPTM454 W2 (0L-0T-42P-28S-2H-5R-0F-0G-3A-14W-8C)

Aim: To provide students with clinical experience in the assessment, diagnosis and management of children's vision.
Content: Vision assessment of children: i.e. case history, external examination, VA , refractive status, colour vision, accommodation, binocular status; ocular health, developmental status; therapy, follow up and referrals.
Practicals: One 3-hour per week, 2-hour seminar, 3-hour screening. Clinical supervision: yes
Assessment: Formative Assessment Tasks: Two formal clinical assessments, clinical assessments on patients, spot tests and case presentations all contributing 50% to the final mark of the module. The student must be able to demonstrate the ability to assess the vision of children i.e. conduct a case history, external examination, record VA, assess the refractive status, colour vision, stereopsis, accommodation, binocular status; ocular health, developmental status of children and manage appropriately. Additional information about the assessment tasks as per notice board.30% assessment 1 + 30% assessment 2 + 30% assessment on patients + 10% case presentation. Any deviation from this formula will be communicated in advance to the student. Final Mark = 50% of CAM + 50% of EXAM MARK Minimum mark required to qualify for supplementary examination is 40% as per College rule HS17.One examination assessment, 50 % contribution to the final mark. The assessment criteria will be determined on the information provided during the practical sessions. The sub-minimum for the clinical assessment will be 40%.
DP Requirement: Students must obtain a CAM of at least 40%. Students are required to assess at least 5 patients unless otherwise specified by the module co-ordinator. Attendance: SCPS3 shall apply.

Binocular Vision

OPTM456 W2 (0L-0T-42P-28S-3H-5R-0F-0G-2A-14W-8C)

Prerequisite: OPTM322W2
Corequisite: OPTM435W1
Aim: To provide the students with the necessary clinical skills for the diagnosis and management of binocular vision anomalies.
Content: The diagnosis, management (with lenses, prisms or therapy) and long term application of therapy for patients with both non strabismic and strabismic binocular anomalies. In addition, students undertake projects and case analyses for identified binocular vision skills, related to vocational/recreational activities.
Practicals: One 3-hour per week , 2-hour seminar, 3-hour screening. Clinical supervision: yes
Assessment: The assessment for this course is largely formative. The CAM comprises 75% of the final mark and the examination 25%. Assessments during the semester (CAM) comprises of: slides (20%) 1 practical test (25%), case presentation (10%) patient record submission (20%) – 2 cases written up 1 theory test (25%) The end of semester examination will make up 25% of the final mark. This will comprise of a viva voce as well as a clinical component. A clinical examination that contributes 25% to the final mark. The format of examination will involve clinical assessments and /or a viva examination. The assessment for this course is largely formative. The end of semester examination will make up 25% of the final mark. This will comprise of a viva voce as well as a clinical assessment component. A sub minimum of 40% to each exam component will apply.
DP Requirement: CAM 40 % Attendance: Rule SCPS 3 & Minimum of 5 BV patients (or as determined by the module co-ordinator) to be seen

Low Vision Clinic
OPTM458 W2 (0L-0T-42P-28S-2H-5R-0F-0G-3A-14W-8C)
Aim: To provide students with clinical experience in the assessment, diagnosis, and co-management of the partially sighted patient
Content: Observational assessment; case history; VA; external examination; binocular status assessment, eye movements, refractive status, determination and verification of the add, contrast sensitivity, visual fields, colour vision, ocular health, demonstration, trial, selection and training of assistive devices, referral to service organisations. Participation in a low vision assignment related to low vision.
Practicals: One 3-hour per week, 2-hour seminar, vocational assessment of patients. Clinical supervision: yes
Assessment: Formative assessment: Clinical assessment on patient contribute 33 percentage towards CAM Two clinical assessment contribute 33 percentage towards CAM Case presentation contribute 33 percentage towards CAM RECORD CARD Calculation of marks: Calculation of CAM: As indicated in the formative assessment above. Any deviation from this formula will be communicated to the class. Examination Guidelines Student will have 2 hour clinical assessment. The format will be communicated to students prior to the examination. A sub minimum of 40% to each exam component will apply.
DP Requirement: Students must obtain a CAM of at least 40% Attendance: Rule SCPS3 will apply.
A Laboratory fee is payable for this module.

Masters Research in Optometry
OPTM8FY (0L-0T-0P-0S-0H-0R-0F-0G-0A-0W-0C)

Masters Research in Optometry Subseq Yr
OPTM8SY (0L-0T-0P-0S-0H-0R-0F-0G-0A-0W-0C)

Physiotherapy

Offered in the School of Physiotherapy, Sport Science & Optometry

Introduction to Physiotherapy Science
PHTH101 W1 (40L-0T-10P-0S-21H-6R-0F-0G-3A-15W-8C)
Aim: To introduce students to basic anatomical structures related to human movement. To assess changes related to swelling/inflammation. To assess joint motion and muscle strength.
Content: Anatomical terminology. Introduction to the musculo-skeletal system (osteology, muscles/tendons/joints). Surface anatomy. Methods of measurement of joint range and muscle testing and application of these tests.
Assessment: There will be I x presentation (groupwork as will be assigned by lecturer on muscular system). Guidelines for presentations to be provided. Assessment criteria to be negotiated with students (either group or individual allocation of marks). 1 x theory test for 1 hour 1 x OSPE (to cover all practical techniques learnt) All 3 above will carry equal weighting and the average of the 3 will constitute the CAM of 60 1 x theory paper 1 hour (short questions to cover both theoretical and practical aspects of module) 1 x OSPE
DP Requirement: Attendance is compulsory. Min CAM of 50% is required to take final examination.
A lecture note fee of R60-00 will be charged for this module.

Massage and Manipulation

PHTH102 W2 (100L-5T-36P-0S-10H-0R-0F-0G-9A-14W-16C)

Aim: The student is introduced massage techniques and general sequences of massage to the upper& lower limb, back &neck. The student is introduced to relaxed passive movements of the upper limb, lower limb and spine, and to techniques of relaxation.

Content: Massage: history, definition of massage, classification, general uses, contra-indications. Application of a general sequence of massage to the upper limbs, lower limbs and back. Theory of passive movements. General sequence of passive movements to the upper limbs, lower limbs, and neck. Local and general relaxation techniques

Assessment: Formative = One theory test and two practical tests, all contributing 60% to the final mark for the module. Summative =One X 1hour theory paper and one OSPE , together contributing 40% to the final module mark

DP Requirement: 75% attendance of lectures, of tutorials and of practical classes, and / or students must achieve a CAM of at least 40%

A lecture note fee of R36-00 will be charged for this module. A transportation fee of R154-00 will be charged for this module.

Physiotherapy Selected Competency Skills

PHTH104 W2 (50L-0T-20P-0S-0H-0R-0F-0G-10A-13W-8C)

Aim: The module provides students with basic knowledge and skills in first aid, nursing, and electrotherapy. The module also introduces students to ethics for physiotherapy practice and research.

Content: Nursing- first aid, nursing skills, CPR, infection control, bandaging and splinting Electrotherapy-Indications, contra-indications, precautions and therapeutic value of ice, hot packs, wax, moist packs, IRR, contrast baths Ethics in physiotherapy- Principles of Batho Pele, the Rights of a patient, confidentiality, The Bill of Rights

Assessment: 2x 60min Theory tests 2x practical tests = (nursing and electrotherapy

DP Requirement: 75% attendance of lectures and of practical classes, and /or students must achieve a CAM of at least 40%

A lecture note fee of R33-00 will be charged for this module. A transportation fee of R154-00 will be charged for this module.

Kinesiology for Physiotherapy

PHTH111 W1 (66L-6T-30P-0S-15H-20R-0F-11G-12A-14W-16C)

Aim: Kinesiology for Physiotherapy provides the foundation for movement based skills and techniques. It is a core module for physiotherapy practice that uses a selection of the principles and theory of physics to explain the biomechanics of human movement and exercise therapy.

Content: The physical principles of movement, axes and planes, derived and fundamental starting positions, wheel-chair ergonomics and wheel-chair activities, kinetic handling, bed mobility and transfer methods, gait re-education, walking aids, the principles of treatment in water, theory and practice of group-exercise therapy

Assessment: One 60minute theory test (LO1, LO4, LO6, LO7), one written assignment (LO1, LO2, LO3, LO4, LO5, LO7) and two OSPE's (LO1, LO2, LO4, LO6), all contributing to the continuous assessment mark (CAM) of the module. Detailed information about each assessment task will be provided during the scheduled contact sessions.

DP Requirement: 75% attendance of lectures and practical classes, and students must achieve a continuous assessment mark(CAM) of at least 40%.

A lecture note fee of R60-00 will be charged for this module. A transportation fee of R154-00 will be charged for this module.

Kinesiology for Physiotherapy

PHTH201 W1 (50L-0T-15P-0S-6H-6R-0F-0G-3A-15W-8C)

Prerequisite: PHYS131W1, PHTH101W1

Aim: To introduce students to joint mobilization and strengthening techniques as well as progression of exercises

Content: Physiology of exercise. Assessment of movement in terms of mechanics, muscle kinematics and kinetics of joints and bones. Joint motion: methods of maintaining and increasing joint range applied to contractile and non-contractile structures. Muscle strength: methods of strengthening. Posture: causes of postural problems, assessment of posture, re-education of posture. Exercise prescription. Exercise Progression. Basic principles and uses of PNF; upper and lower limb, bilateral symmetrical and asymmetrical patterns.

Assessment: Formative Assessment Tasks: One X 1hour theory test and one practical test Summative Examination- 1 x 2 hour written theory paper, half-hour practical examination
DP Requirement: 75% attendance of lectures and of practical classes, and /or students must achieve a CAM of at least 40%

Massage & Manipulation

PHTH203 W1 (50L-0T-10P-0S-3H-4R-0F-0G-3A-14W-7C)

Prerequisite: All level-1 modules
Aim: To introduce the student to a sequence of massage to specific neuromuscular conditions. To introduce the student to the specific manipulations used in chest physiotherapy. To introduce the student to respiratory conditions and breathing exercises
Content: Specific sequence of massage for the following conditions: Bell's palsy, bowel incompetence, stress/insomnia, adherent scar, haematoma, indolent ulcer, chronic oedema of upper and lower limb, massage to neck and shoulders. Transverse frictions Myofascial release and an introduction to trigger point therapy Definition, therapeutic effects and descriptions of general and localized breathing exercises. Postural drainage (theory and practical)
Assessment: Examination Guidelines: Summative Assessment. Examination- 1 x 2 hour written theory paper, half-hour practical examination = 50%. Calculation of marks Calculation formula of CAM: each assessment task that constitutes the formative assessment (CAM) has equal weighting. The CAM is calculated by obtaining an average mark of the three assessments. Calculation formula of exam mark: each assessment task that constitutes the summative assessment has equal weighting. The exam mark is calculated by obtaining an average of the two assessments. Calculation formula of the final module mark: 60% of CAM + 40% of exam mark Each examination component of this module must have a sub-minimum mark of 40%. The pass mark for this module is 50%, provided that the sub-minima required in the assessment procedures have been met (Rule HS18). A student who fails this module with a mark of 40% or more shall be awarded a supplementary examination (Rule HS17).
DP Requirement: 75% attendance of lectures and practical classes, and students must achieve a continuous assessment mark (CAM) of at least 40%.
A lecture note fee of R48-00 will be charged for this module.

Kinesiology for Neurology

PHTH207 W2 (39L-0T-8P-0S-17H-7R-6F-0G-3A-13W-8C)

Prerequisite: All level-1 modules
Aim: To introduce students to the neurological basis for motor development.
Content: Introduction to child development. Motor development from first trimesters and in first year. Normal postural mechanism. Practical facilitation to the trimesters. Fieldwork-venues: William Clark Garden orphanage home Normal development and HIV infected Babies Sparks Estate Cheshire Home-Reflexes and deviation from normal. Importance of early Intervention. Reunion School for introduction to Cerebral Plasy.
Assessment: One x 1hour theory test. I OSPE Group presentation Calculation formula of CAM: each assessment task that constitutes the formative assessment (CAM) has equal weighting. The CAM is calculated by obtaining an average mark of the three assessments. Calculation formula of exam mark: each assessment task that constitutes the summative assessment has equal weighting. The exam mark is calculated by obtaining an average of the two assessments. Calculation formula of the final module mark: 60% of CAM + 40% of exam mark Each examination component of this module must have a sub-minimum mark of 40%. The pass mark for this module is 50%, provided that the sub-minima required in the assessment procedures have been met (Rule HS18). A student who fails this module with a mark of 40% or more shall be awarded a supplementary examination (Rule HS17).
DP Requirement: 75% attendance of lectures and practical classes, and students must achieve a continuous assessment mark(CAM) of at least 40%.
A lecture note fee of R87-00 will be charged for this module. A transportation fee of R308-00 will be charged for this module.

Community Rehabilitation & Development Physio

PHTH208 W2 (50L-0T-8P-0S-6H-7R-6F-0G-3A-15W-8C)

Prerequisite: All level-1 modules.

Aim: To introduce students to the principles of primary health care and community health rehabilitation.

Content: Terminology: health, community, development, impairment, disability, rehabilitation, handicap Principles of Rehabilitation: rehabilitation models, consumers of rehabilitation services, medical model of care versus primary heal th care model Policies: The White Paper for the Transformation of the Health system in South Africa (1997), White Paper on an Integrated National Disability Strategy (1997), World Health Organisation Declaration of Alma-Ata (1978). Process of Rehabilitation: disability prevention, identification and management Physiotherapy as part of community-based rehabilitation: levels of service provision, indications for intervention, intervention strategies, skills transfer, administrative and ethical issues

Assessment: One X 2-hour theory paper Calculation of marks Calculation formula of CAM: each assessment task that constitutes the formative assessment (CAM) has equal weighting. The CAM is calculated by obtaining an average mark of the two assessments. Calculation formula of exam mark: The exam mark is the mark obtained in the assessment. Calculation formula of the final module mark: 60% of CAM + 40% of exam mark Each examination component of this module must have a sub-minimum mark of 40%. The pass mark for this module is 50%, provided that the sub-minima required in the assessment procedures have been met (Rule HS18). A student who fails this module with a mark of 40% or more shall be awarded a supplementary examination (Rule HS17).

DP Requirement: 75% attendance of lectures and practical classes, and students must achieve a continuous assessment mark (CAM) of at least 40%.

A lecture note fee of R20-00 will be charged for this module. A transportation fee of R154-00 will be charged for this module.

Selected Competency Skills

PHTH211 W2 (0L-0T-0P-0S-27H-0R-0F-50G-3A-15W-8C)

Prerequisite: All level-1 modules.

Aim: Introduction of students to clinical practice in various clinical settings. Assessment of patients (subjective and objective – written and practically implemented, development of interviewing skills, integration of assessment findings to develop problem list and treat).

Content: Musculoskeletal assessment and treatment. Chest assessment and treatment. Progression of exercises. Classwork. Postural assessment. Supervised clinical practice

Assessment: Formative assessment: There will be weekly competency evaluations per checklist (refer clinical record book). End of block mark will be weighted as an average of the weekly assessments. **Summative assessment:** 100% CAM (continuous evaluations in each of 3 clinical sites). Final mark is average of all marks obtained at the 3 clinical facilities **Calculation of marks** End of block continuous evaluation as per competency checklist. Final mark: Average of 3 marks obtained from each clinical placement.

DP Requirement: 100% attendance at all clinical sites. SCPS9 Due performance rules HS11 & HS13 applies. Conduct- rule HS22 Unacceptable behavior, . Minimum CAM is 50% and minimum requirement to pass is 50%.

A lecture note fee of R60-00 will be charged for this module. A transportation fee of R308-00 will be charged for this module.

Electrotherapy for Physiotherapy

PHTH212 W2 (36L-0T-28P-0S-6H-7R-0F-0G-3A-13W-8C)

Prerequisite: All level-1 modules.

Aim: To develop students' electrotherapy skills in the application of ultrasound, faradic current, interrupted direct current, direct current, UVR and TENS. Students should be able to apply these skills in their Physiotherapy clinical practice.

Content: Ultrasound – theory of application, therapeutic effects and contra-indications. Faradic current, Interrupted direct current and direct current - theory of application, effects and therapeutic effects and contra-indications. UVR and TENS - theory of application, therapeutic effects and contra-indications.

Assessment: Formative Assessment One theory test and one OSPE (equal weight) – constituting the semester mark (CAM) Summative Assessment One two-hour theory paper and one OSPE examination (equal weight) – constituting the final examination. The final mark for the module will be based on 60% of the CAM and 40% of the final examination.
DP Requirement: 100% attendance of lectures and of practical classes.
A lecture note fee of R60-00 will be charged for this module.

Electrotherapy for Physiotherapy

PHTH321 W1 (36L-0T-28P-0S-6H-7R-0F-0G-3A-14W-8C)

Prerequisite: PHTH212W2
Aim: To develop students' electrotherapy skills' in the application of medium to high frequency currents. Students should be able to apply these skills in their Physiotherapy clinical practice
Content: Medium frequency currents (Interferential) – Theory of application, therapeutic effects and contra-indications. Laser - Theory of application, therapeutic effects and contra-indications. Shortwave diathermy - Theory of application, therapeutic effects and contra-indîcations.
Assessment: Formative Assessment One theory test and two OSPE's. Summative Assessment One two-hour theory paper and one OSPE examination (equal weight) – constituting the final examination. Calculation formula of CAM: each assessment task that constitutes the formative assessment (CAM) has equal weighting. The CAM is calculated by obtaining an average mark of the three assessments. Calculation formula of exam mark: each assessment task that constitutes the summative assessment has equal weighting. The exam mark is calculated by obtaining an average of the two assessments. Calculation formula of the final module mark: 60% of CAM + 40% of exam mark Each examination component of this module must have a sub-minimum mark of 40%. The pass mark for this module is 50%, provided that the sub-minima required in the assessment procedures have been met (Rule HS18). A student who fails this module with a mark of 40% or more shall be awarded a supplementary examination (Rule HS17).
DP Requirement: 75% attendance of lectures and practical classes, and students must achieve a continuous assessment mark(CAM) of at least 40%.
A laboratory fee is payable for this module. A lecture note fee of R60-00 will be charged for this module.

Physiotherapy in Orthopedics & Sport

PHTH322 W2 (40L-0T-10P-0S-16H-7R-0F-4G-3A-14W-8C)

Prerequisite: All level one and two modules
Aim: The module provides students with a theoretical and practical framework in musculoskeletal conditions .
Content: 4.1. Aetiology of overuse injuries, grading of muscloskeletal overuse injuries, grading of ligament and muscle strain injuries 4.2. Principles of treatment of overuse injuries 4.3. Principles of physiotherapy management of fractures, dislocations, fracture-dislocations, arthroplasties, and soft tissue injuries
Assessment: Formative: 1x2 hour theory tests 1 presentation of a paper case (practical) 1 Practical test Feedback on Assessment Tasks Structured feedback will be provided to the group during a discussion session that corresponds with the date for return of marked assessments. Individual discussion with students will be accommodated on request. Procedure for Missed Tests/ Assessment Tasks An alternate date for a missed test/assessment task will be negotiated if the Head of School and/or programme co-ordinator granted the student permission to be excused, in advance of the test, or if the student produces a medical certificate that explains his/her absence from the test/assessment task.
DP Requirement: Calculation formula of CAM: each assessment task that constitutes the formative assessment (CAM) has equal weighting. The CAM is calculated by obtaining an average mark of the three assessments. Calculation formula of exam mark: The exam mark is the mar
A lecture note fee of R120-00 will be charged for this module.

Kinesiology for Physiotherapy

PHTH323 W1 (50L-0T-8P-0S-6H-7R-6F-0G-3A-14W-8C)

Prerequisite: PHTH207W2, PHTH201W1, ANAT101W1, ANAT102W2, ANAT104W2, ANAT109W1
Aim: To introduce students to the application of specialised kinesiology therapeutic skills

Content: Normal gait, abnormal gait patterns, Gait analysis. Balance and co-ordination: causes of disturbance of balance and inco-ordination, re-education of balance and co-ordination. Spinal mobility. Re-education of movement for amputees. Re-education for specific circulatory conditions. Matwork and special PNF techniques (scapular, pelvic and trunk patterns). Transfers. Wheel-chair specifications, orthotics and prosthetics.
Assessment: Formative = 2 X practical tests and one X 2-hour theory test, contributing 60% to the final mark of the module. Summative = One X 2-hour theory paper and an OSPE, contributing 40% to the final mark of the module. Calculation formula of CAM: each assessment task that constitutes the formative assessment (CAM) has equal weighting. The CAM is calculated by obtaining an average mark of the three assessments. Calculation formula of exam mark: each assessment task that constitutes the summative assessment has equal weighting. The exam mark is calculated by obtaining an average of the two assessments. Calculation formula of the final module mark: 60% of CAM + 40% of exam mark Each examination component of this module must have a sub-minimum mark of 40%. The pass mark for this module is 50%, provided that the sub-minima required in the assessment procedures have been met (Rule HS18). A student who fails this module with a mark of 40% or more shall be awarded a supplementary examination (Rule HS17).
DP Requirement: 75% attendance of lectures and practical classes, and students must achieve a continuous assessment mark(CAM) of at least 40%.
A laboratory fee is for this module.

Principles of Physio Practice for Neurology

PHTH324 W2 (39L-0T-8P-0S-20H-7R-3F-0G-3A-13W-8C)

Aim: The student will be equipped with the key knowledge and skills pertaining to physiotherapy management of a variety of paedatric and adult neurological conditions at all the rehabilitation outcome levels
Content: Principles of physiotherapy assessments, treatment and rehabilitation for: patients with disorders of the peripheral and central nervous systems, both medical and surgical in, adults and children. Hypertonus, hypotonus, cerebellar ataxia, athetosis, stroke ,head injuries, Spinall cord injuries, Parkinsons disease, Multiple Sclerosis,Spina Bifida and Hydrocephalus,peripheral Nerve injuries, HIV related conditions. Class teaching. The neurological problems related to HIV is on the increase across Kwa-Zulu Natal.The is a great need for undergraduate and post graduate studies in this field. The content will exposure the students to a regional and cover all age groups.
Assessment: Students to hand in: I assessment and treatment of an Adult neurology patient, 1 Assessment of an Paedatric Cerebral palsy & 1 Assessment of HIV related condition. 1-2hour written paper, 1 practical test, 40% towards exam mark 60% of CAM, 40% of final exam, Subminimum of 40% for supplelementary
DP Requirement: 100% attendance of lectures and practicals unless excused I hour theory test. I practical test Assessments(X3) 60% towards exam mark

Principles of Physiotherapy Practice in Neur

PHTH326 W2 (46L-0T-18P-0S-6H-7R-0F-0G-3A-13W-8C)

Prerequisite: PHTH207W2, PHTH201W1, PHTH203W1
Aim: To provide students with a theoretical and practical framework in the specific conditions/fields as listed below.
Content: A review of the pathology of rheumatological conditions (Rheumatoid arthritis, osteo-arthritis,SLE, JCA); Pulmonary conditions; General surgery (including burns); Gerontology; Obstetrics and Gynaecology (Ante-natal, perinatal and post natal Physiotherapy care; Stages of labour, coping skills, Gynaecological conditions treated by Physiotherapy). The application of the principles of Physiotherapy assessment, treatment and rehabilitation associated with these conditions
Assessment: Formative Assessment One theory test and one practical examination (equal weight) – constituting the semester mark. Summative Assessment One two-hour theory paper based on clinical presentations of patients as per the module. The final mark for the module will be based on 75% of the CAM and 25% of the final examination.
DP Requirement: DP: Requires 100% attendance but absence by prior permission at the discretion of the programme co-ordinator. At least 75% attendance and a semester mark of at least 40%.
A lecture note fee of R80-00 will be charged for this module. A transportation fee of R308-00 will be charged for this module.

Peripheral Manipulations for Physiotherapy
PHTH327 W2 (40L-0T-10P-0S-16H-7R-0F-4G-3A-13W-8C)
Aim: The module provides students with a theoretical and practical framework in manipulative therapy. It also exposes students to an eclectic approach to manipulative therapy in the examination, assessment and treatment of neuromusculoskeletal dysfunction of the upper and lower limbs using assessment and treatment techniques of Maitland, Butler, Cyriax, McConnell, Richardson, Sahrman
Content: 4.1. Introduction to the Maitland concept, definition of terms, (irritability, severity, grades of movement, rhythm, clear, joints, comparable sign, endfeel, active movements, etc.) 4.2. The subjective examination (aims and step-by-step recording) 4.3. The objective examination (aims and step- by- step recording) 4.4. Subjective and objective examination of the glenohumeral, elbow wrist and hand, hip, knee and ankle joints 4.5. Accessory and passive physiological movements for the glenohumeral, elbow, wrist and hand, hip, knee and ankle joints (Maitland ** and *** techniques) 4.6. Selection of passive movements 4.7. Principles of application of passive movements
Assessment: 60% of CAM + 40% of exam mark Each examination component of this module must have a sub-minimum mark of 40%. The pass mark for this module is 50%, provided that the sub-minima required in the assessment procedures have been met (Rule HS18). A student who fails this module with a mark of 40% or more shall be awarded a supplementary examination (Rule HS17).
DP Requirement: 75% attendance of lectures and practical classes, and students must achieve a continuous assessment mark(CAM) of at least 40%.

Physiotherapy Clinical Practice, (Cardiopulm
PHTH343 WY (0L-0T-0P-5S-27H-8R-0F-185G-15A-24W-24C)
Prerequisite: PHTH203W1, PHTH201W1, PHTH207W2
Aim: To promote Physiotherapy clinical problem solving and organizational skills in Cardiopulmonary, Surgery, Paediatrics, Orthopaedics, Obstetrics and Gynaecological conditions. Students should be able to apply these skills in their Physiotherapy clinical practice.
Content: Pathology and Clinical practice in patients with Cardio-pulmonary, Surgery, Paediatrics, Orthopaedics, Obstetrics and Gynaecological conditions.
Assessment: FORMATIVE ASSESSMENT OF MODULE The module consists of TWO blocks. Students in each block will be assessed as follows: A portfolio for the period of the block 1 case presentation of a patient 1oral presentation of a patient At the end of each block students will have a summative assessment which will be an oral presentation and treatment of an assessed patient. The formative and summative assessments in EACH block will all carry equal weight and be added together to constitute the CAM for the module. SUMMATIVE ASSESSMENT OF MODULE At the end of year, students will be subjected to a summative assessment of an oral presentation and treatment of an assessed patient (randomly selected by student and externally moderated). The final mark for the module will be 60% CAM and 40% of the summative assessment (externally moderated) for the module.
DP Requirement: 100% Attendance. Missed clinical periods must be made up by the equivalent time. In accordance with the faculty rule for clinicals.
A lecture note fee of R30-00 will be charged for this module. A transportation fee of R616-00 will be charged for this module.

Physiotherapy Clinical Practice (Neurological
PHTH345 WY (0L-0T-0P-5S-27H-8R-0F-185G-15A-24W-24C)
Prerequisite: PHTH208W2, PHTH207W2, PHTH201W1
Aim: To promote Physiotherapy problem solving clinical and organizational skills in Neurological conditions and Community Physiotherapy. Students must be able to apply these skills in their Physiotherapy clinical practice.
Content: Clinical practice in Neurology and Community Physiotherapy
Assessment: FORMATIVE ASSESSEMENT OF MODULE The module consists of TWO blocks. Students in each block will be assessed as follows: A portfolio for the block 1 Case presentation of a patient 1 oral presentation of a patient At the end of each block students will have a summative assessment which will be an oral presentation and treatment of an assessed patient. The formative and summative assessments in EACH block will all carry equal weight and be added together to constitute the CAM for the module. SUMMATIVE ASSESSEMENT OF MODULE At the end of year, students will be subjected to a summative assessment of an oral presentation and treatment of an assessed patient (randomly selected by student and externally moderated).

The final mark for the module will be 60% CAM and 40% of the summative assessment (externally moderated) for the module.
DP Requirement: 100% Attendance. Missed clinical periods must be made up by the equivalent time. In accordance with the faculty rule for clinicals.
A lecture note fee of R30-00 will be charged for this module. A transportation fee of R616-00 will be charged for this module.

Research Design

PHTH361 W1 (50L-0T-0P-3S-9H-7R-2F-7G-2A-13W-8C)
Aim: This module develops critical enquiry and research skills which are important in the practice of physiotherapy and to encourage lifelong learning and research
Content: All topics have been chosen with the intent to enable the learner to successfully complete a research project at the next level. Namely, terminology in research, research problem identification, measurement scales, critical analysis of scientific literature, , a literature review, approaches to, types of and designs in research, research ethics, writing a research proposal, sampling, instrumentation, scientific communication.
Assessment: Details of Formative Assessment Tasks Type weight Info provided Due date Assignment (O2) 20% On module outline and in class Week 3 Assignment (O6) 40% " Week 6 Assignment (O9) 20% " Week 12 Take home Test 20% " Week 5 Return of Assessment Tasks All assignments will be returned in class at least a week after the submission date.
DP Requirement: Require 100 % attendance but absence by prior permission or evidence based illness will be accepted as per University rule. DP requirement = 1. At least 75% attendance, semester mark of at least 40 percent.

Physiotherapy Clinical Practice A

PHTH400 WY (0L-0T-177P-0S-0H-0R-0F-128G-15A-27W-32C)
Prerequisite: All level one, two, and three modules
Aim: This module develops students' skills in evaluating individuals, situations or a community in the context of the health system and their application of appropriate intervention skills in a curative, rehabilitative, preventative and promotive manner
Content: Supervised clinical practice with emphasis on cardiopulmonary and orthopaedic conditions
Assessment: A portfolio for the block must be kept and handed in by the student at the end of the block. The portfolio will serve as a record of all the clinical work done by the student during the period of the block. Formative per clinical block: A continuous assessment of student performance throughout the clinical block (student professional manner and application of clinical skills) This will contribute 50% toward the end of block mark Summative per clinical block: Assessment and treatment of an unseen patient or assessment of an unseen patient and presentation of a prepared patient. This will contribute 50% toward the end of block mark. The CAM for the module will be the average of the formative and summative evaluations of the student for the 2 clinical blocks Semester mark (CAM) of at least 50% Summative for the module: The final examination mark will constitute 50% of the CAM and 50% of the end of module examination. The end of module examination (external examination) will be either an assessment of an unseen patient or treatment of a prepared patient. The choice and area of the examination will be by random selection by the student.
DP Requirement: Requires 100% attendance. Should a student miss hours of clinical work due to illness or other circumstances then he/she must make prior arrangements with the respective clinical site at which the clinical education is being done to complete the outstandi
A lecture note fee of R90-00 will be charged for this module. A transportation fee of R616-00 will be charged for this module.

Principles of Physiotherapy

PHTH401 WY (80L-0T-20P-10S-20H-13R-0F-8G-9A-13W-16C)
Prerequisite: All level one, two courses and HLSC 304W2, HLSC303W1, HLSC 302W2, HLSC301W1, PHTH322W1, PHTH326W2
Aim: This module develops the students' understanding of the different approaches to the physiotherapy management of: patients who are critically ill (ICU); manual therapy in spinal conditions and those who have had joint replacement surgery; patients presenting with stroke, traumatic brain injuries, cerebral palsy and other related conditions;

Content: Principles of Physiotherapeutic management in joint replacement surgery of the hip, knee and shoulder. Subjective examination, objective examination of the cervical and lumbar spine. Physiotherapy management principles for cervical lumbar syndromes. Physiotherapy for post-surgical spines. Neurodynamics and introduction to mobilization of the nervous system. Physiotherapy for paediatric and adult intensive care. (Neurological and cardiac ICU), cardiac and thoracic surgery, neurology and trauma. Assessment, management and rehabilitation to achieve functional outcomes in patients with brain disorders resulting in postural and movement dysfunctional, including patients with stroke, traumatic head injury, cerebral palsy and related conditions (as available and appropriate to physiotherapy practice).
Assessment: Formative: 3 x 2hour integrated theory tests , 1 OSPE The average of the theory tests and the OSPE will constitute the CAM. The CAM will contribute 50% toward the final exam mark Calculation formula of CAM: each assessment task that constitutes the formative assessment (CAM) has equal weighting. The CAM is calculated by obtaining an average mark of the four assessments. Calculation formula of exam mark: The mark obtained for the summative assessment will constitute the exam mark. Calculation formula of the final module mark: 50% of CAM + 50% of exam mark Each examination component of this module must have a sub-minimum mark of 40%. The pass mark for this module is 50%, provided that the sub-minima required in the assessment procedures have been met (Rule HS18). A student who fails this module with a mark of 40% or more shall be awarded a supplementary examination (Rule HS17).
DP Requirement: 75% attendance of lectures and practical classes, and students must achieve a continuous assessment mark(CAM) of at least 40%.
A lecture note fee of R180-00 will be charged for this module.

Physiotherapy Ethics & Practice Management

PHTH403 W2 (0L-0T-88P-0S-0H-0R-72F-0G-0A-13W-16C)

Prerequisite: All level one, two and three courses
Aim: This module covers key issues related to ethical professional practice which equips the graduate with shared understanding of how health care professionals should act during interaction with fellow professionals, patients / clients, communities and the general public.
Content: The principles of practice management processes at institutional, public and private; community and other health care delivery sites. Professional Ethics and professional conduct as stipulated by the professional Board of Physiotherapy and HPCSA. The role of the Health Professions Council of South Africa and the Board of Physiotherapy.Human rights issues and related patient rights to professional practice
Assessment: The CAM is calculated by obtaining an average mark of the assessments.Calculation formula of exam mark : the mark obtained for the summative assessment will constitute the exam mark. Calculation formula for the final module mark : 50% of cam + 50% of exam mark. Each examination component of this module must have a subminimum mark of 40%. The pass mark for this module is 50%. A student who fails this module with a mark of 40% or more shall be granted a supplementary examination.
DP Requirement: Requires 100% attendance. Should a student miss hours of clinical work due to illness or other circumstances then he/she must make prior arrangements with the respective clinical site at which the elective is being done to complete the outstanding hours
A lecture note fee of R20-00 will be charged for this module.

Physiotherapy Clinical Elective

PHTH404 W2 (0L-0T-88P-0S-0H-0R-72F-0G-0A-13W-16C)

Prerequisite: All level one, two and three courses
Aim: This module strengthens the students' therapeutic and problem solving skills in a clinical area of their choice outside the prescribed areas in the undergraduate training and it promotes communication between students and staff at other institutions
Content: Supervised clinical training in varied settings such as in an approved public hospital, special school, Community Centre or rural setting within or outside the Country. Supervisors / Clinicians should consider the following aspects when supervising students' clinical work: general preparation and approach to patient; assessment skills; effectiveness of treatment (including safety and precautions); follow-up /advice to patient; knowledge of conditions treated; record keeping; professional aspects (punctuality, dress, reliability, responsibility); professional manner and efficiency in organizing own work.

Assessment: Formative Assessment: The supervisor/s /Head of the Institution will be required to evaluate the student on a standardized evaluation form provided by the Department All completed forms must reach the Department one week after completion of the elective. This will constitute the only evaluation for the module Summative Assessment: There is no final examination in this module. The Semester mark is the final evaluation in this module. CAM is 100% Students must obtain at least 50% in the continuous assessment in order to pass the module

DP Requirement: Requires 100% attendance. Should a student miss hours of clinical work due to illness or other circumstances then he/she must make prior arrangements with the respective clinical site at which the elective is being done to complete the outstanding hours

Physiotherapy Research

PHTH405 WY (40L-15T-0P-0S-27H-0R-75F-0G-3A-27W-16C)

Prerequisite: PHTH361W1

Aim: At the end of this module students should be able to undertake a research project and communicate the findings in an oral and written form

Content: Choice of topic after feasibility tests Preparation of proposal following guidelines Collect and analyse data Prepare final written thesis Oral presentation of findings

Assessment: Formative Research proposal marked by the supervisor will constitute the CAM. This will constitute 40% of the final mark Summative Presentation of the research project will constitute 20% of the final mark. The oral presentation will be externally examined. Examination of the soft bound copy will constitute 40% of the final mark. The soft bound copy will be examined by the supervisor and the external examiner. An average of the marks will be taken. Students will be required to make the necessary corrections/ changes before submitting the hard bound copy. Students will only obtain the final mark once the hard bound copy of the research project has been submitted Final Mark = 40% (CAM) + 20% (oral presentation) + 40% (marked written soft bound thesis) If a student obtains between 40% to 49% in the exam then he/she qualifies for a supplementary exam

DP Requirement: Confirmation by the supervisor that the student has applied himself / herself with sufficient diligence to the project

A lecture note fee of R60-00 will be charged for this module.

Physiotherapy ClinicalPractice B

PHTH410 WY (0L-0T-177P-0S-0H-0R-0F-128G-15A-27W-32C)

Prerequisite: All level one, two, and three modules

Aim: This module develops students' skills in evaluating individuals, situations or a community in the context of the health system and their application of appropriate intervention skills in a curative, rehabilitative, preventative and promotive manner

Content: Supervised clinical practice with emphasis on neurology and community development and rehabilitation

Assessment: Assessment: The module will constitute 2 clinical blocks. A portfolio for the block must be kept and handed in by the student at the end of the block. The portfolio will serve as a record of all the clinical work done by the student during the period of the block. Formative per clinical block: A continuous assessment of student performance throughout the clinical block (student professional manner and application of clinical skills) This will contribute 50% toward the end of block mark Summative per clinical block: Assessment and treatment of an unseen patient or assessment of an unseen patient and presentation of a prepared patient. This will contribute 50% toward the end of block mark. The CAM for the module will be the average of the formative and summative evaluations of the student for the 2 clinical blocks Semester mark (CAM) of at least 50% Summative for the module: The final examination mark will constitute 50% of the CAM and 50% of the end of module examination. The end of module examination (external examination) will be either an assessment of an unseen patient or treatment of a prepared patient. The choice and area of the examination will be determined by random selection by the student.

DP Requirement: Requires 100% attendance. Should a student miss hours of clinical work due to illness or other circumstances then he/she must make prior arrangements with the respective clinical site at which the clinical education is being done to complete the outstandi

A lecture note fee of R30-00 will be charged for this module. A transportation fee of R616-00 will be charged for this module.

Mini Thesis
PHTH800 WY (0L-0T-0P-70S-570H-0R-0F-0G-0A-30W-64C)
Aim: This module will enable the learner to undertake and complete a research project independently.
Content: Research topic identification, proposal preparation, data collection, data analysis, production of a thesis, preparation or publication of a paper.
Assessment: Examination of the dissertation.
DP Requirement: Confirmation by the supervisor that the student has applied him- or herself with sufficient diligence to the project.

Biofunctional Analysis: Neuromuscular
PHTH801 W1 (55L-0T-0P-30S-25H-0R-30F-0G-20A-15W-16C)
Aim: This module is designed to promote understanding of principles of advanced neuromuscular physiology in relation to exercise and human performance.
Content: Covers application of concepts in the neuromuscular system, metabolism and environmental physiology. Neuromuscular adaptations to disease, aerobic and endurance exercise, exercise in the heat and cold, hyperbaric and hypobaric conditions, and gender effects on human performance.
Assessment: Semester mark (70%) – One test and two assignments Final examination (30%) – one 2-hour written examination
DP Requirement: 75% attendance of lectures

Functional Assessment
PHTH802 W1 (40L-0T-0P-30S-0H-0R-70F-0G-20A-15W-16C)
Aim: To introduce learners to the objective measurement of function
Content: Conceptual framework for examining disability, Instrumentation - defining levels of independence, scoring, validity, reliability, precision and feasibility, types of instruments, functional assessment in research in clinical practice viz., traumatic brain injured patients, stroke patients, spinal cord injured patients, arthritic patients, geriatrics, paediatrics, development of an instrument.
Assessment: Semester mark (100% of final mark) – two clinical assignments and one paper.
DP Requirement: 75% attendance of lectures

Biofunctional Analysis: Cardiopulanory or
PHTH803 W1 (55L-0T-0P-30S-25H-0R-30F-0G-20A-15W-16C)
Aim: This module is designed to promote understanding of principles of advanced cardiopulmonary physiology in relation to exercise and human performance.
Content: Oxidative and non-oxidative metabolism, fuel sources in exercise, endocrine and neural control of metabolism, Statics, dynamics and energetics of the respiratory system, gas exchange, respiratory muscles, control of breathing, assessment, cardiac pressures and ECG, control of the heart during exercise, length tension relationship, factors limiting exercise, cardiac adaptations to exercise, exercise in the heat and cold, hyperbaric and hypobaric conditions, and gender effects on human performance
Assessment: Semester mark (70%) - one test and two assignments, Final examination (30%) -One 2-hour written examination.
DP Requirement: 75% attendance of lectures.

Critical Analysis of Physical Agents
PHTH804 W2 (40L-0T-0P-30S-0H-0R-70F-0G-20A-15W-16C)
Aim: This module is designed to enable the learner to understand the importance of evidence based practice.
Content: Problem solving approach to the understanding of physical agents in physiotherapy, Critical review of published work on electrical stimulation, electrodiagnosis, high frequency currents, ultrasound, laser and the electromagnetic spectrum.
Assessment: Semester mark(100% of final mark) –two assignments, one paper
DP Requirement: 75% attendance of lectures.

Principles of Measurement and Evaluation

PHTH805 W1 (55L-0T-0P-30S-25H-0R-30F-0G-20A-15W-16C)

Aim: This module is designed to promote and develop skills in appropriate laboratory techniques and measurement in order to undertake scientifically viable research.

Content: Electrical safety and instrument hazards, properties of biological signals, measurement theory, instrument errors, instrument theory and practice, signal detectors, signal conditioners, display devices, computers, running an experiment, maintenance and repair, operating or purchasing instruments

Assessment: Semester mark (70%) – One test, two laboratory-based assignments. Final examination (30%) –One 2-hour written examination.

DP Requirement: 75% attendance of lectures and of practical classes

Independent Study

PHTH806 W2 (0L-0T-0P-40S-70H-0R-30F-0G-20A-15W-16C)

Prerequisite: NONE

Corequisite: NONE

Aim: To promote independence in research.

Content: Ability to choose and follow up 2 research topics, on clinical and one laboratory through the process of proposal writing, ethical clearance, data collection, data processing and paper or presentation preparation

Practicals: NONE

Assessment: Semester mark (100% of the final mark) –one research project, one paper.

DP Requirement: 75% attendance of seminar presentations, completion of research project

Elements of Research

PHTH807 W1 (70L-0T-0P-30S-0H-0R-45F-0G-15A-15W-16C)

Aim: To promote an understanding of research principles

Content: What is research-terminology in research, research problem identification, supervisor identification and requirements, measurement scales, critical analysis of the scientific literature, literature search, types of research and designs, quantitative and Qualitative, ethical considerations in research, writing a research proposal, sampling, validity and reliability in research, instrumentation in research-hard and soft, including questionnaire design, computers in research, converting research into output.

Assessment: Semester mark (70%) – two laboratory projects, one paper; final examination (30%) – one 2-hour written examination

DP Requirement: 75% attendance of lectures

Directed Reading

PHTH808 W2 (0L-30T-0P-75S-35H-0R-0F-0G-20A-15W-16C)

Aim: To promote focused appreciation of the literature on selected topics.

Content: Research topic identification, proposal preparation, data collection, data analysis, production of a thesis, preparation or publication of a paper.

Assessment: Semester mark (100%) – Critical review paper

DP Requirement: Must produce a review paper.

Contemporary issues in Geriatric Populations

PHTH810 W2 (0L-0T-0P-70S-25H-0R-45F-0G-20A-15W-16C)

Aim: This module is designed to introduce the learner to introduce the learner to literature and research as related to contemporary issues in geriatric populations.

Content: Anatomical and physiological changes associated with aging, diseases common to this sector of the population, geriatric disease, health and distribution profiles., factors affecting geriatric health e.g., nutrition, education, access, residential facilities, impact of family and socioeconomic structures, exercise effects, evaluation of function.

Assessment: mark (100%) – Five oral and written assignments. (No final examination).

DP Requirement: 75% attendance of lectures

Sport Science

Offered in the School of Physiotherapy, Sport Science & Optometry

History & Adapted Physical Education

SSBR111 (33L-6T-0P-0S-60H-54R-5F-0G-2A-15W-16C)

Aim: To provide learners with knowledge of the history and foundations of sport science, which will provide a basis for later modules. Learners are also given an understanding of certain disabilities, allowing them to provide disabled individuals access to physical activity

Content: History and Foundations of Sport Science The development of formalised movement education, sport and recreation during selected historical periods; the influence of national and international politics in South Africa's sport participation. **Foundation** principles of sport science include definitions, aims and categories of sport science. Also including application of these principles to daily living. **Adapted Physical Activity** An introduction to the education and treatment of selected exceptional learners.

Assessment: Formative Assessment Tasks 1) History of Sport Science (25% weighting) 1 Assignment (50 marks) 1 45 minute test (50 marks) 2) Foundations of Sport Science (25% weighting) 2 45 minute tests (50 marks each) 3) Adapted Physical Education (50% Weighting) 2 45 minute tests (50 marks each) Calculation of Marks 1. CAM - History of Sport Science Test + Assignment = 25% of CAM - Foundations of Sport Science Tests (2) = 25% of CAM - Adapted Physical Education Tests (2) = 50% of CAM 2. Exam Mark - Only written exam mark included 3. Final Mark • The CAM contributes towards 40% of the final mark for the module (Formative Assessment) • The exam contributes 60% to the final mark (Summative Assessment) • A 40% subminimum for the exam, or component of the exam shall apply.

DP Requirement: A 75% attendance of lectures and practical classes and a continuous assessment mark (CAM) of at least 40% is required for a student to qualify for a DP

Elements of Human Anatomy

SSBR112 (30L-10T-9P-0S-46H-54R-0F-9G-2A-13W-16C)

Aim: To provide learners with knowledge of the history and foundations of sport science, which will provide a basis for later modules. Learners are also given an understanding of certain disabilities, allowing them to provide disabled individuals access to physical activity

Content: History and Foundations of Sport Science The development of formalised movement education, sport and recreation during selected historical periods; the influence of national and international politics in South Africa's sport participation. Foundation principles of sport science include definitions, aims and categories of sport science. Also including application of these principles to daily living. Adapted Physical Activity An introduction to the education and treatment of selected exceptional learners.

Assessment: Formative Assessment Tasks 1) History of Sport Science (25% weighting) 1 Assignment (50 marks) 1 45 minute test (50 marks) 2) Foundations of Sport Science (25% weighting) 2 45 minute tests (50 marks each) 3) Adapted Physical Education (50% Weighting) 2 45 minute tests (50 marks each) Calculation of Marks 1. CAM - History of Sport Science Test + Assignment = 25% of CAM - Foundations of Sport Science Tests (2) = 25% of CAM - Adapted Physical Education Tests (2) = 50% of CAM 2. Exam Mark - Only written exam mark included 3. Final Mark • The CAM contributes towards 40% of the final mark for the module (Formative Assessment) • The exam contributes 60% to the final mark (Summative Assessment) • A final mark of 50% is required to gain credit for the module. A 40% subminimum for the exam, or component of the exam shall apply.

DP Requirement: A 75% attendance of lectures and practical classes and a continuous assessment mark (CAM) of at least 40% is required for a student to qualify for a DP

Principles of Coaching & Conditioning

SSBR113 (54L-17T-26P-10S-28H-13R-10F-0G-2A-13W-16C)

Aim: To introduce the students to the basic tenets of scientific conditioning techniques for sport and the general population groups.

Content: Important principles for exercise prescription, fitness testing, science of strength training, power training, speed power, endurance agility and flexibility. Practical application of all the above mentioned principles, periodization, hazardous exercise.

Practicals: 20 one-hour sessions in a health and fitness facility.

Assessment: 2 x 1 hour tests 1 x major assignment Practical presentations Summative assessments 1 x 2 hour paper Short questions Essay questions Calculation of marks 2 tests adding 40%towards CAM, 1 assignment adding 20% towards CAM and practical presentations will be used to calculate the DP(formative) 40 % DP and 60 % exam mark final(summative). A 40% subminimum for the exam, or component of the exam shall apply.

DP Requirement: 75% attendance of lectures and practicals and a continuous assessment mark of 40% is required for a student to qualify for D.P

Kinesiology & Health Education

SSBR114 (54L-17T-26P-10S-28H-13R-10F-0G-2A-13W-16C)

Aim: Kinesiology To introduce the students to the basic tenets of scientific movement of the body in relation to the latest published norms. **Health education**To introduce students to the health risks and hazards not only in sport but in a general scenario and to make them aware of the preventative methods and solutions

Content: Kinesiology The recent methods in body movement in the relation to Sport and Science Movement in prevention of injury. **Health education**Current concerns in the world with regards to health awareness and strategies in prevention and solution.

Assessment: Formative assessment: 2 x 1 hour tests 1 x major assignment Practical presentations Summative assessments: 1 x 2 hour paper Short questions Essay questions Calculation of marks: 2 tests adding 40%towards CAM, 1 assignment adding 20% towards CAM and practical presentations will be used to calculate the DP(formative) 40 % DP and 60 % exam mark final(summative). A 40% subminimum for the exam, or component of the exam shall apply.

DP Requirement: 75% attendance of lectures and practicals and a continuous assessment mark of 40% is required in both component within the module for a student to qualify for D.P

Practical Component

SSBR115 W2 (0L-0T-30P-0S-28H-16R-0F-0G-6A-13W-8C)

Aim: Swimming Learners will be introduced to swimming techniques and conditioning and coaching techniques specific to swimming **Conditioning** To introduce the students to the basic tenets of scientific conditioning techniques for sport and the general population groups in a practical scenario **Softball** Learning and playing aspects of softball with training regimes added in extending knowledge towards the game.

Content: Swimming Students are divided groups depending on ability Advanced group focus on stroke correction Intermediate group focus on stroke correction and new stroke acquisition Beginners group focus on basic swimming technique **Conditioning** Important principles for exercise prescription, fitness testing, science of strength training, power training, speed power, endurance agility and flexibility. Practical application of all the above mentioned principles, periodization, hazardous exercise. This is carried over from the theory lectures of principles of coaching and conditioning and progression is a key. **Softball** Prescription, testing and exercise training with the different positions of the game.

Assessment: Formative Assessment Tasks**Swimming** 1 Assignment (50% of CAM) 1 Practical Evaluation (50% of CAM) **Conditioning and Softball** 1 x major assignment (60% to CAM)on the exercise principles from knowledge gained from the first year and applied towards a sport in the assignment Practical presentations (40% to CAM) – all aspects of strength and conditioning that has been lectured on must be presented practically by the student in a given scenario. **Summative Assessment.**Swimming 1 x 2 Hour Practical and Oral Exam Practical and oral exam will include components of: Conditioning Technique correction Teaching basic swimming techniques Conditioning and Softball 1x 2 Hour Practical Exam Students will be required to demonstrate and explain the practicals that were lectured to them in a provided scenario. A 40% subminimum for the exam, or component of the exam shall apply.

DP Requirement: A 75% attendance of lectures and practical classes and a continuous assessment mark (CAM) of at least 40% in each component of the module, is required for a student to qualify for a DP.

Practical Component

SSBR116 W2 (6L-0T-30P-0S-26H-14R-0F-0G-4A-13W-8C)

Aim: Netball: Acquisition of Sports skills and coaching techniques for selected codes of sport. Soccer: Students will be introduced to the rules of the game, as well as concepts of tactical play, and principles of conditioning and skills acquisition Conditioning: To introduce the students to the basic tenets of scientific conditioning techniques for sport and the general population groups in a practical scenario

Content: Netball • Theoretical knowledge of sport codes. • Practical, "hands-on" experience of various sporting codes. • Coaching and conditioning for various sports. Soccer • The rules of the game • Basic tactics including formations • Comprehensive conditioning protocols • Biomechanics of the kicking action Conditioning: Important principles for exercise prescription, fitness testing, science of strength training, power training, speed power, endurance agility and flexibility. Practical application of all the above mentioned principles, periodization, hazardous exercise. This is carried over from the theory lectures of principles of coaching and conditioning and progression is a key.

Assessment: Formative Assessment Tasks Netball: 1 Practical Assessment – Practical Assessment of the different skills and drills related to netball 1 Assignment: 40% of practical assessment and 60% of assignment will be used in the computation of CAM Soccer: 1 Written Test (10% of CAM), 1 Written Assignment (50% of CAM), 1 Practical Evaluation (40% of CAM) Conditioning: 1 x major assignment (60% to CAM)on the exercise principles from knowledge gained from the first year and applied towards a sport in the assignment Practical presentations (40% to CAM) – all aspects of strength and conditioning that has been lectured on must be presented practically by the student in a given scenario. Summative Assessment. Netball: 1 X 2 Hour Practical Exam Practical assessment – will focus on game evaluation. Marks will be allocated for technique and competencies of skills. The Learner must be able to have a basic understanding of the principles to administer a coaching session, The assessment will also involve an oral exam. Soccer: 1x 2 Hour Practical Exam The practical assessment will include the following aspects: • The rules of the game • Basic tactics including formations • Comprehensive conditioning protocols • General skills and game play Conditioning: 1x 2 Hour Practical Exam Students will be required to demonstrate and explain the practicals that were lectured to them in a provided scenario. A 40% subminimum for the exam, or component of the exam shall apply.

DP Requirement: A 75% attendance of lectures and practical classes and a continuous assessment mark (CAM) of at least 40% in each component of the module, is required for a student to qualify for a DP.

Evaluation, Statistics & Measurement of Sport

SSBR211 (39L-4T-9P-0S-47H-50R-0F-9G-2A-13W-16C)

Aim: To introduce the student to basic testing procedures and the use of equipment. To introduce basic statistical concepts for making sense of and analysing data.

Content: Statistics: Descriptive statistics, including methods for organizing and presenting data, summarizing or describing data and comparing two or more groups of subjects or conditions. Measurements: The evaluation of physical performance and individual physiological characteristics. All the major fitness components and their relevant tests are covered. These include aerobic, anaerobic, speed, power, explosiveness, strength, endurance, flexibility and posture.

Assessment: Formative Assessment Tasks Statistics 2 x 1 hour tests 50% of the average of these two test marks will be used in the computation of CAM Measurements 2 x test (each test will count for 30% of the final measurement mark) 1 x assignment which will count for the remaining 40% 50% of all these marks will be used for the computation of CAM Examination Guidelines: Summative Assessment. 1 x 2½ hour paper Problem based questions in statistics 50 marks of the examination paper is allocated to statistics 50 marks of the examination paper is allocated to measurements Calculation of marks Statistics: • 50% of the average of Test 1 and Test 2 will contribute to CAM. • The CAM contributes 40% to the final mark for the module (Formative Assessment) • The exam contributes 60% to the final mark (Summative Assessment) • A final mark of 50% is required to gain credit for the module. A 40% subminimum for the exam, or component of the exam shall apply.

DP Requirement: A 75% attendance of lectures and practical classes and a continuous assessment mark (CAM) of at least 40% is required for a student to qualify for a DP. A penalty of 5% per working day for late assignment

Sport Organisation & Management. Legal Aspect

SSBR212 (39L-13T-0P-0S-41H-52R-13F-0G-2A-15W-16C)

Aim: To present an introduction to the organization and management of sports events, sport bodies and competitions as well as aspects of the laws affecting sport.

Content: Sport Management – The management process in relation to sports events. Basic principles of planning organizing, directing and control. Organisation of sporting associations, meeting procedures and duties of officials. Legal Aspects of Sport – The role of law in sport and physical activity. Negligence prevention and avoidance of negligence suits. Risk management planning, legal liability in sport and recreation. Protective legal documents

Assessment: Formative Assessment Tasks 2 x 45 minute Tests – Sport Management 2 X 45 minute Tests – Legal Aspects of Sport An average of these 4 tests will be used to compute the CAM mark. All details pertaining to assessments will be explained in class. Examination Guidelines: Summative Assessment. 1 x 2 hour Exam Paper – Sport Management: 50 Marks Legal Aspects of Sport: 50 Marks Short questions, True/False questions, Application questions Calculation of marks • CAM mark will be the average of the four tests – 2 Sport Management and 2 Legal Aspects of Sport • The CAM contributes 40% to the final mark for the module (Formative Assessment) • The exam contributes 60% to the final mark (Summative Assessment) • A final mark of 50% is required to gain credit for the module. A 40% subminimum for the exam, or component of the exam shall apply.

DP Requirement: A 75% attendance of lectures and practical classes in each component of the module and a continuous assessment mark (CAM) of at least 40% in each component of the module is required for a student to qualify for a DP.

Biomechanical Principles of Sport Science

SSBR213 (36L-3T-14P-3S-57H-40R-0F-5G-2A-13W-16C)

Aim: Introduce the student to the analysis of sporting activities. Along with Kinesiology & Anatomy it forms the foundation to Sport Injuries. It is vitally important for the learner to analyze human movement.

Content: Basic introductory concepts. Linear and angular kinematics. Linear and angular kinetics. Analysis of selected physical activities and sport skills. The literature is updated and focuses on the latest techniques used by sportspersons. The literature is then applied in a practical setting.

Assessment: Formative Assessment Tasks Orthopaedic rehabilitation 2 x Tests (each counting 30% towards CAM) 1 x Poster (sport specific-counting for the remaining 40% of CAM) All other information pertaining to assessments will be explained in class. Summative Assessment. 1 x 2 hour exam paper 100 marks The questions will be in the form of short questions, defining terms and an in depth analysis of certain movements. Calculation of marks • The CAM contributes 40% to the final mark for the module (Formative Assessment) • The exam contributes 60% to the final mark (Summative Assessment) • A final mark of 50% is required to gain credit for the module. A 40% subminimum for the exam, or component of the exam shall apply.

DP Requirement: A 75% attendance of lectures and practical classes and a continuous assessment mark (CAM) of at least 40% is required for a student to qualify for a DP.

Exercise Biochemistry, Sport Injuries & Firs

SSBR214 (42L-5T-5P-5S-48H-48R-0F-5G-2A-13W-16C)

Aim: An introduction to exercise biochemistry, enabling the learner to apply principles to nutrition and exercise. An introduction to defining and managing common sports injuries The first aid course is an elementary course, introducing the learner to concepts of first aid management

Content: Exercise Biochemistry • Basic principles of chemistry • Cell structure and functioning • Basic principles of nutrition • Fuel metabolism • Principles of supplementation Sport Injuries • Acute and Overuse injuries • Classification of injuries • Common sports injuries • Biomechanics • Core stability • Principles of diagnosis • Principles of treatment • Principles of rehabilitation First-Aid - Completion of an elementary course in first-aid • Injury scene management • Management of specific injuries • Principles of strapping, splinting and bracing

Assessment: Formative Assessment Tasks 1.Exercise Biochemistry: - 2 x 45 minute tests (50 marks each) - 1 written assignment (50 marks) - 1 Journal Research Feedback Presentation (25 marks) 2. Sports Injuries - 2 x 45 minute tests (50 marks each) - 1 Poster Presentation (50 marks) 3. First Aid - 1 Written Test (25 marks) Calculation of Marks 1. CAM - Exercise Biochemistry = 45% of CAM - Sports Injuries = 45% of CAM - First Aid = 10% of CAM 2. Exam Mark - Only written exam mark included 3. Final Mark • The CAM contributes towards 40% of the final mark for the module (Formative Assessment) •

The exam contributes 60% to the final mark (Summative Assessment) • A final mark of 50% is required to gain credit for the module. A 40% subminimum for the exam, or component of the exam shall apply.
DP Requirement: A 75% attendance of lectures and practical classes and a continuous assessment mark (CAM) of at least 40% is required for a student to qualify for a DP.

Practical Component level 2A

SSBR215 (0L-0T-39P-0S-14H-12R-9F-0G-6A-13W-8C)

Aim: Acquisition of sport skills and coaching techniques for selected codes of sport.
Content: Theoretical knowledge of sport codes. Practical, "hands-on" experience of various sporting codes. Coaching and conditioning for various sports.
Assessment: Assessment Tasks Volleyball 1 Practical Assessment – Practical Assessment of the different skills and drills related to volleyball 1 Assignment 40% of practical assessment and 60% of assignment will be used in the computation CAM Conditioning: 1 x major assignment on the exercise principles from knowledge gained from the first year and applied towards a sport in the assignment Practical presentations – all aspects of strength and conditioning that has been lectured on must be presented practically by the student in a given scenario. Swimming 1 Assignment (50% of CAM) 1 Practical Evaluation (50% of CAM) Summative Assessment. 1 X 2 Hour Practical Exam Volleyball Practical assessment – will focus on game evaluation. Marks will be allocated for technique and competencies of skills. The Learner must be able to have a basic understanding of the principles to administer a coaching session, The assessment will also involve an oral exam. Conditioning: Students will be required to demonstrate and explain the practicals that were lectured to them in a provided scenario. The assessment will also involve an oral exam Swimming A practical and oral exam including the following components: - Conditioning - Stroke correction - Teaching swimming technique Exam mark : 40% Oral Exam and 60% Practical assessment. The CAM contributes 40% to the final mark for the module (Formative Assessment) The exam contributes 60% to the final mark (Summative Assessment) A final mark of 50% is required to gain credit for the module. A 40% subminimum for the exam, or component of the exam shall apply.
DP Requirement: A 75% attendance of lectures and practical classes and a continuous assessment mark (CAM) of at least 40% in each components in a module is required for a student to qualify for a DP

Practical Component level 2B

SSBR216 (0L-0T-39P-0S-16H-10R-13F-0G-2A-13W-8C)

Aim: Conditioning: To introduce the students to the basic tenets of scientific conditioning techniques for sport and the general population groups in a practical scenario Rugby: Acquisition of sports skills and coaching techniques for rugby.
Content: Conditioning: Important principles for exercise prescription, fitness testing, science of strength training, power training, speed power, endurance agility and flexibility. Practical application of all the above mentioned principles, periodisation, hazardous exercise. This is carried over from the 1st year of studies and progression is a key. Rugby: Theoretical knowledge and a practical "hands-on" experience of rugby. Coaching and conditioning of rugby will be included
Assessment: Formative assessment tasks 1 x major assignment Practical presentations. Rugby 1 x group presentation on a specific component of rugby (40%) 1 x theory test (60%) All other information pertaining to assessments will be explained in class Examination guidelines: Summative assessments 1st semester practical examinations. Rugby 1 x practical examination – The student will be tested on a practical component of rugby. Calculation of marks 1 assignment and practical presentations will be used to calculate the DP(formative) • The CAM contributes 40% to the final mark for the module (Formative Assessment) • The exam contributes 60% to the final mark (Summative Assessment) • A final mark of 50% is required to gain credit for the module. To qualify for supplementary examination a student must achieve a minimum mark of 40% in the final examination.
DP Requirement: A 75% attendance of lectures and practical classes and a continuous assessment mark (CAM) of at least 40% in each component is required for a student to qualify for a DP

Sport Psychology

SSBR311 (40L-11T-30P-0S-27H-30R-0F-20G-2A-13W-16C)

Aim: Sport Psychology is an important aspect of the programme. It helps the student in understanding mental skill training, helps with performance enhancement techniques, helps in overcoming psychological problems and gives and understanding of motor learning and variables that may affect motor learning.

Content: A study of the theoretical basis for Sport Psychology. Mental Skill Training. Performance enhancement techniques. Psychological problems. Nature of Motor Learning. Learning variables which may affect Motor Learning. Learning situations and their effect on Motor Skill Acquisition.

Assessment: Assessment Tasks There will three tasks. • Seminar 1 will be presented during the lecture periods. Seminar evaluation will be based on the content of the seminar as well as the presentation. • All other details pertaining to assessments will be explained in class. Examination Guidelines: Summative Assessment. 1 x 2 hour Exam Paper. Short questions, and essay type questions. Calculation of marks CAM allocation: • Seminar – 40% • Test 1 – 30% • Test 2 – 30% • The CAM contributes towards 40% of the final mark for the module (Formative Assessment) The exam contributes 60% to the final mark (Summative Assessment) A 40% subminimum for the exam, or component of the exam shall apply.

DP Requirement: A 75% attendance of lectures and practical classes and a continuous assessment mark (CAM) of at least 40% is required for a student to qualify for a DP.

Recreation

SSBR312 (36L-13T-3P-6S-40H-43R-12F-5G-2A-13W-16C)

Aim: To provide the learner with a sound fundamental knowledge of the concepts of Recreation, Play and Leisure and its application to community development with the emphasis on the benefits to the individual, community, economy and environment.

Content: The historical and philosophical perspectives of Recreation, Play and Leisure. The impact of Recreation programs on special population groups - youth at risk, the aged and children. Contribution of Community Recreation programs on community development and improved lifestyles.

Assessment: Formative Assessment Tasks • 2 x 1 hour tests • Assessment of seminar – evaluation will be based on the content as well as the presentation of the seminar. • 1 assignment • All details pertaining to assessments will be explained in class. Summative Assessment. 1 x 2 hour Exam Paper Application and Essay type questions Calculation of marks • CAM mark will be the average of the following:- Test 1 + Test 2 + 20% Camp assignment + 80% Seminar • The CAM contributes 40% to the final mark for the module (Formative Assessment) • The exam contributes 60% to the final mark (Summative Assessment) A 40% subminimum for the exam, or component of the exam shall apply.

DP Requirement: A 75% attendance of lectures and practical classes and a continuous assessment mark (CAM) of at least 40% is required for a student to qualify for a DP

Applied Exercise Physiology

SSBR313 (39L-30T-26P-10S-29H-14R-10F-0G-2A-15W-16C)

Aim: To provide the learner with sound scientific knowledge regarding research in exercise physiology and its application to Sport Performance

Content: Lectures and to read up information to re-inforce what is lectured in class. Explain difficult aspects and points Theoretical knowledge of Physiology from an exercise perspective

Assessment: Formative Assessment Tasks: Seminar presentations, two tests, one major assignment, 4 minor assignments. Test will be 1 hour long The average of all assessments are calculated for the CAM Marks will be available 9 days after paper has been written Summative Assessment: 1 x 2 hour written paper Questions will include both short questions and essay question, with essay type questions constituting 80% of the paper. Marks are awarded for application to the given question in a logical order of occurrence. Calculation of Marks The average of all assessments are calculated for the CAM The CAM contributes towards 40% of the final mark for the module (Formative Assessment) The exam contributes 60% to the final mark (Summative Assessment) A 40% subminimum for the exam, or component of the exam shall apply.

DP Requirement: A 75% attendance of lectures and practical classes and a continuous assessment mark (CAM) of at least 40% is required for a student to qualify for a DP.

Rehabilitation Science

SSBR314 (39L-30T-26P-8S-27H-10R-10F-7G-3A-13W-16C)

Aim: To introduce the student to the basic tenets of rehabilitation. It is extremely important for the learner as it provides him/her with a holistic approach to rehabilitation. The rehabilitation of injuries forms a focal point for biokinetics.

Content: Phases of healing, aqua therapy, basic yoga and Tai Chi (affects and techniques), isokinetic evaluation, flexibility and rehabilitation. The content is continually updated and there is an emphasis on applying the theory in a practical manner. This forms a solid foundation for post-graduate work in the biokinetic field.

Assessment: Formative Assessment Tasks 1 x Test (25% of CAM) 2 x posters (Both posters will account for 25% of CAM) 1 x Practical exam (50% of CAM) Summative Assessment. 1 x 3 hour exam paper Case studies and short questions Calculation of marks • The CAM contributes 40% to the final mark for the module (Formative Assessment) • The exam contributes 60% to the final mark (Summative Assessment) A 40% subminimum for the exam, or component of the exam shall apply. All other information pertaining to assessments will be explained in class

DP Requirement: A 75% attendance of lectures and practical classes and a continuous assessment mark (CAM) of at least 40% is required for a student to qualify for a DP.

Practical Component

SSBR315 W2 (9L-0T-30P-0S-52H-50R-13F-0G-6A-13W-16C)

Aim: Acquisition of sports skills and coaching techniques for selected codes of sport. Introduce the learner to basic scientific conditioning techniques for swimming and cricket. Conditioning The student will be facilitated in researching techniques for conditioning athletes involved in specific sporting codes, and will be required to apply previously learnt principles of conditioning to specific sporting codes

Content: Theoretical knowledge of sports codes. Practical, "hands-on" experience of various sporting codes. Coaching and conditioning for various sports.

Assessment: Formative Assessment Tasks Conditioning • Practical presentation (50% of CAM) • Written Assignment (50% of CAM) Swimming • 1 x major assignment (60% of CAM) • Practical presentations (40% of CAM) Cricket • 1 x major assignment (60% of CAM) • Practical presentations (40% of CAM) Summative Assessment. Conditioning • 1 X 2 Hour Practical Exam • Oral exam – assessment based on various conditioning techniques covered in the presentations. Swimming • 1 X 2 Hour Practical Exam • Practical Assessment - Stroke analysis in the following strokes: Freestyle, Backstroke, breaststroke, butterfly Cricket • 1 X 2 Hour Practical Exam • Practical assessment – Technical work and tactical assessment. Calculation of marks Conditioning CAM – constitutes 50%Practical presentation + 50% Written Assignment. Swimming CAM – constitutes 60% Assignment + 40% Practical Assessment. Cricket CAM – constitutes 60% Assignment + 40% Practical Assessment. The CAM for the module constitutes: 50% Conditioning + 25% Swimming + 25% Cricket • The CAM contributes 40% to the final mark for the module (Formative Assessment) • The exam contributes 60% to the final mark (Summative Assessment) A 40% subminimum for the exam, or component of the exam shall apply. All details pertaining to assessments will be explained in class.

DP Requirement: A 75% attendance of lectures and practical classes in each component of the module and a continuous assessment mark (CAM) of at least 40% in each component of the module is required for a student to qualify for a DP.

Practical Component

SSBR316 W2 (0L-0T-39P-0S-54H-50R-13F-0G-4A-13W-16C)

Aim: Acquisition of sport skills and coaching techniques for selected codes of sport.

Content: Theoretical knowledge of sport codes. Practical, 'hands-on' experience of various sporting codes. Coaching of sports.

Assessment: Formative Assessment Tasks Dance • 1 Practical Assessment on 4 folk dances The assessment will be used towards the CAM. Conditioning • Practical assessment (50% of CAM) • 4 Written assignments (25 marks each)(50% of CAM) Lifetime Activities • Attendance to the different activities (10% of CAM) Summative Assessment. Dance 1 X 2 Hour Practical Exam Practical Assessment – Student may choose one dance form and develop their own dance sequence. Conditioning • 1 X 2 Hour Practical Exam • Oral exam – assessment based on various conditioning techniques covered in the presentations. Calculation of marks Dance CAM - 100% of practical assessment Conditioning CAM – constitutes 50%Practical presentation + 50% Written Assignment. Lifetime Activities CAM – 10% of attendance to activities •

The CAM constitutes: 50% Conditioning + 40% Dance + 10% Lifetime Activities • The CAM contributes 40% to the final mark for the module (Formative Assessment) • The exam contributes 60% to the final mark (Summative Assessment) A 40% subminimum for the exam, or component of the exam shall apply. All details pertaining to assessments will be explained in class.
DP Requirement: A 75% attendance of lectures and practical classes in each component of the module and a continuous assessment mark (CAM) of at least 40%in each component of the module is required for a student to qualify for a DP.

Research Methods & Statistics

SSBR701 (26L-13T-0P-0S-52H-66R-0F-0G-3A-15W-16C)

Aim: To introduce the student to research methods and research tools, and to ways of analysing data for research.
Content: The module investigates various research methodologies, which are presented in sufficient detail so that it could be applied in research projects. Statistical methods and techniques are taught for the purpose of the analysis of research data.
Assessment: Class mark: Assessment of seminar presentations; final examination: one 3-hour written paper. A 40% subminimum for the exam, or component of the exam shall apply.
DP Requirement: Satisfactory attendance of scheduled meetings, and a class record mark of 40% or more.

Research Project

SSBR702 (0L-10T-0P-20S-250H-0R-39F-0G-1A-30W-32C)

Aim: To provide the student with an opportunity to demonstrate competence in applying research methods and data analysis through the formulation and presentation of a research project.
Content: This will be based on the student's field of specialization. The topic must be approved by the Discipline and the Faculty REHDC committee.
Assessment: Examination Guidelines: Summative Assessment. Students must hand in two copies (1 soft and 1 hard bound) of the project by the due date. Due Date: 26 October 2007 Calculation of marks The research project will be examined on the following guidelines: • Content: 50% • Presentation: 10% • Analytical analysis: 25% • Technical Details: 15% A 40% subminimum for the exam, or component of the exam shall apply.
DP Requirement: As per faculty rules.

Exercise Science

SSBR703 (26L-0T-30P-15S-36H-40R-10F-0G-3A-13W-16C)

Aim: To give learners an understanding of the scientific principles of exercise testing and prescription. To provide them with competence in conducting fitness assessments as well as planning and designing and executing exercise programmes for various populations. To equip the learner with skills and knowledge on advanced testing methods and exercise prescription. To encourage research into current trends of exercise testing and exercise prescription.
Content: Scientific principles related to exercise testing and prescription for various populations. Aetiology and risks related to various chronic diseases and how exercise may positively impact on each disease state as well as the exercise prescription thereof.
Practicals: As per lecturer schedule Practical application of scientific principles for exercise testing and prescription. Each session in the lecture schedule will be accompanied by a practical session relating to the topic covered. Lecturer: Mr M J Azmuth Practical sessions are used at the beginning of the semester to re-iterate basic standardized fitness test batteries, as a refresher to equip students to engage in testing of sports teams and gym members. Practical sessions are incorporated during the semester in conjunction with the theoretical aspects. The mode of delivery includes lectures, seminars and practicals. Attendance = 75% Learners are expected to research current literature especially journal articles, in groups, for seminar presentations. Learners can expect: • Input and assistance during the preparation and planning of the seminar presentations. • Individual assistance if required, outside lecture time
Assessment: Formative Assessment Tasks 1 x one hour test (60% contribution to CAM) 1 x seminar presentation (20% contribution to CAM) 1 x assignment (20% contribution to CAM) Seminar evaluation will be based on the content of the seminar as well as the presentation. All other details pertaining to assessments will be explained in class. Summative Assessment. 1 x 3 hour Exam Paper Case study presentations Essay Questions Calculation of marks • CAM:

Test – 60% contribution, Assignment – 20% contribution, Presentation – 20% contribution • The CAM contributes 40% to the final mark for the module (Formative Assessment) • The exam contributes 60% to the final mark (Summative Assessment) • A final mark of 50% is required to gain credit for the module. A 40% subminimum for the exam, or component of the exam shall apply.
DP Requirement: A 75% attendance of lectures and practical classes and a continuous assessment mark (CAM) of at least 40% is required for a student to qualify for a DP.
Students selecting Exercise Science will be required to complete an internship of at least 120 hours.

Exercise Physiology
SSBR704 (40L-8T-0P-17S-82H-10R-0F-0G-3A-13W-16C)
Aim: To introduce students to advanced research in exercise physiology and its application to Sport Performance
Content: Effects of exercise on the body. Environmental changes, hormonal responses, to exercise. Gender differences in sport Resistance training and exercise Physiological effects nutrition, drugs, aging in sport
Assessment: Formative Assessment Tasks 3 mini assignment and 1 test of 2 hours The average of all assessments are calculated for the CAM Marks will be available 9 days after paper has been written Summative Assessment 1 x 3 hour written paper Questions will include both short questions and essay question, with essay type questions Constituting 80% of the paper. Marks are awarded for application to the given question in a logical order of occurrence. Calculation of Marks The average of all assessments are calculated for the CAM The CAM contributes towards 40% of the final mark for the module (Formative Assessment) The exam contributes 60% to the final mark (Summative Assessment) A final mark of 50% is required to gain credit for the module. A 40% subminimum for the exam, or component of the exam shall apply.
DP Requirement: A 75% attendance of lectures and practical classes and a continuous assessment mark (CAM) of at least 40% is required for a student to qualify for a DP.

Motor Learning
SSBR705 (26L-13T-8P-10S-50H-50R-0F-0G-3A-15W-16C)
Aim: To achieve in the student a detailed understanding of how learning and the performance of motor skills occurs.
Content: A detailed study of learning variables which may affect motor learning. A comprehensive background to research in the field.
Practicals: Gymnasium work and laboratory training.
Assessment: Class mark: Seminar presentations; final examination: one 3-hour written paper. A 40% subminimum for the exam, or component of the exam shall apply.
DP Requirement: Satisfactory attendance of scheduled meetings, and a class record mark of 40% or more

Adapted Physical Activity
SSBR706 (26L-13T-13P-10S-41H-44R-10F-0G-3A-15W-16C)
Aim: A detailed knowledge of exceptional learners and current research trends.
Content: Current research trends in Adapted Programmes. Detailed research reviews of selected disabilities. Measurement and appraisal. Affective considerations, perceptual motor development and assistive devices.
Practicals: Teaching techniques through practical experiences with disabled children.
Assessment: Class mark: Seminar presentations; final examination: one 3-hour written paper. A 40% subminimum for the exam, or component of the exam shall apply.
DP Requirement: Satisfactory attendance of scheduled meetings, and a class record mark of 40% or more.

Sport Psychology
SSBR707 (30L-14T-10P-10S-40H-45R-8F-0G-3A-15W-16C)
Aim: To achieve a detailed understanding of psychological principles applicable to sport.
Content: Detailed understanding of theoretical basis for sport psychology. Performance enhancement with a detailed study of the research. Psychological problems.
Practicals: Practical laboratory work and relaxation techniques.
Assessment: Class mark: Seminar presentations; final examination: one 3-hour written paper. A 40% subminimum for the exam, or component of the exam shall apply.
DP Requirement: Satisfactory attendance of scheduled meetings, and a class record mark of 40% or more.

Biokinetics 1
SSBR708 (45L-0T-45P-4S-28H-28R-0F-6G-4A-15W-16C)
Aim: To make students competent in diagnosing and rehabilitating patients with orthopaedic problems. To equip students with skills in the field of administration, chronic disease, sport injuries and orthopaedic rehabilitation.
Content: Administrative concerns with respect to biokinetic practices. The principles of rehabilitation for chronic diseases. Aspects of sport injuries and orthopaedic rehabilitation.
Practicals: 45 hours in a clinical setting. Practical – 4 hours per week for 13 weeks.
Assessment: Seminar presentations; final examination: one 3-hour written paper. A 40% subminimum for the exam, or component of the exam shall apply.
DP Requirement: Satisfactory attendance of scheduled meetings, and a class record mark of 40% or more.

Biokinetics 2
SSBR709 (45L-0T-44P-3S-30H-28R-0F-6G-4A-15W-16C)
Aim: To make students competent in diagnosing and rehabilitating patients with orthopaedic problems.
Content: The principles of the diagnosis and rehabilitation of patients with orthopaedic problems.
Practicals: 45 hours in a clinical setting. Practical – 4 hours per week for 13 weeks.
Assessment: Class mark: Seminar presentations and an assignment; final examination: one 3-hour written paper. A 40% subminimum for the exam, or component of the exam shall apply.
DP Requirement: Satisfactory attendance of scheduled meetings, and a class record mark of 40% or more.

Leisure Services
SSBR710 (26L-0T-0P-6S-31H-34R-60F-0G-3A-15W-16C)
Aim: Detailed in-depth knowledge of and skills in recreation services.
Content: The leisure service profession, its structures and providers of recreation. Community recreation, sport and socialisation process. Therapeutic recreation services in ethical behaviour in sport and recreation. Current trends in the leisure and recreation movements.
Assessment: Class mark: Seminar presentations and evaluation of 120 hours of internship; final examination: one 3-hour written paper. A 40% subminimum for the exam, or component of the exam shall apply.
DP Requirement: Satisfactory attendance of scheduled meetings, and a class record mark of 40% or more.

Leisure Management
SSBR711 (26L-0T-0P-6S-31H-34R-60F-0G-3A-15W-16C)
Aim: Detailed study of the organisation and administration of leisure agencies, the philosophy of recreation and policies that govern recreation and leisure delivery.
Content: Facilities development and maintenance, public relations and programme planning and implementation. Marketing of leisure services, legal aspects concerning leisure, e.g. accidents and negligence claims.
Assessment: Class mark: Seminar presentations and evaluation of 120 hours of internship; final examination: one 3-hour written paper. A 40% subminimum for the exam, or component of the exam shall apply.
DP Requirement: Satisfactory attendance of scheduled meetings, and a class record mark of 40% or more.

Internship
SSBR712 (0L-30T-60P-10S-87H-45R-85F-0G-3A-30W-32C)
Aim: To equip students with the skills to apply the theoretical knowledge and the principles of exercise prescription and testing to varied populations and disease states as well as orthopaedic rehabilitation principles.
Content: Practical internship at sites in the community, with supervision of progress. Students will be trained in the practical application of knowledge learnt related to orthopaedic rehabilitation, chronic disease rehabilitation and exercise prescription and design for healthy and chronic-disease patients.
Practicals: This is essentially a practical/clinical module, with students being supervised on an ongoing basis.
Assessment: A 3-hour practical examination. A 40% subminimum for the exam, or component of the exam shall apply.
DP Requirement: Satisfactory attendance of scheduled meetings, and a class record mark of 40% or more.

Masters Research in Sport Science
SSBR8FY (0L-0T-0P-0S-0H-0R-0F-0G-0A-0W-0C)

Masters Research in Sport Science
SSBR8SY (0L-0T-0P-0S-0H-0R-0F-0G-0A-0W-0C)

MODULES FROM OTHER FACULTIES

In the Faculty of Science & Agriculture

Biochemistry

Offered in the School of Biochemistry, Genetics, Microbiology & Plant Pathology

Introductory Biochemistry and Microbiology
BIMI120 P2 W2 (36L-10T-36P-0S-55H-17R-0F-0G-6A-13W-16C)
Prerequisite: 40% in CHEM110.
Aim: To introduce students into the world of biochemistry and microbes.
Content: Major organic compounds of living organisms. Factors involved in biochemical reactions: thermodynamics, redox potential and enzymology; energy requirements for living organisms. Genes and their influence on the organism. Discovery of micro-organisms. Definitions, scope, principles and concepts in Bacteriology, Mycology, Virology and Microbial Biotechnology. Microbiological methods: from aseptic techniques to microscopy. Microbial growth. Role & applications of microorganisms in Agriculture, Industry and the Environment.
Practicals: Introduction to practical aspects of Biochemistry and Microbiology.
Assessment: Tests, reports and other class assignments (40%), 3 h exam (60%).
DP Requirement: Class mark of 40%, attendance at 80% of tutorials and practicals.
Offered in Semester 2.

Biochemistry for Optometry
BIOC200 W1 (39L-10T-0P-0S-21H-5R-0F-0G-5A-13W-8C)
Prerequisite: CHEM110, 120, BIOL101.
Aim: To provide an overview of Biochemistry to Optometry students.
Content: Chemistry and metabolism of carbohydrates, lipids, amino acids and proteins. Porphyrins, vitamins and cofactors. Introductory enzymology and kinetics. Protein synthesis, nucleic acids and introduction to genetic engineering. Selected clinical correlations.
Assessment: Theory test (50%), 2 h exam (50%).
DP Requirement: Class mark of 40%, attendance at 80% of tutorials and practicals.
Offered in Semester 1. For students in the Faculty of Health Sciences only.

Introduction to Biomolecules
BIOC201 P1 W1 (39L-10T-39P-0S-48H-18R-0F-0G-6A-13W-16C)
Prerequisite: BIMI120 or BIOL101, CHEM110, CHEM120.
Aim: To provide an insight into the molecular diversity in living systems.
Content: Hierarchy of chemical structures in prokaryotic and eukaryotic cells. Chemistry of carbohydrates, amino acids, peptides and proteins. Introductory enzymology and kinetics. Structure and function of vitamins and cofactors. Nucleic acid biochemistry and protein synthesis.
Practicals: Analyses of carbohydrates, amino acids, proteins and vitamins.
Assessment: Theory tests (25%), practical test and reports (25%) and 3 h exam (50%).
DP Requirement: Class mark of 40%, attendance at 80% of tutorials and practicals.
Offered in Semester 1. Credit may not be obtained for BIOC201 and BIOC203.

Bioenergetics and Integrated Metabolism

BIOC202 W2 (39L-10T-39P-0S-48H-18R-0F-0G-6A-13W-16C)

Prerequisite: BIMI120, BIOL101, CHEM110, CHEM120.
Aim: To introduce students to integrated biochemical pathways.
Content: The biosynthesis and oxidation of simple and complex lipids, lipid storage disorders. The metabolism of carbohydrates, amino acids, porphyrins, nucleotides and one-carbon fragments. Clinical correlations resulting from aberrations in individual metabolic pathways. Bioenergetics, regulation and control of metabolic pathways.
Practicals: Spetrophotometric techniques, electrophoresis and chromatography of serum and other metabolites.
Assessment: Theory test (25%), practical test and practical reports (25%) and 3 h exam (50%).
DP Requirement: Class mark of 40%, attendance at 80% of tutorials and practicals.
Offered in Semester 2. Credit may not be obtained for BIOC202 and BIOC203.

Microbiology

Offered in the School of Biochemistry, Genetics, Microbiology & Plant Pathology

Microbiology for Optometry

MICR182 W2 (39L-6T-6P-0S-23H-0R-0F-0G-6A-13W-8C)

Prerequisite: CHEM110, BIOL101.
Corequisite: CHEM120.
Aim: To provide an overview of the basic concepts of microbiology and the role of microbes in ocular disease.
Content: History of microbiology. Infection and prevention of infection. Basic characteristics of bacteria, fungi, viruses and protozoa. Bacterial cell structure and function. Bacterial growth, nutrition and control. Bacterial, viral, fungal, protozoan and helminth infections of the eye. Basic immunology and immunological disorders of the eye.
Practicals: Ubiquity of Microbes. Microscopic observation of bacteria and fungi. Aseptic Technique. Skin disinfection. Antibiotic sensitivity. Sterilisation and disinfection.
Assessment: Theory test (50%), 2 h exam (50%).
DP Requirement: 40% Class mark, 80% attendance at practicals.
Offered in Semester 2.

Bacteriology

MICR213 P1 W1 (36L-6T-36P-0S-53H-24R-0F-0G-5A-13W-16C)

Prerequisite: CHEM110, BIMI120 or BIOL101.
Aim: To provide a strong foundation in the field of bacteriology.
Content: Morphology and ultrastructure of bacteria; relationship of cellular structure to function. Physiological-nutritional groups among the bacteria. Cultivation of bacteria and elementary aspects of control of microorganisms. Introduction to microbial ecology and habitat specific species. Basic aspects of environmental microbiology. Metabolic pathways of industrial importance. Introduction to classification of bacteria. Basic bacteriological aspects of immunology.
Practicals: Handling bacteria; aseptic technique; cultural practices; staining procedures; microscopy.
Assessment: Tests, assignments, prac reports (33%), 3 h exam (67%).
DP Requirement: 40% Class mark, 80% attendance at practicals.
Offered in Semester 1.

Mycology

MICR216 W1 (39L-9T-39P-0S-54H-6R-6F-0G-7A-13W-16C)

Prerequisite: CHEM110, BIMI120 or BIOL101.
Aim: To introduce students to fungi and their importance.
Content: General characteristics of fungi. Principles and practice of fungal taxonomy. Importance of fungi. Fungal diseases of plants and humans. Symbiotic relationships - mycorrhizae and lichens.

Practicals: Microscopy. Fungal succession. Isolation, purification and identification of fungal cultures.
Assessment: 2 theory tests (25%), 2 practical tests, laboratory and practical reports (25%), 3 h exam (50%).
DP Requirement: 40% Class mark, 80% attendance at practicals.
Offered in Semester 2.

Microbial Metabolism and Ecology

MICR218 W2 (39L-9T-39P-0S-61H-6R-0F-0G-6A-13W-16C)

Prerequisite: CHEM110, BIMI120 or BIOL101.
Aim: To introduce the fundamental aspects of microbial ecology & metabolism.
Content: Energy needs for microbial cells, energy yielding sources for micro-oganisms. Energy utilization for biosynthetic processes. Bacterial enzymes & their regulation. Biogeochemical cycling of elements. Microbe & microbe-host interactions. Micro-organism in their natural habitat. Techniques for the study of microbial ecosystems.
Practicals: Winogradski column. Sauerkraut fermentation. Bacterial associations. Viscometric determination of enzyme activity. Protein determination; the Folin-Lowry method. Manometry. Determination of cellulase, dehydrogenase & protease activities.
Assessment: Theory tests (25%), Prac tests, lab & report writing (25%), 3 h exam (50%).
DP Requirement: 40% Class mark, 80% attendance at practicals.
Offered in Semester 1.

Advanced Bacteriology

MICR311 W1 (39L-9T-39P-0S-61H-6R-0F-0G-6A-13W-16C)

Prerequisite: MICR213, 218.
Aim: To introduce students to advanced topics in bacteriology.
Content: Bacterial taxonomy and the principles and practice of bacterial classification. Study of bacterial prokaryotic diversity and techniques involved in elucidating their diversity. Detailed study of prokaryotic cell structure and function. Archeabacteria.
Practicals: Identification of unknown bacterial cultures by use of dichomatous keys and API kits. Antibiotic sensitivity testing. Electron microscopy.
Assessment: Theory tests and assignments (25%), Practical tests and laboratory and report writing performance (25%), 3 h exam (50%).
DP Requirement: 40% Class mark, 80% attendance at practicals.
Offered in Semester 1.

Virology and Immunology

MICR312 W2 (39L-9T-39P-0S-51H-16R-0F-0G-6A-13W-16C)

Prerequisite: MICR213, 218.
Aim: To introduce viruses, viral diseases & control.
Content: Structure, chemical composition & classification of viruses. Generalised life cycle of viruses. Multiplication cycles of selected viruses. RNA and DNA tumour viruses. Prevention and control of viral infections. Innate and acquired immunity. Antigens and immunogenicity. Immunoglobulin structure. Development of cells of the immune system. The major histocompatibility complex. Humoral and cell-mediated immune response. The function of complement. Immune disorders.
Practicals: Culture of viruses. Haemagglutination & Haemagglutination Inhibition tests. Bacteriophage preparation & titration. Field trips.
Assessment: Tests (20%), Assignment (5%), Laboratory and report-writing (25%) and 3 h exam (50%).
DP Requirement: 40% in coursework and 80% attendance at practicals.
Offered in Semester 2.

Advanced Mycology

MICR313 W2 (39L-9T-39P-0S-53H-13R-0F-0G-7A-13W-16C)

Prerequisite: MICR216.
Aim: To introduce advanced topics in mycology.

Content: Fungal taxonomy & classification. Physiology & biochemistry of fungal cells. Environmental factors in growth, & reproduction. Fungal genetics: mechanisms of variability, gene-for-gene hypothesis, breeding for resistance, pathological alterations. Applied mycology: field fungi, storage fungi & crops of economic importance, mycotoxins, fungal diseases.
Practicals: Colonisation of buried cellophane, environmental factors in growth of F. oxysporum; Mycostasis using T. roseum; Isolation, identification of fungal cultures from seeds; Measurement of Amylase & Invertase in leaf tissues.
Assessment: 2 theory tests & assignments (25%), 2 practical tests, projects & prac reports (25%), 3 h exam (50%).
DP Requirement: 40% Class mark, 80% attendance at practicals.
Offered in Semester 1.

Biotechnology

MICR314 W2 (39L-9T-39P-0S-55H-6R-6F-0G-6A-13W-16C)

Prerequisite: MICR213, 218.
Aim: To provide concepts and applications in industrial & food microbiology.
Content: Principles of microbial genetics in biotechnology. Food microbiology: microbial spoilage, food preservation. Industrial microbiology: fermentation & technology, products of microbial dissimilation & synthesis. Environmental microbiology: waste & water management, biodegradability, bioremediation & biocontrol. Mineral & energy recovery.
Practicals: Analysis of river water: Membrane filtration & most probable number techniques. Analysis of foods. Design of fermentation equipment. Yeast biomass production by aerobic fermentation. Field trips.
Assessment: Theory tests & assignments (25%), prac tests, lab & report writing (25%). 3 h exam (50%).
DP Requirement: 40% in coursework and 80% attendance at practicals.
Offered in Semester 2.

Biological Sciences

Offered in the School of Biological & Conservation Sciences

Introductory Biology for Health Sciences

BIOL103 W1 (39L-10T-39P-0S-60H-4R-0F-0G-8A-13W-16C)

Aim: To introduce students to a range of biological topics pertinent to the health sciences.
Content: This module comprises three themes: history and diversity of life, cytology and genetics. Where possible students are shown how these topics apply to real-life situations.
Practicals: Viruses, Archaea, Bacteria, Eukaryotes, Protista, Fungi, Rhodae, Stromenopilae, spore-producing and seed-producing Plantae, biomolecules, mitosis and meiosis, membrane structure and function, structure of plant and animal cells, Hardy-Weinberg principle.
Assessment: Theory tests (20%), assignment (5%), practical reports (10%), 3 h practical exam (25%), 3 h theory exam (40%).
DP Requirement: Class mark of 40%; attendance at 80% of tutorials and practicals.
Service module for Faculty of Health Sciences, not available in the Faculty of Science and Agriculture. Subminimum to pass: 40% in each exam.

Population Ecology

BIOL203 P2 W2 (31L-5T-45P-0S-58H-15R-0F-0G-6A-13W-16C)

Prerequisite: 64 C at Level 1 including BIOL102; BIOL200 or BMET210.
Aim: To introduce principles and concepts of population ecology, and their practical application, in relation to single-species populations and two-species population interactions.
Content: Determinants of species distributions and abundances. Abiotic conditions, consumable resources. Population demography - growth, growth models, limits to growth; Intra-specific competition; inter-specific competition, predation, and host-parasite interactions and controlling influences. Application of population ecology principles to species harvesting and/or pest control and/or species conservation.

Practicals: Skills covering the above concepts; field trip(s).
Assessment: Tests (20%), practical reports (30%); 3 h exam (50%).
DP Requirement: Class mark of 40%.
Offered in Semester 2. Subminimum to pass: 40% in exam. Students may be required to contribute to the cost of the field trips.

Plant and Animal Ecophysiology

BIOL204 P1 W1 (27L-3T-36P-0S-73H-15R-0F-0G-6A-13W-16C)

Prerequisite: 64C at Level 1 including BIOL101, 102.
Aim: To provide a basic understanding of major physiological processes of plants and animals, and their relevance, in relation to environmental fluctuations.
Content: Topics from, but not restricted to: Plants: physical environment; growth; photosynthesis; mineral nutrition; water relations; stomatal physiology. Animals: Homeostasis & control theory; thermoregulation; osmoregulation, excretion; circulation; respiration; energy metabolism; endocrinology, nervous system. Application of key concepts to society.
Practicals: Skills covering the above concepts.
Assessment: Tests (12%), practical assessments, practical reports and scientific reports (38%); 3 h exam (50%).
DP Requirement: Class mark of 40%.
Offered in Semester 1. Subminimum to pass: 40% in exam. Credit may not be obtained for BIOL204 and BIOL216.

Chemistry

Offered in the School of Chemistry

General Principles of Chemistry

CHEM110 P1 W1 (36L-9T-36P-0S-44H-30R-0F-0G-5A-13W-16C)

Aim: To introduce the principles and practice of chemistry.
Content: Introduction to: quantitative chemistry, types of reaction, atomic spectroscopy, electronic configuration, bonding, gases, thermochemistry, kinetics, and gas and solution equilibria.
Practicals: Volumetric analysis, measurement of physical quantities, shapes of molecules.
Assessment: Tests (8%), practical reports (25%), 3 h exam (67%).
DP Requirement: Class mark 40%, 80% attendance at practicals.
Offered in Semester 1. Credit may not be obtained for CHEM110 and CHEM161.

Chemical Reactivity

CHEM120 P2 W2 (36L-9T-36P-0S-44H-30R-0F-0G-5A-13W-16C)

Prerequisite: At least 40% in CHEM110.
Aim: To present the physical and descriptive inorganic and organic aspects of introductory chemistry.
Content: Phase equilibria and colligative properties, buffers, electrochemistry, nomenclature, reactions, main group elements, solid state structures, acid/base behaviour of oxides, and industrial chemistry of sulfur, phosphorus, nitrogen and the halogens.
Practicals: Physical measurements, qualitative analysis, organic techniques.
Assessment: Tests (8%), practical reports (25%), 3 h exam (67%).
DP Requirement: Class mark 40%, 80% attendance at practicals.
Offered in Semester 2. Credit may not be obtained for CHEM120 and CHEM171.

Mathematics

Offered in the School of Mathematical Sciences

Mathematics & Statistics for Natural Sciences

MATH133 P1 W1 (39L-39T-0P-0S-56H-20R-0F-0G-6A-13W-16C)

Prerequisite: Higher Grade E or Standard Grade B for Matric Mathematics.
Aim: To introduce students to the fundamental principles, methods, procedures and techniques of mathematics and statistics as the language of Science.
Content: Mathematics (2/3): Basic functions. Solving equations and inequalities. Curve sketching. Binomial theorem. Definition and techniques of differentiation; concavity; the second derivative test; maxima, minima. Matrices. Solving systems of equations. Statistics (1/3): Problem solving using descriptive statistics and probability concepts.
Assessment: Class tests and/or assignments (33%), 3 h exam (67%).
DP Requirement: 35% Class mark, 80% attendance at lectures & tutorials.
Offered in Semester 1. Credit may not be obtained for MATH133 and any of MATH104, 130,131, 134, 137 or 195.

Physics

Offered in the School of Physics

Intro Physics for Life Sciences & Agriculture

PHYS131 P1 W1 (39L-9T-36P-0S-56H-15R-0F-0G-5A-13W-16C)

Aim: To introduce basic concepts in mechanics, geometrical optics, and thermal physics.
Content: Mechanics: fundamental units, vectors, scalars, kinematics, particle dynamics, gravitation, work, energy, momentum, simple harmonic motion, equilibrium of rigid bodies, wave fundamentals, rotational motion, angular momentum, hydrostatics, elastic properties of materials, surface tension. Geometrical Optics: reflection, refraction, thin lenses, mirrors, prisms, optical instruments, the eye. Thermal Physics: temperature, heat, calorimetry, thermal expansion, conduction, radiation, ideal gases, thermodynamics.
Assessment: 3 h exam (70%), tests (25%), practical reports (5%).
DP Requirement: Class mark 40%, 100% attendance at tests, 80% attendance at lectures, tutorials and practicals.
Offered in Semester 1. Note: For the purposes of serving as prerequisite for other modules, a result of 60% or more will be regarded as equivalent to PHYS110.

Electromagnetism & Modern Phys. for Life Sci.

PHYS132 W2 (39L-9T-36P-0S-56H-15R-0F-0G-5A-13W-16C)

Prerequisite: PHYS131 or PHYS110.
Aim: To introduce the basic concepts of electricity, magnetism, physical optics and modern physics.
Content: Electricity and Magnetism: charge, Coulomb's law, electric field, Gauss' law, electric potential, capacitance, resistance, Ohm's law, dc circuits, Kirchhoff's rules, ammeters, voltmeters, Ampère's law, Faraday's law, inductance. Waves: transverse, longitudinal, travelling, standing, beats, Doppler effect. Physical Optics: interference, diffraction, polarisation. Modern physics: photoelectric effect, Bohr model of hydrogen atom, nucleus, radiation, elementary particles, aspects of astronomy and cosmology.
Assessment: 3 h exam (70%), tests (25%), practical reports (5%).
DP Requirement: Class mark 40%, 100% attendance at tests, 80% attendance at lectures, tutorials and practicals.
Offered in Semester 2. Note: For the purposes of serving as prerequisite for other modules, a result of 60% or more will be regarded as equivalent to PHYS120.

Physics for Optometry

PHYS139 W1 (39L-9T-36P-0S-57H-15R-0F-0G-4A-13W-16C)

Aim: To introduce basic concepts in mechanics, geometrical optics, and physical optics.

Content: Mechanics: Scalars and vectors, 1-D kinematics, equilibrium and dynamics, 2-D kinematics, rotational motion, work, energy, power, momentum, simple harmonic motion, spring systems. Optics: Reflection and refraction of light, image production, lens maker's equation, defects of the eye, myopia, hypermetropia, wave optics, polarization, interference, diffraction, thin lenses, optical instruments.

Assessment: 3 h exam (80%), Class mark (20%).

DP Requirement: 40% Class mark. Attendance at all tests; at least 80% attendance at lectures, tutorials and practicals.

Offered in Semester 1. Offered to students in the Faculty of Health Sciences only.

In the NRM School of Medicine

Therapeutics & Medicines Management

Offered in the School of Family & Public Health

Pharmacology

TAMM21N MY (29L-10T-39P-0S-76H-0R-0F-0G-6A-0W-16C)

Aim: The course introduces students to the main concepts in clinical pharmacology. Although the course is offered by the pharmacists and physicians (with post graduate training in clinical pharmacology), focus is on practical and clinical pharmacology relevant to nurses.

Content: Topics covered include; general pharmacology principles (pharmocokinetics and pharmacodynamics), dosage calculations, drugs used for management of diseases affecting main systems (cardiovascular, respiratory, gastrointestinal tract, central and peripheral nervous, reproductive, etc.), antimicrobials, anthihelminthics, cytotoxics, antidiabetic agents, steroids and drug legislations relevant to nurses.

Practicals: None

Assessment: Assessment is in a form of; (1) Formative assessments (tutorials); Lecturers provide tutorials from time to time for students. These tutorials are not complusory and do not contribute towards DP or Exam. (2) Two class tests; The first test is written in May and the second one in August/September. Test 1 contributes 10% towards final exam mark. Test 2 contributes 20% towards final exam mark and it is cumulative; meaning, the work covered in test 1 is also assessed in test 2. (3) Project (assignment). An assignment is aimed mainly at helping students with more practical work; dosage calculations and/or handling of injectable antibiotics in the wards. This project contributes 10% towards final mark, if the mark obtained is higher than that obtained in test 1. (4) Examinations; Examination, which contributes 70% towards the final mark, is written at the end of the year (November) and covers all topics done during the year. (5) Supplementary Examination; This is written by students who qualify to write supplementary examinations in accordance with rule R18(1)(a)(2): 2003

DP Requirement: Rule NURS4 (b) shall apply - candidates must attend at least 75% of all classes, 100% in the clinical setting, save those from which they have been officially excused.

In the Faculty of Humanities, Development & Social Sciences

Isizulu Studies

Offered in the School of Isizulu Studies

Bridging IsiZulu A

ZULM103 H1 P1 W1 W2 (39L-10T-0P-0S-102H-5R-0F-0G-4A-13W-16C)

Prerequisite: Competent IsiZulu speakers who have little or no experience with IsiZulu grammar, reading or writing.
Aim: To bridge the gap between spoken competence and shortcomings in writing and reading IsiZulu.
Content: Grammar lectures; highly structured reading programme with written reinforcement.
Assessment: Class work: 40% Examination: 60%
DP Requirement: Students must submit of all written work on time and must comply with the attendance requirements for the School of IsiZulu Studies.

Basic IsiZulu Language Studies A

ZULN101 H1 P1 WB (39L-10T-19P-0S-74H-5R-6F-0G-7A-13W-16C)

Prerequisite: Open to students who have not written an Nguni mother tongue Grade 12 examination.
Aim: To achieve elementary fluency in both the oral and the written language through intensive training with audio-visual programmed material.
Content: This module introduces basic grammar, history and culture of the amaZulu. Lectures combine an academic study of IsiZulu with the use of a communicative method of language learning.
Assessment: Class work: 40% Examination: 60%
DP Requirement: Students must submit of all written work on time and must comply with the attendance requirements for the School of IsiZulu Studies.
Core module for the major in IsiZulu Studies

English Language Development

Offered in the School of Language, Literature & Linguistics

English Language Development B

ELDV100 HB PB WB (59L-0T-0P-0S-92H-4R-0F-0G-5A-13W-16C)

Aim: The purpose of this module is to develop further the English language proficiency of students selected for the Access Programme in the Humanities and the Social Sciences. It is also available to mainstream English second-language students who have done English as a second language for Grade 12.
Content: This module builds on the skills developed in English Language Development A. The focus is on intermediate English grammar, reading of discursive and extended texts, comprehension of typical academic spoken English, essay writing and oral presentations.
Assessment: One 3-hour examination: 33%: Cumulative 67%
DP Requirement: 90% attendance; Completion of all assessment tasks
Offered as part of the Humanities Access Programme.

Political Science

Offered in the School of Politics

Introduction to Global Politics

POLS102 H2 P2 W2 (30L-10T-0P-0S-90H-24R-0F-0G-6A-13W-16C)

Aim: To introduce students to the global/international context of politics; to provide students with the relevant theoretical and conceptual knowledge; students will develop an awareness of the multiple forces that shape global politics.

Content: Aspects of the global political system; the social and economic forces that shape global politics.

Assessment: Coursework (60%) (This may include tests, essays and tutorial assignments/participation); examination (40%).

DP Requirement: Submission of all written work on time. 75% attendance of lectures and 100% attendance of tutorials.

Compulsory for majors. Offered at Westville in 2008 subject to teaching staff availability.

Psychology

Offered in the School of Psychology

Introduction to Psychology A

PSYC101 H1 P1 W1 (30L-10T-0P-0S-60H-56R-0F-0G-4A-13W-16C)

Aim: A general introduction to the discipline: Part One

Content: A selection of topics from: Schools of thought in Psychology; Biological bases of behaviour; Cognition inter alia: perception; learning and memory; thinking and language; intelligence; psychological research; Organisational psychology.

Assessment: Cumulative assessment (40%) Examination (60%)

DP Requirement: As per School of Psychology rules

Introduction to Psychology B

PSYC102 H2 P2 W2 (30L-10T-0P-0S-60H-56R-0F-0G-4A-13W-16C)

Aim: A general introduction to the discipline: Part Two

Content: A selection of topics from: Human development; Personality theories; Social Psychology; Community Mental Health; Health, Risk and Coping; Psychopathology.

Assessment: Cumulative assessment (40%) Examination (60%)

DP Requirement: As per School of Psychology rules

Introduction to Research

PSYC201 H1 P1 (15L-3T-25P-0S-62H-52R-0F-0G-3A-13W-16C)

Aim: To introduce students to basic principles of qualitative and quantitative research design and analysis for the social sciences.

Content: The module introduces students to perspectives in social science research including issues of research design, research ethics and quantitative and qualitative methods of analysis. The statistics component of the syllabus explores a variety of elementary graphical and mathematical statistical procedures, including, inter alia, frequency displays, measures of central tendency and variability, sampling distributions, two-group inferential tests and measures of association.

Assessment: Cumulative assessment (40%) Examination (60%)

DP Requirement: As per School of Psychology rules

Social Psychology

PSYC202 H1 P2 (14L-0T-0P-0S-30H-24R-0F-0G-12A-6W-8C)

Aim: An introduction to social psychology, focusing on social and psychological aspects of inter-group relations.
Content: The course explores a variety of ways of understanding the relationship between psychology and social life. The various explanatory models are assessed in terms of their relative usefulness in helping us develop a truly social psychology – one that is able to link the understanding of individuals and groups to the social and cultural context in which they exist. These theoretical frameworks are discussed in relation to contemporary social issues.
Assessment: Cumulative assessment (40%) Examination (60%)
DP Requirement: As per School of Psychology rules

Developmental Psychology

PSYC203 H1 P1 W2 (20L-6T-0P-0S-30H-20R-0F-0G-4A-6W-8C)

Aim: To introduce learners to child and adult psychosocial development with the objective of acquiring a critical and informed knowledge base from which to apply child development themes, theories and methodologies within the South African context.
Content: An understanding of the processes of psychosocial changes over the life span especially during childhood and adolescence will be the major focus, enabling the learner to contextualise other studies of human behaviour within a developmental time frame. It draws on several theories of development to introduce learners to some of the conceptual and research issues within developmental psychology.
Assessment: Cumulative assessment (40%) Examination (60%)
DP Requirement: As per School of Psychology rules

Managing Health Behaviour

PSYC332 W2 (20L-6T-0P-0S-30H-20R-0F-0G-4A-6W-8C)

Aim: To provide students with an understanding of the psychosocial determinants of health and illness, adjustment to health problems and treatment adherence as well as to develop communication skills to enhance the clinical relationship.
Content: The module covers the biopsychosocial model of illness; understanding social and cultural influences on health; models of health behaviour; dynamics of health behaviour (i.e. issues of adherence/non-adherence); understanding the fundamentals of clinical communication; as well as developing skills to enhance the clinical relationship.
Assessment: Cumulative assessment (40%) Examination (60%)
DP Requirement: As per School of Psychology rules
Service course for the Faculty of Health Sciences

Community Psychology

PSYC333 H1 (8L-0T-3P-0S-35H-31R-0F-0G-3A-6W-8C)

Content: The module will cover the historical development ad various theories and approaches within community psychology. In addition, community-based interventions are critically explored.
Assessment: Cumulative assessment (40%) Examination (60%)
DP Requirement: As per School of Psychology rules

Psychopathology

PSYC335 H1 (19L-0T-0P-0S-37H-21R-0F-0G-3A-6W-8C)

Aim: To equip students with theoretical knowledge for the counselling situation.
Content: Introduction and overview of the various theoretical approaches to individual and group counselling; the varying counselling contexts and populations.
Assessment: Cumulative assessment (40%) Examination (60%)
DP Requirement: As per School of Psychology rules

Social Work

Offered in the School of Social Work & Community Development

Psychosocial orientation for Health care
SOWK111 (0L-0T-0P-0S-160H-0R-0F-0G-0A-0W-16C)

In the Faculty of Management Studies

Information Systems & Technology

Offered in the School of Information Systems & Technology

End User Computing
ISTN100 WB, PB (29L-8T-20P-0S-26H-72R-0F-0G-5A-13W-16C)
Prerequisite: None
Aim: To emphasise the use of computers as integrated productivity tools and introduce end-user computing definitions and concepts.
Content: Basic end-user computing concepts. Computer hardware (input, processing, output and storage). Theory and application of systems software (operating systems) and applications software (word processing, spreadsheets, presentation graphics, database, internet and email). Information networks and data communications. Databases and database management systems.
Practicals: Computer-based exercises on the above topics.
Assessment: 2 h exam (50%), tests & assignments (50%).
DP Requirement: Students must obtain a class record of at least 40%.

Management

Offered in the School of Management

Management 110
MGNT101 W1 (39L-12T-0P-0S-90H-12R-0F-0G-7A-13W-16C)
Content: This course takes current business practice as a basis for developing basic business knowledge, critical thinking, and effective language skills within an integrated, interdisciplinary core module.
Assessment: Tests and/or Assignments (33%); 3hr Exam (67%)

Management 120
MGNT102 P1 P2 W2 (39L-12T-0P-0S-90H-12R-0F-0G-7A-13W-16C)
Content: The aim of this module is to provide learners with an introduction to the development of management theory and the work of managers.
Assessment: 1 Test and 1 Assignment (33%); 3hr Examination (67%)
DP Requirement: Refer to Course Material

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