



 **DUT**
DURBAN
UNIVERSITY OF
TECHNOLOGY

 **FACULTY OF
HEALTH
SCIENCES**

2019 HANDBOOK CHIROPRACTIC

HANDBOOK FOR 2019

FACULTY OF HEALTH SCIENCES

**DEPARTMENT of
CHIROPRACTIC**

What is a University of Technology?

A university of technology is characterized by being research informed rather than research driven where the focus is on strategic and applied research that can be translated into professional practice. Furthermore, research output is commercialized thus providing a source of income for the institution. Learning programmes, in which the emphasis on technological capability is as important as cognitive skills, are developed around graduate profiles as defined by industry and the professions.

NOTE TO ALL REGISTERED STUDENTS

Your registration is in accordance with all current rules of the Institution. If, for whatever reason, you do not register consecutively for every year/semester of your programme, your existing registration contract with the Institution will cease. Your re-registration anytime thereafter will be at the discretion of the institution and, if permitted, will be in accordance with the rules applicable at that time.

IMPORTANT NOTICES

The rules in this departmental handbook must be read in conjunction with the General Rules (G Rules) contained in the Durban University of Technology (DUT) General Handbook for Students as well as the relevant subject Study Guides. In terms of process and procedure in dealing with student issues, your attention is specifically drawn to Rule G1 (8).

(Included w.e.f. 2004/01)

FACULTY of HEALTH SCIENCES

FACULTY VISION, MISSION, GOALS AND VALUES

(November 2012 for 2013-2018)

VISION

“Leading Transformative and Innovative Health Sciences Education”

MISSION

“Developing Holistic Professionals responsive to Healthcare needs”

through *Excellence* in:
Teaching and Learning
Research, Innovation and Engagement
Fostering Entrepreneurship

VALUES

Professionalism

(To work within regulatory frameworks of professional conduct.
To maintain and develop professional expertise and good work ethic.)

Integrity

(To conduct ourselves with strong moral principles.
To be honest and authentic.
To do what is ethical and just.)

Ubuntu

(To treat people with respect, fairness, courtesy, politeness and kindness.)

Transparency

(To conduct ourselves with openness and honesty through shared governance.)

Accountability

(To accept responsibility for one’s actions.)

DEPARTMENTAL MISSION and GOALS

CHIROPRACTIC PROGRAMME

Vision

Global Leaders in Chiropractic Education and Scholarship

Mission

“Developing Chiropractors for Holistic Neuro-Musculoskeletal Health Care”

Through:

Evidence-based Teaching and Learning

Innovative Research

Responsive Engagement and Collaboration with Communities

Values

Professionalism

(To abide by professional and regulatory frameworks, ethics and good practices.)

Integrity

(To demonstrate qualities of good character and honesty.)

Accountability

(To be responsible and answerable for our choices, actions and behaviours.)

Transformation

(Being able to adapt to change in an evolving healthcare system)

uBuntu

(Respect, goodness and goodwill to all)

Chiropractic Cares

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I. DEPARTMENTAL & FACULTY CONTACT DETAILS

All Department queries to:

Secretary: Ms Kershnee Pillay (Chiropractic)
Tel No: (031) 373 2094
Fax No: (031) 202 3632
Email: kershp@dut.ac.za / chiropractic@dut.ac.za
Location of Department: Department of Chiropractic, Room DG2207, Mansfield Site Area, Ritson Road Campus

All Faculty queries to:

Faculty Officer: Mrs F Mayisela
Tel No: (031) 373 2701
Fax No: (031) 373 2407
Email: thembim@dut.ac.za
Location: Health Sciences Faculty Office; Gate 8, Steve Biko Rd, Mansfield Site Area, Ritson Campus

Executive Dean: Professor Sibiya
Executive Dean's Secretary: Mrs Bilkish Khan
Tel No: (031) 373 2704
Fax No: (031) 373 2620
Email: bilkishk@dut.ac.za
Location: Executive Dean's Office, DG 2208, Mansfield Site Area, Ritson Campus

2. STAFFING Name and Qualification

**Chiropractic Department
Head of Department**

Dr L O'Connor, MTech: Chiropractic (DIT)
(Acting)

Senior Lecturers

Dr C Korporaal, MTech: Chiropractic (TN)

Dr A Docrat, MTech: Chiropractic (TN)

Lecturers

Dr A Abdul-Rasheed, MTech: Chiropractic (DUT)

Dr D Varatharajulu, MTech: Chiropractic (DUT)

Dr C Prince, MTech: Chiropractic (DUT)

Dr Y Venketsamy, MTech: Chiropractic (DUT)

Clinic Staff

Mrs L Twiggs

Mrs A. Makhonza, N. Dip: Office management (DUT)

Finance Administrator

Mrs W Drake, N. Dip: Horticulture (TN)

Secretary

Ms K Pillay, BTech Comm: Admin (MLS)

3. DEPARTMENTAL INFORMATION & RULES

3.1. Qualifications offered by the department

Learning programmes are offered in this Department which will, upon successful completion, lead to the award of the following qualifications.

CHIROPRACTIC:					
Qualification	Qualification Code	SAQA Number	NLRD	Important lines	Time
ND: Chiropractic	NDCHRI	72171			
ND: Chiropractic (ECP)	NDCHFI	72171			
BTech: Chiropractic	BTCHRI	72171			
MTech: Chiropractic	MTCHRI	72171			
DTech: Chiropractic	DTCHRI	72093			
BHSc : Chiropractic	Pending	Pending		Awaiting approval	
MHSc : Chiropractic	Pending	Pending		Awaiting approval	
PhD : Chiropractic	Pending	Pending		Awaiting approval	

NB: As indicated in the table above representing the Chiropractic qualifications, there is a single SAQA number assigned to all learning programmes below Master's level. There are no exit levels prior to the awarding of the Master's degree. The only other qualification that will be awarded in Chiropractic is the Master's Degree in Technology. This is in accordance with Professional Board requirements. Act 63 of 1982 (as amended), with particular reference to Regulations R629, Government Gazette No 11221 of 31 March 1988.

3.2 Departmental Information

3.2.1 Academic Integrity

Please refer to the General Rules pertaining to academic integrity G13(1)(o). These will be enforced wherever necessary to safeguard the worthiness of our qualifications, and the integrity of the Faculty of Health Sciences at the DUT.

3.2.2 Code of Conduct for Students

In addition to the General Rules pertaining to Student Conduct SR3 (3), a professional code of conduct pertaining to behaviour, appearance, personal hygiene and dress shall apply to all students registered with the Faculty of Health Sciences, at all times. Conduct pertaining to a specific class, laboratory or clinic at the University, as set by a Department, shall apply to all students registered for the particular subject affected.

3.2.3 Attendance

Students are encouraged to achieve 100% attendance for all planned academic activities as these are designed to provide optimal support for the required competency. Where absence is unavoidable, the student must advise the

department timeously of the reason. Only exceptional reasons will be accepted for absence from guest lectures, industry or field trips. Poor attendance records may lead to penalties.

3.2.4 Health and Safety

Students must adhere to all Health and Safety regulations both while at DUT, in the Departmental Clinics, in Community engagement events, and in WIL placements. Failure to do so will be treated as a breach of discipline.

3.2.5 Work Integrated Learning (WIL)

WIL or clinical practical work forms part of the programmes within the Chiropractic programmes. In addition to Rule G28, the student must comply with the rules and regulations as set out in the relevant environment where placed.

3.2.6 Student Appeals

Rule G1 (8) refers to:

Any student wishing to appeal against:

- (a) the implementation of an Institutional Rule must do so in the first instance to the relevant Head of Department;
- (b) the decision of a Head of Department must do so via the relevant Executive Dean to the Faculty Board or a delegated Committee of The Faculty Board. The decision of the Faculty Board or a delegated Committee of the Faculty Board is final and no further appeals will be considered thereafter. *(Amended w.e.f. 2009/01)*

4. PROGRAMME RULES

Note these rules are applicable to all programmes within the Chiropractic Department.

4.1 Registration

All registered students within the Chiropractic Department are required to register annually as student chiropractors with the Allied Health Professions Council of South Africa. This is required to be completed within two weeks of registration as a student with the programme. This is a constituted requirement of Act 63 of 1982 (as amended), with particular reference to Regulations R629, Government Gazette No 11221 of 31 March 1988. Consequences of failure to register could include non-registration as a practitioner once the MTech: Chiropractic qualification is obtained. *(Amended w.e.f. 2006/05)*

4.2 Work Done During the Year/Semester

1. The calculation of the year/semester mark for each subject for the purpose of issuing a certificate in terms of Rule G12 is indicated with the syllabus of each subject (Section 11).
2. In addition to the general requirements for a year/semester mark as stipulated in Rule G12, the requirements of G12 (2) shall include:
 - (i) Adequate attendance at lectures, tutorials, practicals and clinical sessions. Lecturers are under no obligation to repeat learning sessions or provide learning materials missed as a result of student absenteeism.
 - (ii) The compulsory attendance at all functions, organized outings and educational tours arranged by the Department (any cost involvement will be the responsibility of the student).

(Amended w.e.f. 2004/01)

4.3 Conduct of Student in Laboratory and Clinic

Rules of conduct pertaining to a specific laboratory, as instituted by the Head of a Department, shall apply to all students registered for the particular subject. Similarly the rules pertaining to the Chiropractic Day Clinic as set out in the Clinic Manual or by official notice shall apply to all students completing WIL in the Clinic. *(Amended w.e.f. 95/01)*

4.4 Student Conduct and Dress

Students must at all times conduct themselves as future professionals and dress accordingly. Students shall adhere to specific instructions by a Head of Department regarding specific conduct or attire required during practical and clinic sessions (for specific rules please refer to the relevant Study Guide or Clinic Manual).

(Amended w.e.f. 95/01)

4.5 Examinations

1. The examination in each subject shall consist of the theory and/or practical and/or oral examinations as indicated with the syllabus of each subject published in this handbook (Section I I).
2. The calculation of the final mark shall be according to Rule G12 and G13 except where the rules for a particular programme state otherwise.

(Amended w.e.f. 1995/01)

4.6 Clinical Subjects

Only students registered with the Chiropractic Department may register for subjects offered by the Programme, except where such subjects are also part of the homoeopathic curriculum. *(Amended w.e.f. 1998/01)*

4.7 Dissertations

On submitting the bound copies of their research dissertation to the Faculty Research Officer, students shall at the same time hand to the Officer an abstract. *(Included w.e.f. 2000/01)*

4.8 Clinic Manual

The rules and guidelines of the Clinic Manual are binding on all persons referred to therein. *(Included w.e.f. 1996/01)*

4.9 Special Tests and Condonement

A special test may be granted by the relevant service or programme Head of Department / Head of Programme, to a student who has been prevented from taking a test:

1. by illness on the day of the test or immediately before it, provided that he/she submits a medical certificate on the form prescribed by the University, on which a medical practitioner, registered by the Health Professions Council of South Africa, homoeopath or chiropractor registered with The Allied Health Professions Council of South Africa, specifies the nature and duration of the illness and that for health reasons it was impossible or undesirable for the student to sit for the test, and that he/she submits such certificate to the lecturer/s concerned on the day as determined by the practitioner that the student should return to lectures immediately following such illness; or
2. by circumstances which in the opinion of the Head of Department / Head of Programme were beyond his/her control at the time of the test provided that satisfactory evidence of such circumstances is provided. Such circumstances shall not include:
 - (i) any misinterpretation by him/her of the date, time or venue of the test;
 - (ii) transportation difficulties.

In addition the Head of Department / Head of Programme may grant a special test to students with borderline academic results. The special test may take the form of an oral test, may be set at the end of the

period of registration, and may include a wider scope of work than the original test. A student who qualifies for a special test granted for borderline academic results, but fails to write it, or achieves lower than their original results, shall be awarded their original results.

Any student who misses an assessment and who does not qualify for a special test, and any student who qualifies for a special test but fails to write it, shall be awarded a zero mark for the missed assessment.

For the purpose of this rule “test” shall mean any written or oral test or practical, set for the purposes of determining or contributing towards a semester or year mark for the subject, and shall include tests set for subjects which are evaluated by continuous evaluation.

(Amended w.e.f. 2003/01)

4.10 Student Appeals

In terms of process and procedure in dealing with student issues, your attention is specifically drawn to Rule GI (8).

5. NATIONAL DIPLOMA: CHIROPRACTIC (NDCHRI)

5.1 Purpose of the Programme

Successful completion of the ND: Chiropractic shall allow diploma status but no diploma will be awarded or issued nor will the holder be able to register as a chiropractor. This is a constituted requirement of the Allied Health Professions Act 63 of 1982 (as amended). Consequences of failure to comply with this requirement could include non-registration as a practitioner once the MTech: Chiropractic qualification is obtained. *(Amended w.e.f. 2006/05)*

5.2. Learning Programme - Structure

Code	Subjects	Assessment	Year Study	Credits NATED	Pre-req Subject	Co-Subject	req
ANTY102	Anatomy I	as per the modules below					
ANTY112	Anatomy I (Gross Anatomy)	E	1	0.090	-	PHSY101	
ANTY122	Anatomy I (Histology),	E	1	0.090	-	PHSY101	
ANTY132	Anatomy I (Topographic and Radiographic)	E	1	0.020	-	PHSY101	
PHSY101	Physiology I	E	1	0.100	-	ANTY102	
PHIL101	Philosophy, History and Principles I	as per the modules below					
PHIL111	Philosophy, History and Principles (M1)	E	1	0.050	-	-	
PHIL121	Philosophy, History and Principles (M2)	E	1	0.050	-	-	
BIOG102	Biology	E	1	0.200	-	-	
CHHC102	Chemistry I	E	1	0.200	-	-	
PHHC101	Physics I	E	1	0.200	-	-	
ANAT202	Anatomy II	as per module below					
ANAT212	Anatomy II (Gross)	E	2	0.120	ANTY102	PHSI201	
ANAT222	Anatomy II (Clinical)	E	2	0.040	ANTY102	PHSI201	
ANAT232	Anatomy II (Topographic and Radiographic)	E	2	0.040	ANTY102	PHSI201	
BCHE202	Biochemistry II	E	2	0.100	Chemistry I Biology I Physiology I	Physiology II	
EPHC201	Epidemiology I	E	2	0.200	Biology I	Med Micro II	
GPAT201	General Pathology II	E	2	0.100	Biology I Physiology I Med Micro II	Anatomy I Physiology II Epidemio II	
MMIC201	Medical Microbiology II	E	2	0.100	-	Epidemio II	
PHSI201	Physiology II	E	2	0.200	Biology Physiology Chemistry I Physics I	Biochem II Gen Path II	
SLST101	Social Studies I	E	2	0.100	-	-	
AUXT301	Auxiliary Therapeutics III	E	3	0.200	Physiology II Anatomy II Gen Path II	Sys Path III	
DIGN301	Diagnostics III	E	3	0.250	All 1st and 2nd year subjects excluding Sys Path III SocStd I		
PPTH201	Psychopathology II	E	3	0.100	Social Studies I		
CHPP301	Chiropractic Principles and Practice III	as per modules below					
CHPP311	Chiropractic Principles and Practice III (Module 1)	E	3	0.200	Physiology II Anatomy II Gen Path II	-	
CHPP321	Chiropractic Principles and Practice III (Module 2) Radiography	CA	3	0.050	Physiology II Anatomy II Gen Path II	-	
SYPA301	Systemic Pathology III	as per modules below					
SYPA311	Systemic Pathology III (Pathology)	E	3	0.134	Physiology II Anatomy II Gen Path II	-	
SYPA321	Systemic Pathology III (Pharmacology)	E	3	0.066	Physiology II Anatomy II Gen Path II	-	

5.3 Programme Information

Assessment and Moderation

Certain subjects in this programme do not have a final examination. The results for these subjects are determined through a weighted combination of assessments. As such, there are no supplementary examinations. Students are encouraged to work steadily through the period of registration in order to achieve the highest results possible. Assessment details are listed under each subject at the back of this handbook (Section I I). Moderation follows the DUT requirements.

5.4 Programme Rules

5.4.1 Minimum Admission Requirements

In addition to Rule G7, persons applying for this qualification must be over 17 years of age, physically fit, and in possession of either a National Senior Certificate (NSC) or Senior Certificate (SC). In addition, the following requirements must be met.

(Amended w.e.f. 2003/01)

NATIONAL SENIOR CERTIFICATE WITH BACHELOR DEGREE ENDORSEMENT		
Subject	NSC Rating	
English	4	
Mathematics	4	
Life Orientation	4	
Life Sciences and / or Physical Sciences	4	
Another two 20 credit subjects (only one of the two can be another language)	4	

(Amended w.e.f. 2005/01)

SENIOR CERTIFICATE QUALIFICATIONS: With matriculation exemption.		
Subject	Higher Grade	Standard Grade
English	D	B
Mathematics	D	B
Physical Science and/or	D	B
Biology	D	B
No more than 2 languages at the senior certificate level		

(Amended w.e.f. 2004/01)

These requirements are in line with the requirements of the Allied Health Professions Council as per Act 63 of 1982 (as amended).

Admission requirements based on Work Experience, Age and Maturity; and Recognition of Prior Learning

The DUT general rules G7 (3), and G7 (8) respectively, will apply.

(Amended w.e.f. 2006/05)

Admission of International students

The DUT's Admissions Policy for International Students and General Rules G4 and G7 (5) will apply.

5.4.2. Selection Criteria

In accordance with Rule G5, acceptance into the programme is limited to 35 places. As more qualifying applications are received than can be accommodated, the following selection process will determine placement in the programme:

All applicants must apply through the Central Applications Office (CAO).

Initial shortlisting for selection is based on the applicant's academic performance in Grade 12 (Grade 11, or Grade 12 trial marks, will be used for current matriculants).

Shortlisted applicants will be invited to undergo placement testing.

Shortlisted applicants will be invited for an interview.

Provisional acceptance is given to selected applicants awaiting National Senior Certificate (NSC) results. If the final Grade 12 NSC results do not meet the minimum entrance requirements, this provisional acceptance will be withdrawn.

Final selection for placement will be based on results in the SC / NSC and DUT placement tests.

(Amended w.e.f. 2006/05)

This programme offers an Extended Curriculum learning programme for the ND: Chiropractic. On the basis of the placement assessments, successful applicants for study towards the National Diploma will be accepted into either the three-year minimum; or an augmented, four-year minimum, programme of study. An augmented, Extended Curriculum Programme has been devised in order to enhance student development and to improve the student's chances of successful completion (Section 6).

Selection will be based on a ranking determined as follows:

Assessment	Weighting (%)
Results of the Senior certificate or National Senior Certificate and appropriate work experience where necessary	45
Interview scores	35
Assignment scores	20

5.4.3 Pass Requirements

Notwithstanding the DUT pass requirements (G14 and G15), and those detailed as follows, students are encouraged to apply themselves to their learning, and strive for the best academic results possible in order to adequately prepare themselves for their future careers, and to maximize possible employment opportunities.

Where multiple methods of assessment are used (with exception of Auxiliary Therapy III, Diagnostics III, and Chiropractic Principles and Practice III) sub-minimums of 40 % shall apply to the theory component(s), oral component(s), Objective Structured Clinical Examinations (OSCE's), practical components of examinations and the year / semester mark, as applicable:

Year Mark		Examination Mark	
Theory (test average combined)	40%	Theory papers (all papers individually)	40%
Practical (test average combined)	40%	Practical papers (all papers individually)	40%
OSCE	40%	OSCE	40%
Viva voce (oral examination)	40%	Viva voce (oral examination)	40%
		Competency	40%

Notwithstanding the above, a sub-minimum of 50% shall apply to the examinations as well as the year marks of Auxiliary Therapy III, Diagnostics III, and Chiropractic Principles and Practice III, as follows:

Year Mark		Examination Mark	
Theory (test average combined)	50%	Theory papers (all papers individually)	50%
Practical (test average combined)	50%	Practical papers (all papers individually)	50%
OSCE	50%	OSCE	50%
Viva voce (oral examination)	50%	Viva voce (oral examination)	50%
		Competency	50%

(Amended w.e.f. 2003/01)

5.4.4 Re-registration Rules

In addition to Rule G16, the following programme rules apply:

A student shall not be allowed to register for any subject, which has an associated Clinical Practical, in the third year if he/she has not completed an accredited course in First Aid, as approved by the Head of Department in conjunction with the Head of Department of EMC, or its equivalent.

(Amended w.e.f. 2003/01).

Any student failing a third level subject, is required in the year in which the subject/s are repeated, to complete a Continuous Clinical Practicum evaluations in Diagnostics III, Systemic Pathology III and Chiropractic Principles and Practice III. This Continuous Clinical Practicum evaluation at minimum will constitute four (4) evaluations during the year, one in each quarter.

(Amended w.e.f. 2006/05).

5.4.5 Exclusion Rules

In addition to Rule G17, the following programme rule applies:

A first-year student who fails three (3) or more of the subjects for which she / he is registered with a final mark of less than 40% in each of these subjects,

will not be permitted to re-register / register in the Chiropractic Department irrespective of whether the subjects were completed whilst the student was registered with the Department of Chiropractic or the Department of Homeopathy. Notwithstanding this, de-registration from any subject is subject to the provisions of Rule G6. *(Amended w.e.f. 2006/05).*

5.4.6 Interruption of Studies

In accordance with Rule G21A(b), the minimum duration for this programme will be three (3) years of registered study and the maximum duration will be five (5) years of registered study, including any periods of WIL. Should a student interrupt their studies by more than three (3) years, the student will need to apply to the department for permission to reregister and will need to prove currency of appropriate knowledge prior to being given permission to continue with registration. *(Amended w.e.f. 2006/05).*

5.4.7 Work Integrated Learning Rules

The student must comply with the rules and regulations as set out in the Clinic Manual. *(Included w.e.f. 1996/01).*

The compulsory WIL component of this programme comprises attendance at the Chiropractic Day Clinic for all first year students and the completion of a First Aid course by all second year students. *(Amended w.e.f. 2003/01).*

5.5 Subject Content

The syllabus for each subject indicated in the instructional programme above is published at the end of this handbook, in alphabetical order (Section I I).

6 NATIONAL DIPLOMA: CHIROPRACTIC (EXTENDED CURRICULUM)

6.1 Purpose of the Programme

Successful completion of the ND: Chiropractic (ECP) shall allow diploma status but no diploma will be awarded or issued nor will the holder be able to register as a chiropractor. This is a constituted requirement of the Allied Health Professions Act 63 of 1982 (as amended). Consequences of failure to comply with this requirement could include non-registration as a practitioner once the M.Tech: Chiropractic qualification is obtained. *(Amended w.e.f. 2006/05)*

This augmented, Extended Curriculum Programme has been devised in order to enhance student development and to improve the student's chances of successful completion.

Please note the following information and Rules must be read in conjunction with those of the National Diploma: Chiropractic where applicable and as noted.

6.2 Learning Programme Structure

Code	Subjects	Assessment	Year of Study	Credits NATED	Pre-req Subject	Co- req Subject
CHPP101	Chiropractic Principles and Practice I	E	1	0.300	-	ANTY101 PHIL101
CHPP201	Chiropractic Principles and Practice II	E	2	0.200	CHPP101	ANAT202
ANTY101	Anatomy I	as per the modules below				
ANTY112	Anatomy I (Gross Anatomy)	E	1	0.068	-	PHSY101
ANTY122	Anatomy I (Histology),	E	1	0.067	-	PHSY101
ANTY132	Anatomy I (Topographic and Radiographic)	E	1	0.015	-	PHSY101
PHSY101	Physiology I	E	1	0.100	-	ANTY102
PHIL101	Philosophy, History and Principles I	as per the modules below				
PHIL111	Philosophy, History and Principles I (M1)	E	1	0.050	-	CHPP101
PHIL121	Philosophy, History and Principles I (M2)	E	1	0.050	-	CHPP101
BIOG102	Biology	E	1	0.150	-	-
CHHC102	Chemistry I	E	2	0.100	PHHC101	-
PHHC101	Physics I	E	1	0.100	-	-
ANAT202	Anatomy II	as per the modules below				
ANAT212	Anatomy II (Gross)	E	2	0.090	ANTY102	PHSI201
ANAT222	Anatomy II (Clinical)	E	2	0.030	ANTY102	PHSI201
ANAT232	Anatomy II (Topographic and Radiographic)	E	2	0.030	ANTY102	PHSI201
BCHE202	Biochemistry II	E	3	0.100	CHHC102	-
EPHC201	Epidemiology I	E	3	0.100	MMIC201	-
GPAT201	General Pathology II	E	3	0.100	ANTY102 / ANAT201 PHSI201	EPHC201
MMIC201	Medical Microbiology II	E	2	0.100	-	-
PHSI201	Physiology II	E	2	0.100	PHSI201 ANTY102	-
SLST101	Social Studies I	E	3	0.100	-	-
AUXT301	Auxiliary Therapeutics III	E	4	0.200	PHSI201 ANAT202 GPAT201	SYPA301
DIGN301	Diagnostics III	E	4	0.250	All 1st and 2nd year subjects excl SLST101	SYPA301
PPTH201	Psychopathology II	E	4	0.100	SLST101	-
CHPP301	Chiropractic Principles and Practice III	as per the modules below				
CHPP311	Chiropractic Principles and Practice III (Module 1)	E	4	0.200	PHSI201 ANAT202 GPAT201	-
CHPP321	Chiropractic Principles and Practice III (Module 2) Radiography	CA	4	0.050	PHSI201 ANAT202 GPAT201	-
SYPA301	Systemic Pathology III	as per the modules below				
SYPA311	Systemic Pathology III (Pathology)	E	4	0.134	PHSI201 ANAT202 GPAT201	-
SYPA321	Systemic Pathology III (Pharmacology)	E	4	0.066	PHSI201 ANAT202 GPAT201	-

6.3 Programme Information

Assessment and Moderation

Certain subjects in this programme do not have a final examination. The results for these subjects are determined through a weighted combination of assessments. As such, there are no supplementary examinations. Students are encouraged to work steadily through the period of registration in order to achieve the highest results possible. Assessment details are listed under each subject at the back of this handbook. Moderation follows the DUT requirements.

6.4 Programme Rules

6.4.1 Minimum Admission Requirements

In addition to Rule G7, persons applying for this qualification must be over 17 years of age, physically fit, and in possession of either a NSC or SC. In addition, the following requirements must be met.

NATIONAL SENIOR CERTIFICATE WITH BACHELOR DEGREE ENDORSEMENT		
Subject	NSC Rating	
English	4	
Mathematics	4	
Life Orientation	4	
Life Sciences and / or Physical Sciences	4	
Another two 20 credit subjects (only one of the two can be another language)	4	
<i>(w.e.f. January 2007/01)</i>		
SENIOR CERTIFICATE QUALIFICATIONS: With matriculation exemption.		
Subject	Higher Grade	Standard Grade
English	D	B
Mathematics	D	B
Physical Science and/or	D	B
Biology	D	B
No more than 2 languages at the senior certificate level		
<i>(w.e.f. January 2007/01)</i>		

These requirements are in line with the requirements of the Allied Health Professions Council as per Act 63 of 1982 (as amended).
(w.e.f. January 2007/01)

Admission requirements based on Work Experience, Age and Maturity; and Recognition of Prior Learning

The DUT general rules G7 (3), and G7 (8) respectively, will apply.
(w.e.f. January 2007/01)

Admission of International students

The DUT's Admissions Policy for International Students and General Rules G4 and G7 (5) will apply. (w.e.f. January 2007/01).

6.4.2 Selection Criteria

In accordance with Rule G5, acceptance into the programme is limited. As more qualifying applications are received than can be accommodated, the following selection process will determine placement in the programme:

All applicants must apply through the Central Applications Office (CAO).

Initial shortlisting for selection is based on the applicant's academic performance in Grade 12 (Grade 11, or Grade 12 trial marks, will be used for current matriculants).

Shortlisted applicants will be invited to undergo placement testing.

Shortlisted applicants will be invited for an interview.

Provisional acceptance is given to selected applicants awaiting National Senior Certificate (NSC) results. If the final Grade 12 NSC results do not meet the minimum entrance requirements, this provisional acceptance will be withdrawn.

Final selection for placement will be based on results in the SC / NSC and DUT placement tests.

On the basis of the placement assessments, successful applicants for study towards the National Diploma will be accepted into either the three-year minimum; or an augmented, four-year minimum, programme of study. This augmented, Extended Curriculum Programme has been devised in order to enhance student development and to improve the student's chances of successful completion. (w.e.f. January 2007/01).

Assessment	Weighting (%)
Results of the Senior certificate or National Senior Certificate and appropriate work experience where necessary	45
Interview scores	35
Assignment scores	20

(w.e.f. January 2007/01).

6.4.3 Pass Requirements

As per Rules under 5.3.3 for the ND: Chiropractic. (w.e.f. January 2007/01)

6.4.4 Re-registration Rules

In addition to Rule G16, and the Rules under 5.3.4 for the ND: Chiropractic, the following programme rules apply:

A first-year student who fails more than 4 (four) subjects (including Chiropractic Principles and Practice I) for which they are registered will not be allowed to re-register in the Chiropractic Department.

A student who fails Chiropractic Principles and Practice I will not be allowed to register for any subjects in the second year of the ECP programme.

A student who fails any mainstream subject/s in the first year of the ECP

programme will be required to repeat the subject/s before commencing with subsequent mainstream subject/s. This is based on the prerequisites for the subject/s being met. (w.e.f. January 2007/01).

6.4.5 Exclusion Rules

Rule G17, and the Rules under 5.3.5 for the ND: Chiropractic, applies.
(w.e.f. January 2007/01).

6.4.6 Interruption of Studies

In accordance with Rule G21, the minimum duration for this programme will be 4 (four) years of registered study and the maximum duration will be five (5) years of registered study, including any periods of WIL. Should a student interrupt their studies by more than three (3) years, the student will need to apply to the department for permission to reregister and will need to prove currency of appropriate knowledge prior to being given permission to continue with registration. (w.e.f. January 2007/01).

6.4.7 Work Integrated Learning Rules

The student must comply with the rules and regulations as set out in the Clinic Manual.

The compulsory WIL component of this programme comprises attendance at the Chiropractic Day Clinic for all first year students and the completion of a First Aid course (w.e.f. January 2007/01).

6.5 Subject Content

The syllabus for each subject indicated in the instructional programme above is published at the end of this handbook, in alphabetical order (Section 11).

7. BACHELORS IN HEALTH SCIENCES: CHIROPRACTIC

7.1 Purpose of the Programme

Successful completion of the Bachelors in Health Sciences: Chiropractic shall allow diploma status but no degree will be awarded or issued nor will the holder be able to register as a chiropractor. This is a constituted requirement of the Allied Health Professions Act 63 of 1982 (as amended). Consequences of failure to comply with this requirement could include non-registration as a practitioner once the M.Tech: Chiropractic qualification is obtained.

This programme has been devised in order to enhance student development and to improve the student's chances of successful completion.

7.2 Learning Programme Structure

Please note the following information and Rules must be read in conjunction with those of the National Diploma: Chiropractic where applicable and as noted.

Module Title	Year of Study (1,2,3)	HEQF Credit	Pre-requisite	Co-requisite
Diagnostic Imaging I	1	8	Minimum requirements for the programme	All first year subjects, unless the student has approved exemptions for listed modules.
Gross Anatomy I	1	16		
Histology	1	12		
Physiology I	1	16		
Chemistry	1	16		
Physics	1	16		
Biology	1	16		
Chiropractic Principles and Practice I	1	8		
Philosophy and History of Medicine and Chiropractic	1	8		
Cornerstone Module (Institutional Module) I	1	12		
Diagnostic Imaging II	2	8	Diagnostic Imaging I	Gross Anatomy II
Gross Anatomy II	2	16	Gross Anatomy I	-
Physiology II	2	24	Biology	Biochemistry
			Gross Anatomy I Physiology I Chiropractic Principles and Practice I Physics Chemistry Histology	Gross Anatomy II
Biochemistry	2	8	Chemistry Physiology I Biology	-
Medical Microbiology	2	8	Biology	Immunology, Parasitology and Communicable Diseases Physiology II Gross Anatomy II
Immunology, Parasitology and Communicable Diseases	2	8	Biology Physiology I Chemistry	Medical Microbiology Biochemistry
General Pathology	2	8	Gross Anatomy I Histology Physiology I	Immunology, Parasitology and Communicable Diseases
Chiropractic Principles and Practice II	2	32	Gross Anatomy I Physiology I Chiropractic Principles and Practice I Physics	Gross Anatomy II
Sociology	2	8	Philosophy and History of Medicine and Chiropractic	-
isiZulu	2	8	-	-

Module Title	Year of Study (1,2,3)	HEQF Credit	Pre-requisite	Co-requisite
Diagnostics I	3	24	Immunology, Parasitology and Communicable Diseases Medical Microbiology Physiology II Gross Anatomy II General Pathology Chiropractic Principles and Practice II isiZulu	Systemic Pathology
Systemic Pathology	3	24	Immunology, Parasitology and Communicable Diseases Medical Microbiology Physiology II Gross Anatomy II General Pathology Chiropractic Principle and Practice II	Diagnostics
Psychopathology	3	8	Sociology	-
Applied Clinical Biomechanics and Orthopaedics I	3	16	Gross Anatomy II Physiology II Chiropractic Principles and Practice II	Systemic Pathology Diagnostics I
Diagnostic Imaging III	3	12	Diagnostic Imaging II Gross Anatomy II Physiology II Chiropractic Principles and Practice II	Diagnostics I
Chiropractic Principles and Practice III	3	32	Gross Anatomy II Physiology II Chiropractic Principles and Practice II Immunology, Parasitology and Communicable Diseases General Pathology	Applied Clinical Biomechanics and Orthopaedics I Diagnostics I
Myofascial and Adjunctive Therapies I	3	12	Physiology II Gross Anatomy II General Pathology	Systemic Pathology Diagnostics I
Diagnostics II	4	24	Systemic Pathology Diagnostics I Psychopathology	Pharmacology Nutrition Public and Community Health
Public and Community Health	4	8	Systemic Pathology Diagnostics I	-
Chiropractic Principles and Practice IV	4	24	Chiropractic Principles and Practice III Applied Clinical Biomechanics and Orthopaedics I Myofascial and Adjunctive Therapies I	Applied Clinical Biomechanics and Orthopaedics II

Module Title	Year of Study (1,2,3)	HEQF Credit	Pre-requisite	Co-requisite
Myofascial and Adjunctive Therapies II	4	8	Myofascial and Adjunctive Therapies I	Diagnostics II Applied Clinical Biomechanics and Orthopaedics II
Nutrition	4	8	Systemic Pathology Diagnostics I	-
Pharmacology	4	12	Diagnostics I	Diagnostics II
Research Methods and Bioethics	4	12	-	-
Applied Clinical Biomechanics and Orthopaedics II	4	24	Systemic Pathology Diagnostics I Applied Clinical Biomechanics and Orthopaedics I	Chiropractic Principles and Practice IV Diagnostics II
Diagnostic Imaging IV	4	8	Diagnostics I Applied Clinical Biomechanics and Orthopaedics I	-

In addition to DUT rules G14* and G16*, the following rules shall apply: Students must pass all pre-requisite modules before he/she is admitted to the next level. Notwithstanding the above, please refer to Table above. (w.e.f. 2015/01/Pending Senate Approval)

7.3 Programme Information Assessment and Moderation

Certain subjects in this programme do not have a final examination. The results for these subjects are determined through a weighted combination of assessments. As such, there are no supplementary examinations. Students are encouraged to work steadily through the period of registration in order to achieve the highest results possible. Assessment details are listed under each subject at the back of this handbook. Moderation follows the DUT requirements.

(w.e.f. 2015/01/ Pending Senate Approval)

7.4 Programme Rules

7.4.1 Minimum Admission Requirements

In addition to Rule G7*, the minimum entrance requirements for the holder of a valid National Senior Certificate (NSC) or a Senior Certificate (SC) or a National Certificate (Vocational) NC (V) that is valid for entry into a Bachelor's Degree and must include the following subjects at the stated minimum ratings below:

	NSC	Senior Certificate		NC(V)
COMPULSORY SUBJECTS	Rating	HG	SG	
English (1st Additional language)	4	D	B	70%
Mathematics	4	D	B	70%
Life Orientation	4	-	-	-
Biology/Life Sciences AND/OR Physical Sciences	4	D	B	70%
Another two 20 credit subjects (only one of the two can be another language)	4	-	-	-
No more than 2 languages at the senior certificate level		D	B	

(w.e.f. 2015/01/ Pending Senate Approval)

Minimum Admission Requirements in respect of Work Experience, Age, Maturity, RPL and International Students:

The DUT General Rules G7 (3)* and G7 (8)* respectively will apply. The DUT's Admission Policy for International Students and General Rules G4* and G7 (5)* will apply.

(w.e.f. 2015/01/ Pending Senate Approval)

7.4.2 Selection Criteria

All applicants must apply through the Central Applications Office (CAO).

In accordance with Rule G5*, acceptance into the programme is limited. Since more applications are received than can be accommodated, the following selection processes will apply:

Initial short listing for selection is based on the applicant's subject selection profile in Grade 11 and/or Grade 12.

Applicants whose application has been declined due to poor academic achievement in Grade 11 may reapply to the programme should they be able to show improved academic performance in the final Grade 12 examinations. Those applicants who wish to reapply should immediately notify the programme of their intention to reapply. In order for the application to be reconsidered, the applicant must submit the final Grade 12 results to the Department as soon as these results are available.

Shortlisted applicants must submit an assignment as requested and will undergo an interview with the Chiropractic Department.

Following submission of the assignment and interview, applicants will be ranked for selection using the weighting tabled below.

ASSESSMENT	Outcome	WEIGHTING (%)
Results of the National Senior Certificate / Senior Certificate / National Certificate (Vocational)	Average of percentages for subjects	45
Assignment	Percentage awarded to assignment	20
Interview	Percentage awarded to interview	35
		100

- Selected applicants will be placed into either the four-year degree or an Extended Curriculum Programme.
- Provisional acceptance is given to selected applicants awaiting National Senior Certificate (NSC) and National Certificate Vocational (NCV) results. If the final Grade 12 NSC or NCV results do not meet the minimum entrance requirements, this provisional acceptance will be automatically withdrawn.

As per the Act 63 of 1982, within two weeks of registration with the Department, students are required to register as student chiropractors with the AHPCSA in terms of the Allied Health Professional Act, 1982 (Act 63 of 1982) (Regulation R629, Government Gazette No 11221 of 31 march 1988). The registration will be facilitated by the department.

(w.e.f. 2015/01 / Pending Senate Approval)

Successful completion of the BHSc: Chiropractic does not entitle the graduate to register with the AHPCSA or practice as a Chiropractor. The minimum qualification for registration is the MHSc: Chiropractic.

(w.e.f. 2015/01 / Pending Senate Approval)

7.4.3 Pass Requirements

In addition to rules, G12 (1)*, G12 (9)*, G12 (10)*, G13 (1) (b)*, G13 (2)* and G14 (2)* the following departmental rules shall apply:

The final mark will be made up of 50% of the examination mark and 50% of the year semester mark.

(w.e.f. 2015/01 / Pending Senate Approval)

Where multiple methods of assessment are used, sub-minimums of 50 % shall apply to the theory component(s), oral component(s), Objective Structured Clinical Examinations (OSCE's), practical components of examinations and the year / semester mark, as applicable:

This subminimum rule is outlined in the section below:

Year Mark		Examination Mark	
Theory (test average combined)	50%	Theory papers (all papers individually)	50%
Practical (test average combined)	50%	Practical papers (all papers individually)	50%
OSCE	50%	OSCE	50%
Viva voce (oral examination)	50%	Viva voce (oral examination)	50%
Competency	50%		

(w.e.f. 2015/01 / Pending Senate Approval)

In addition to the general requirements for a year/semester mark as stipulated in Rule G12*, the requirements of G12 (2)* shall include:

- Eighty Percent attendance at lectures, tutorials, practicals and clinical sessions. Absence will only be condoned on the production of a medical certificate.
- The compulsory attendance at all functions, organized outings and educational tours arranged in the programme.

(w.e.f. 2015/01 / Pending Senate Approval)

7.4.4 Re-registration Rules

In accordance with the DUT Rule G23B (2)* and Rule G23B (3)*, the minimum duration of study is four (4) years, including any periods of clinical practice and the maximum duration will be six years of registered study, including any periods of clinical practice.

(w.e.f. 2015/01 / Pending Senate Approval)

7.4.5 Exclusion Rules

A first-year student who fails three (3) or more of the subjects for which she / he is registered with a final mark of less than 40% in each of these subjects, will not be permitted to re-register / register in the Chiropractic Department irrespective of whether the subjects were completed whilst the student was registered with the Department of Chiropractic or the Department of Homeopathy. Notwithstanding this, de-registration from any subject is subject to the provisions of Rule G6 (2)*.

(w.e.f. 2015/01 / Pending Senate Approval)

In addition to Rule G16*, the following programme rules apply:

A student shall not be allowed to register for any subject, which has an associated Clinical Practical Component, in the third year of the B. H. Sc.: Chiropractic if he/she has not completed an accredited course in First Aid, as approved by the Head of Department.

(w.e.f. 2015/01 / Pending Senate Approval)

7.4.6 Interruption of Studies

Should a student interrupt their studies by more than three (3) consecutive years, the student will need to apply to the department for permission to reregister and will need to demonstrate currency of appropriate knowledge prior to being given permission to continue with the programme.

(w.e.f. 2015/01 / Pending Senate Approval)

7.4.7 Work Integrated Learning Rules

The compulsory clinical practice component of this programme comprises attendance at the Chiropractic Day Clinic and completion of the Observer Programme as outlined in the Clinic Manual. Students who have not completed the observer programme will not be allowed entry into the examinations for Applied Clinical Biomechanics and Orthopaedics II.

Students must at all times conduct themselves as future professionals and dress accordingly. Students shall adhere to specific instructions by a Head of Department / Head of Programme regarding specific conduct or attire required during practical and clinic sessions (for specific rules please refer to the relevant Study Guide or Clinic Manual).

(w.e.f. 2015/01 / Pending Senate Approval)

7.5 Subject Content

The syllabus for each subject indicated in the instructional programme above will be published as an addendum once approval for the programme has been received.

8 BACHELORS DEGREE IN TECHNOLOGY: CHIROPRACTIC (BTCHRI)

8.1 Purpose of the Programme

Successful completion of this qualification shall allow degree status but no degree will be awarded or issued nor will the holder be able to register as a Chiropractor. As this is a constituted requirement of Act 63 of 1982 (as amended). Consequences of failure to comply with this requirement could include non-registration as a practitioner once the M.Tech: Chiropractic qualification is obtained.

(Amended w.e.f. 2006/05).

8.2 Learning Programme - Structure

Code	Subjects	Assessment	Year of Study	NATED Credits
DIGN401	Diagnostics IV	E	4	0.250
CBKI402	Clinical Biomechanics and Kinesiology IV	E	4	0.125
CLCH401	Clinical Chiropractic IV	E	4	0.200
CHPP401	Chiropractic Principles and Practice IV	E	4	0.200
RDLG401	Radiology IV	CA	4	0.125
RMCH102	Research Methods and Techniques I	CA	4	0.100

8.3 Programme Information

Work Integrated Learning (WIL)

The compulsory WIL component of this programme comprises attendance at the Chiropractic Day Clinic for the observer programme as outlined in the Clinic Manual in order to complete the subject Clinical Chiropractic IV.

(Included w.e.f. 1996/01)

Assessment and Moderation

Certain subjects in this programme do not have a final examination. The results for these subjects are determined through a weighted combination of assessments. As such, there are no supplementary examinations. Students are encouraged to work steadily through the period of registration in order to achieve the highest results possible. Assessment details are listed under each subject at the back of this handbook. Moderation follows the DUT requirements.

8.4 Programme Rules

8.4.1 Minimum Admission Requirements

A ND: Chiropractic / ND: Chiropractic (ECP), completed in the year preceding admission into the B.Tech: Chiropractic. *(Amended w.e.f. 2006/05)*

These requirements are in line with the requirements of the Allied Health Professions Council as per Act 63 of 1982 (as amended). Mature age applications and applications via the recognition of prior learning follow the guidelines and processes as set forth in the DUT rules and guidelines for the respective application processes (General Rules G7 (3)). *(Amended w.e.f. 2006/05)*

For the admission of international students, DUT's Admissions Policy for International Students and General Rules G4 and G7 (5) will apply. *(Amended w.e.f. 2006/05)*

8.4.2 Pass Requirements

Notwithstanding the DUT pass requirements (G14 and G15), and those detailed as follows, students are encouraged to apply themselves to their learning, and strive for the best academic results possible in order to adequately prepare themselves for their future careers, and to maximize possible employment opportunities.

The final mark will be made up of 50% of the examination mark and 50% of the year semester mark. *(Amended w.e.f. 2006/05)*

Where multiple methods of assessment are used, sub-minimums of 50% shall apply to the theory component(s), oral component(s), Objective Structured Clinical Examinations (OSCE's), practical components of examinations and the year / semester mark, as applicable:

Year Mark		Examination Mark	
Theory (test average combined)	50%	Theory papers (all papers individually)	50%
Practical (test average combined)	50%	Practical papers (all papers individually)	50%
OSCE	50%	OSCE	50%
Viva voce (oral examination)	50%	Viva voce (oral examination)	50%
		Competency	50%

(Amended w.e.f. 2006/05)

8.4.3 Re-registration Rules

In addition to Rule G16, the following programme rules apply:

Any student failing a fourth level subject, is required in the year in which the subject/s are repeated to complete a Continuous Clinical Practicum evaluation in Diagnostics IV, Clinical Chiropractic IV, Chiropractic Principles and Practice IV and Clinical Biomechanics and Kinesiology IV. This Continuous Clinical Practicum evaluation at minimum will constitute four evaluations during the year, one in each quarter. *(Amended w.e.f. 2003/01)*

8.4.4 Exclusion Rules

Please refer to Rule G17.

8.4.5 Interruption of Studies

In accordance with Rule G23 A(a), the minimum duration for this programme will be one (1) year of registered study and the maximum duration will be two (2) years of registered study, including any periods of WIL. Should a student interrupt their studies by more than three (3) years, the student will need to apply to the department for permission to re-register and will need to prove currency of appropriate knowledge prior to being given permission to continue with registration.

(Amended w.e.f. 2006/05)

8.4.6 Work Integrated Learning Rules

The rules and expected outcomes are outlined in the Clinic Manual.

(Amended w.e.f. 1996/01)

8.5 Subject Content

The syllabus for each subject indicated in the instructional programme above is published at the end of this handbook, in alphabetical order (Section 11).

9 M.TECH: CHIROPRACTIC

9.1 Purpose of the Programme

Only successful completion of this qualification shall allow degree status to be awarded or issued, such that the holder be able to register as a Chiropractor. As this is a constituted requirement of Act 63 of 1982 (as amended). Consequences of failure to comply with this requirement could include non-registration as a practitioner once the M.Tech: Chiropractic qualification is obtained. *(Amended w.e.f. 2006/05)*.

9.2 Learning Programme – Structure

Code	Subjects	Assessment	Year of Study	NATED Credits
CBK1501	Clinical Biomechanics and Kinesiology V	E	5	0.125
CLCH501	Clinical Chiropractic V	E	5	0.250
CHPP501	Chiropractic Principles and Practice V	E	5	0.100
RPLX512	Research project and dissertation (1st registration)	CA	5	0.500
RPLX522	Research project and dissertation (Successive registration)	CA	5	
PMJU501	Practice Management and Jurisprudence V	E	5	0.025

9.3 Programme Information

Work Integrated Learning (WIL)

The compulsory WIL component of this programme comprises attendance at the Chiropractic Day Clinic for the clinical practical as outlined in the Clinic Manual for Clinical Chiropractic V. *(Included w.e.f. 1996/01)*

Assessment and Moderation

Certain subjects in this programme do not have a final examination. The results for these subjects are determined through a weighted combination of assessments. As such, there are no supplementary examinations. Students are encouraged to work steadily through the period of registration in order to achieve the highest results possible. Assessment details are listed under each subject at the back of this handbook. Moderation follows the DUT requirements.

9.4 Programme Rules

9.4.1 Minimum Admission Requirements

B.Tech: Chiropractic, obtained in the year preceding admission to the M.Tech: Chiropractic. *(Amended w.e.f. 2004/01)*

These requirements are in line with the requirements of the Allied Health Professions Council as per Act 63 of 1982 (as amended). Mature age applications and applications via the recognition of prior learning follow the guidelines and processes as set forth in the DUT rules and guidelines for the respective application processes (General Rules G7 (3)). *(Amended w.e.f. 2006/05)*.

For the admission of international students, DUT's Admissions Policy for International Students and General Rules G4 and G7 (5) will apply. *(Amended w.e.f. 2006/05)*

9.4.2 Pass Requirements

Notwithstanding the DUT pass requirements (G14 and G15), and those detailed as follows, students are encouraged to apply themselves to their learning, and strive for the best academic results possible in order to adequately prepare themselves for their future careers, and to maximize possible employment opportunities.

Any student failing a fifth year subject is required in the year in which the subject/s is/are repeated to complete a Continuous Clinical Practicum evaluation in Clinical Chiropractic V, Chiropractic Principles and Practice V and Clinical Biomechanics and Kinesiology V. This Continuous Clinical Practicum evaluation at minimum will constitute 4 evaluations during the year, one in each quarter. *(Amended w.e.f. 2006/05)*

The final mark will be made up of 50% of the examination mark and 50% of the year/semester mark. *(Amended w.e.f. 2006/05)*

Where multiple methods of assessment are used, sub-minimums of 50% shall apply to the theory component(s), oral component(s), Objective Structured Clinical Examinations (OSCE's), practical components of examinations and the year / semester mark, as applicable:

Year Mark		Examination Mark	
Theory (test average combined)	50%	Theory papers (all papers individually)	50%
Practical (test average combined)	50%	Practical papers (all papers individually)	50%
OSCE	50%	OSCE	50%
Viva voce (oral examination)	50%	Viva voce (oral examination)	50%
		Competency	50%

9.4.3 Re-registration Rules

Please refer to Rule G16.

9.4.4 Exclusion Rules

Please refer to Rule G17.

9.4.5 Interruption of Studies

In accordance with Rule G24, the minimum duration for this programme will be one (1) year of registered study and the maximum duration will be three (3) years of registered study, including any periods of WIL. Should a student interrupt their studies by more than three (3) years, the student will need to apply to the department for permission to reregister and will need to prove currency of appropriate knowledge prior to being given permission to continue with registration.

(Amended w.e.f. 2006/05)

9.4.6 Work Integrated Learning Rules

The expected outcomes as well as the supporting rules and regulations are outlined in the Clinic Manual.

(Amended w.e.f. 1996/01)

9.5 Subject Content

The syllabus for each subject indicated in the instructional programme above is published at the end of this handbook, in alphabetical order (Section 11).

10 DTECH: CHIROPRACTIC (DRCHRI)

10.1 Purpose of the Programme

Successful completion of this qualification shall allow degree status but this will not have any effect on the registered status of the Chiropractor as this is an additional degree beyond the minimum required to be able to register as a Chiropractor. As this is a constituted requirement of Act 63 of 1982 (as amended).

10.2 Learning Programme Structure

Code	Module	Year of Study	Assessment Type	SAQA / NATED Credits	Pre-requisites	Co-requisites
DRCHRI	Dissertation	2	External	360	None	None

10.3 Programme Information

This full research qualification is aligned to Rule G25 and G26 and the guidelines in the Post Graduate Student Handbook. This 360 credit qualification is offered at the SAQA NQF Level 10.

Assessment and Moderation

Post graduate assessment will be aligned to Postgraduate Policies and Guidelines. Please refer to Rule G25 (4) and the Postgraduate Student Handbook.

10.4 Programme Rules

10.4.1 Minimum Admission Requirements

In addition to Rule G25 (1), persons must be in possession of an M. Tech: Chiropractic Degree, or have been granted status or advanced standing according to Rule G10. Please also refer to the Postgraduate Student Handbook.

10.4.2 Re-registration Rules

Please refer to Rule G26 (5) and the Postgraduate Student Handbook.

10.4.3 Exclusion Rules

Please refer to Rules G25 (2) (b; c(ii)) in the General Student Handbook; and the Postgraduate Student Handbook.

10.4.4 Interruption of Studies

In accordance with Rule G25 (2), the minimum duration for this programme will be two (2) years of registered study and the maximum duration will be four (4) years of registered study. Should a student interrupt their studies by more than three (3) years, the student will need to apply to the department for permission to reregister and will need to prove currency of appropriate knowledge prior to being given permission to continue with registration. Please refer to the Postgraduate Student Handbook.

11. SUBJECT CONTENT: CHIROPRACTIC

NB: Students are to read this section in conjunction with the relevant study guides.

ANATOMY I: ANTY112 (Anatomy (Gross))

Contact time (hours per week)

Theory	2
Practical	3

Assessment

Theory Tests	20%
Practical Tests	20%
Examination	60%

The examination shall consist of one 3-hour theory papers, one practical examination and one oral examination.

Pass requirements: subminima

Year Mark	40%
Examination Mark	40%
Final Mark	50%

Topics Covered

Introduction to anatomy. How to dissect, Anatomical and medical terminology, Histology, Thorax, Abdomen, Pelvis / perineum.

NDCHRI/ NDCHF1: ANTY122 (Anatomy (Histology))**Contact time (hours per week)**

Theory	2
Practical	3

Assessment

Theory Tests	20%
Practical Tests	20%
Examination	60%

The examination shall consist of one 3-hour theory papers, one practical examination and one oral examination.

Pass requirements: subminima

Year Mark	40%
Examination Mark	40%
Final Mark	50%

Topics Covered

Introduction to histology, How to use microscopy for learning, Anatomical and medical terminology, Histology.

NDCHRI/ NDCHF1: ANTY132 (Anatomy (Topographic and Radiographic Anatomy))**Contact time (hours per week)**

Theory	1
Practical	1.5

Assessment

Theory Tests	20%
Practical Tests	20%
Examination	60%

The examination shall consist of one 3-hour theory papers, one practical examination and one oral examination.

A minimum of 100% of students will be moderated for the practical examination

Pass requirements: subminima

Year Mark	40%
Examination Mark	40%

Final Mark 50%

Topics Covered

Radiological anatomy of the spine, Topographical Anatomy of the spine and torso, Static palpation of the spine and torso.

ANATOMY II (NDCHRI/ NDCHF1: ANAT202)

NDCHRI/ NDCHF1: ANAT212 (Anatomy (Gross))

Contact time (hours per week)

Theory 2

Practical 3

Assessment

Theory Tests 20%

Practical Tests 20%

Examination 60%

The examination shall consist of one 3-hour theory papers, one practical examination and one oral examination.

Pass requirements: subminima

Year Mark 40%

Examination Mark 40%

Final Mark 50%

Topics Covered

Theory and Practical of: Back, Upper limb, Lower limb.

NDCHRI/ NDCHF1: ANAT222 (Anatomy (Clinical))

Contact time (hours per week)

Theory 2

Practical 3

Assessment

Theory Tests 20%

Practical Tests 20%

Examination 60%

The examination shall consist of one 3-hour theory papers, one practical examination and one oral examination.

Pass requirements: subminima

Year Mark 40%

Examination Mark 40%

Final Mark 50%

Topics Covered

Neuro-anatomy, Head and neck.

NDCHRI/ NDCHF1: ANAT232 (Anatomy (Topographic and Radiographic Anatomy))

Contact time (hours per week)

Theory 0.5

Practical 2

Assessment

Theory Tests 20%
Practical Tests 20%
Examination 60%

The examination shall consist of one 3-hour theory papers, one practical examination. A minimum of 100% of students will be moderated for the practical examination.

Pass requirements: subminima

Year Mark 40%
Examination Mark 40%
Final Mark 50%

Topics Covered

Radiological anatomy the extremities and head, Topographical Anatomy the extremities and head, Motion palpation the spine and extremities.

AUXILIARY THERAPEUTICS III (NDCHR1/ NDCHF1: AUXT301)

Contact time (hours per week)

Theory 2
Practical 2

Assessment

Theory Tests and assignments 27%
Practical Tests 13%
Examination 60%

The examination shall consist of one 3-hour theory paper, and one 30min practical examination. A minimum of 100% of students will be moderated for the practical examination.

Pass requirements: subminima

Year Mark 50% (please read in conjunction with rules specific to this subject)
Examination Mark 50%
Final Mark 50%

Topics Covered

Physiological therapeutics and their application in practice, Pain mechanisms, Transcutaneous electric nerve stimulation (tens), Thermotherapy and Cryotherapy, Low frequency currents, Actinotherapy, Medium frequency currents, Cold (soft) laser, Massage, Meridian therapy, Stress management, Hydrotherapy.

BIOCHEMISTRY II (NDCHR1/ NDCHF1: BCHE202)

Contact time (hours per week)

Theory 3
Practical 3

Assessment

Theory Tests 27%
Practical Tests 13%
Examination 60%

The examination shall consist of one 3-hour theory paper.

Pass requirements: subminima

Year Mark 40%
Examination Mark 40%
Final Mark 50%

Topics Covered

Amino acids and peptides, Proteins, Haemoglobin, Enzymes, Biological oxidation, Carbohydrates, Lipids, Membranes, Metabolism of nucleotides and nucleic acids, DNA, RNA, Protein synthesis and the genetic code, Amino acid metabolism, Nutrition.

BIOLOGY I (NDCHRI/ NDCHF1: BIOG102)

Contact time (hours per week)

Theory	4
Practical	4

Assessment

Theory Tests	30%
Practical Tests	10%
Examination	60%

The examination shall consist of one 3-hour theory paper.

Pass requirements: subminima

Year Mark	40%
Examination Mark	40%
Final Mark	50%

Topics Covered

The scope of biology, Characteristics of cells, Multicellular organisation, Energy transformation and nutrient procurement, Gaseous exchange, Internal transport, Regulation of body fluids, Hormonal control, Nervous control, sensory reception and effectors, Cellular reproduction and inheritance, Reproduction and development, Evolution, Ecology, Origin of life, viruses and monera, The Protistan Kingdom, The Plant Kingdom, The Fungal Kingdom, The Animal Kingdom.

CHEMISTRY I (NDCHRI/ NDCHF1: CHHC102)

Contact time (hours per week)

Theory	3
Practical	4

Assessment

Theory Tests	20%
Practical Tests	20%
Examination	60%

The examination shall consist of one 3-hour theory paper

Pass requirements: subminima

Year Mark	40%
Examination Mark	40%
Final Mark	50%

Topics Covered

Matter and energy, Chemical equations and stoichiometry, Solutions, Acids, bases and salts, Chemical reactions, Chemical equilibrium, Electrochemistry and Redox theory, Chemistry of selected elements (H, N, S), Organic chemistry.

CHIROPRACTIC PRINCIPLES AND PRACTICE I (NDCHF1: CHPP101)

Contact time (hours per week)

Theory	5
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Assessment

Theory Tests	20%
Assignments	20%
Examination	60%

The examination shall consist of one 2-hour theory paper

Pass requirements: subminima

Year Mark	40%
Examination Mark	40%
Final Mark	50%

Topics Covered

EAP Note taking, Writing (syntax, grammar, punctuation) as a convention in health sciences

MAP Mathematical conventions, Measures and units of measure to support chemistry and physics

Information literacy module Information literacy introduction, Referencing conventions, Finding information, Search engines, Computer literacy Word, Social interaction conventions in higher education, Exam preparation techniques, Time management, Stress management, Basic study skills and Supplementary contact time subjects completed alongside the ECP subjects.

CHIROPRACTIC PRINCIPLES AND PRACTICE II (NDCHF1: CHPP201)

Contact time (hours per week)

Theory	6
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Assessment

Theory Tests	20%
Assignments	20%
Examination	60%

The examination shall consist of one 2 hour theory paper

Pass requirements: subminima

Year Mark	40%
Examination Mark	40%
Final Mark	50%

Topics covered

EAP with emphasis on academic / scientific writing

MAP Mathematical conventions, Measures/units of measure for biochemistry and medical microbiology

Information literacy module Critique of information sources, Critique of presented information, Computer literacy, Excel spreadsheets, Power point, Communications, Verbal conventions, Oral conventions, Written conventions, Electronic conventions, Advanced study skills and Supplementary contact time subjects completed alongside the ECP subjects.

CHIROPRACTIC PRINCIPLES AND PRACTICE III (NDCHRI/ NDCHF1: CHPP301)

The final mark for Chiropractic Principles and Practice III is a combination of Module I (CHPP311) (80%) and Module II (CHPP321) (20%).

A. MODULE I (CHPP311)

Contact time (hours per week)

Theory	5
Practical	5

Assessment

Theory Tests	60%
Practical Tests	40%
Examination	60%

The examination shall consist of one 3-hour theory papers, one 30min practical examination

A minimum of 100% of students will be moderated for the practical examination

Pass requirements: subminima

Year Mark	50%	(please read in conjunction with the rules specific to this subject)
Examination Mark	50%	
Final Mark	50%	

Topics Covered

The wellness and disease paradigms in patient management, Chiropractic and osteopathic theories. Clinical anatomy of the lumbar spine, Static palpation of the spine and pelvis. (Review).

Introduction to spinal and pelvic kinematics, Motion palpation of the spine and sacro-iliac joint. (Review). Static joint challenge, joint play and end-joint analysis of the spine. (Review), The manipulable lesion. Types, characteristics and effects of manipulation, Manipulation indications, contra-indications and complications. Basic adjusting skills (impulse, body-drop, recoil), Posture and Gait, An introduction to the philosophy of science.

B. MODULE II (CHPP321)

Contact time (hours per week)

Theory	2
Practical	4

Assessment (continuous assessment)

Assessment	100%
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Pass requirements: subminima

Year Mark	50%	(please read in conjunction with the rules specific to this subject)
Examination Mark	50%	
Final Mark	50%	

Topics Covered

Radiographic principles, Introduction to radiography, Fundamental electricity, X-Ray machine circuitry, X-Rays and other radiations, Preventive maintenance, Radiographic principles, Film processing, Principles of radiographic quality, Principles of CT, MRI and bone scan imaging, Patient positioning, Introduction to radiological principles, Normal anatomy and variants.

CHIROPRACTIC PRINCIPLES AND PRACTICE IV (BTCHRI: CHPP401)

Contact time (hours per week)

Theory	5
Practical	2

Assessment

Theory Tests	16%
Practical Tests	24%
Examination	60%

The examination shall consist of one 3-hour theory paper and one 30 min practical examination

A minimum of 100% of students will be moderated for the practical examination

Pass requirements: subminima

Year Mark	50%
Examination Mark	50%
Final Mark	50%

Topics Covered

1. THEORY

The sociology of chiropractic. Hallmarks of a profession. Epidemiology and demography of chiropractic patients. The scientific evidence of the effectiveness of manipulation/adjustments. Clinical trials research methodology. Risk factors for low back pain. Prevention of low back pain. Factors affecting the duration of work loss in low back pain sufferers. Worker's compensation studies in terms of spinal disorders. Professional associations and statutory councils. "Chiropractic Philosophy" - what is it?. Spinal rehabilitation. Basic and clinical nutrition.

2. PRACTICAL

Adjusting and mobilisation techniques of the spine, pelvis and ribcage. Abbreviation key. Review and refinement of motion palpation of the spinal and sacro-iliac joints. Review and refinement of basic adjusting skills - cervical, thoracic, lumbar and pelvic. Soft tissue techniques. Flexion/distraction technique. "Drop" table technique. Biomechanical blocking Spinal rehabilitation.

CHIROPRACTIC PRINCIPLES AND PRACTICE V (MTCHRI: CHPP501)

Contact time (hours per week)

Theory	1
Practical	3

Assessment

Theory and Practical Tests	40%
Examination	60%

The examination shall consist of one 3-hour theory paper and one 30-minute practical.

A minimum of 100% of students will be moderated for the practical examination

Pass requirements: subminima

Year Mark	50%
Examination Mark	50%
Final Mark	50%

Topics Covered

Extravertebral adjustment techniques. Temporomandibular joint. Shoulder girdle and upper extremity. Hip joint. Lower extremity. Soft tissue techniques. Osteopathic techniques - Articulatory technique, Muscle energy technique, Strain - counter strain technique

CLINICAL BIOMECHANICS AND KINESIOLOGY IV (BTCHRI: CBKI402)

Contact time (hours per week)

Theory	2
Practical	2

Assessment

Theory Tests	28%
Practical Tests	12%
Examination	60%

The examination shall consist of one 3-hour theory papers, one 30min practical examination.

A minimum of 100% of students will be moderated for the practical examination

Pass requirements: subminima

Year Mark	50%
Examination Mark	50%
Final Mark	50%

Topics Covered 1.

The emphasis in biomechanics will be on kinematics with only elementary kinetics. Introduction

to biomechanics and kinesiology. Biomechanical properties of bone, collagen and muscles. Biomechanics of the vertebrae, inter-vertebral discs, spinal ligaments and spinal muscles. Biomechanics of the osseous pelvis and sacro-iliac joint. Biomechanics of the central and peripheral nervous systems. Biomechanics of scoliosis. Biomechanics of the cervical, thoracic and lumbar spines. Biomechanics of the rib-cage. Biomechanics of spinal trauma and stress. Biomechanics of instability. Biomechanics of spinal manipulation. Principles of exercise therapy and rehabilitation. Overload principle. Myofascial pain syndromes - spine-related.

CLINICAL BIOMECHANICS AND KINESIOLOGY V (MTCHRI: CBKI501)

Contact time (hours per week)

Theory	4
Practical	2

Assessment

Theory Tests	28%
Practical Tests	12%
Examination	60%

The examination shall consist of one 3-hour theory paper and one 30min practical examination. A minimum of 100% of students will be moderated for the practical examination.

Pass requirements: subminima

Year Mark	50%
Examination Mark	50%
Final Mark	50%

Topics Covered

Biomechanics of the extremities and TMJ, Pathologies affecting the extremities and TMJ. Radiological changes in problems of the extremities and TMJ. Clinical presentation and patient management in extremity and TMJ problems.

CLINICAL CHIROPRACTIC IV (BTCHRI: CLCH401)

Contact time (hours per week)

Theory	6
Practical	3

Assessment

Theory Tests	28%
Practical Tests	12%
Examination	60%

The examination shall consist of two 2-hour theory papers (paper 1 = 42%; paper 2 = 28%), OSCE (paper 3 = 15%), one practical examination (paper 3 = 15%).

A minimum of 100% of students will be moderated for the practical examination

Pass requirements: subminima

Year Mark	50%
Examination Mark	50%
Final Mark	50%

Topics Covered

Mechanical back pain. Organic back disorders. Head and facial pain. Spinal orthopaedic assessment. Assessing case progression. Clinic forms and their use. The narrative report. The Clinic Manual - an introduction.

CLINICAL CHIROPRACTIC V (MTCHRI: CLCH501)

Contact time (hours per week)

Theory	5
Practical	2

Clinic	13
Assessment	
Theory Tests	25%
Practical Tests	25%
Examination	50%

The examination shall consist of one 3-hour theory paper, one 30min practical examination and one OSCE. (the latter of which is combined with continuous assessment mark derived from competencies). A minimum of 100% of students will be moderated for the practical examination

Pass requirements: subminima

Year Mark	50%
Examination Mark	50%
Final Mark	50%

Topics Covered

Review of electrotherapy and traction equipment, Patient assessment, Management rationale, Clinical radiology, Report writing, narrative, medico-legal, Chiropractic patient care (clinical practicum), The pregnant / geriatric / paediatric patient. Physical examination of the extremities and TMJ, “Wellness” in chiropractic care.

DIAGNOSTICS III (NDCHRI/ NDCHF I: DIGN301)

Contact time (hours per week)

Theory	6
Practical	3
Hospital	(3 visits annually per student)

Assessment

Theory Tests	24%
Practical Tests	16%
Examination	60%

The examination shall consist of one 3-hour theory paper and one 30min practical examination. A minimum of 100% of students will be moderated for the practical examination.

Pass requirements: subminima

Year Mark	50%	(please read in conjunction with the rules specific for this subject)
Examination Mark	50%	
Final Mark	50%	

Topics Covered

The nature, types, advantages and limitations of diagnoses. The case history. The theory and practice of the physical examination. The use of standard diagnostic instrumentation. The psychiatric examination. The analysis of symptoms and signs. The general and external features of disease. The nervous system. The locomotor system. The cardiovascular system. The respiratory system. The alimentary system. The genito-urinary system. The endocrine system. The reticulo-endothelial system. Ophthalmology. Paediatrics. Geriatrics.

DIAGNOSTICS IV (BTCHRI: DIGN401)

Contact time (hours per week)

Theory	4	
Practical	4	(Hospital: weekly hospital visits)

Assessment

Theory Tests	16%
Practical Tests	24%
Examination	60%

The examination shall consist of one 3-hour theory paper and one practical examination.

A minimum of 100% of students will be moderated for the practical examination.

Pass requirements: subminima

Year Mark	50%
Examination Mark	50%
Final Mark	50%

Topics Covered

Clinical pathology, Gynaecology, Obstetrics, Dermatology, Weight loss, Syncope, Vertigo, Dementia, Headache and facial pain, Coma, Pyrexia of unknown origin, Abdominal pain, Haematemesis and melaena, Changes in bowel habit, Jaundice, Nausea and vomiting, Dysphagia, Dyspnoea, Chest pain, Haemoptysis, Cough, Oedema, Polyuria, oliguria, dysuria, haematuria, Anaemia, Haemorrhage, Lymphadenopathy and splenomegaly, Claudication, Hepatomegaly, Joint pain/stiffness/swelling, Back pain, Neck pain, Muscle weakness, Numbness and paraesthesia, Painful/painless loss of vision.

EPIDEMIOLOGY I (NDCHRI/ NDCHF I: EPHC201)

Contact time (hours per week)

Theory	3
Practical	3

Assessment

Theory Tests and assignments	30%
Practical Tests	10%
Examination (1x3hr paper)	60%

Pass requirements: subminima

Year Mark	40%
Examination Mark	40%
Final Mark	50%

Topics Covered

Section A Immunology

The functions and components of normal blood, Non-acquired body defences. Naturally acquired body defences: antigens and antibodies, Artificially acquired body defences: immunization. Allergy and auto-immune diseases.

Section B Epidemiological principles

The history of public health services, Essential epidemiological concepts. Virulence of micro-organisms and the infective process, Factors in the transmission of communicable diseases.

Section C Epidemiology of infectious diseases

Diseases caused by bacteria, Diseases caused by viruses, Diseases caused by Rickettsiae and Chlamydiae. Diseases caused by fungi. Sexually transmitted diseases.

Section D Parasitology

Introduction to parasitology, Protozoan parasites: classification, characterization and incidence. Platyhelminthic parasites: classification, characterization and incidence. Aschelminthic parasites: classification, characterization and incidence. The Arthropoda as parasites, vectors and pests,

Mammalian pests: rats and mice.

GENERAL PATHOLOGY II (NDCHRI/ NDCHF1: GPAT201)

Contact time (hours per week)

Theory	4
Practical	0

Assessment

Theory Tests	40%
Examination (1x3hr paper)	60%
Pass requirements: subminima	
Year Mark	40%
Examination Mark	40%
Final Mark	50%

Topics Covered

Disease at cellular level, Fluid and haemodynamic derangements, Neoplasia, Genetic diseases. Disorders of growth. Nutritional disorders. Miscellaneous ecological conditions.

MEDICAL MICROBIOLOGY II (NDCHRI/ NDCHF1: MMIC201)

Contact time (hours per week)

Theory	2
Practical	5

Assessment

Theory Tests	20%
Practical Tests	20%
Examination (1x3hr paper)	60%

Pass requirements: subminima

Year Mark	40%
Examination Mark	40%
Final Mark	50%

Topics Covered

The scope of microbiology. Characteristics and types of bacteria. Characteristics of protozoa, yeasts and moulds. Laboratory study of bacteria. Characteristics of Rickettsiae, Chlamydiae and Mycoplasmas. Characteristics of viruses. General bacterial physiology. Micro-organisms in the ecological system. Basic principles of sterilization and disinfection. Antimicrobial agents and chemotherapy.

PHILOSOPHY, PRINCIPLES AND HISTORY (NDCHRI/ NDCHF1: PHIL101)

The final mark for Philosophy History and Principles is a combination of Module I and Module II with each module being equally weighted.

A. MODULE I (NDCHRI/ NDCHF1: PHIL111)

Contact time (hours per week)

Theory	3
Practical	0

Assessment Plan

Theory Tests and assignments	40%
Examination (1x2hr paper)	60%

Pass requirements: subminima

Year Mark	40%
Examination Mark	40%
Final Mark	50%

Topics covered

A history of healing and medicine. A history of chiropractic and osteopathy. An introduction to chiropractic principles and philosophy, History of chiropractic in South Africa. Chiropractic terminology, Holism and Reductionism as philosophies.

B. MODULE II (NDCHRI/ NDCHF1: PHIL21)

Contact time (hours per week)

Theory	3
Practical	0

Assessment Plan

Theory Tests and assignments	40%
Examination (1x2hr paper)	60%

Pass requirements: subminima

Year Mark	40%
Examination Mark	40%
Final Mark	50%

Topics covered

Philosophy and Thinking, Theories of Knowledge, Introduction to the Development of the Professions.

PHYSICS I (NDCHRI/ NDCHF1: PHHC101)

Contact time (hours per week)

Theory	3
Practical	2

Assessment Plan

Theory Tests	30%
Assignment	10%
Examination (1x3hr paper)	60%

Pass requirements: subminima

Year Mark	40%
Examination Mark	40%
Final Mark	50%

Topics covered

Remedial mathematics, Fundamental units and conversion of units, Vectors and scalars, Kinetics, Mechanics, Dynamics, Momentum, Moments, Work, energy and power, Applied mechanics, Density and relative density, Pressure, Thermodynamics internal energy and heat, Mechanical properties of materials, Waves and sound, Optics, Electricity, Magnetism and electro-magnetic induction, Radioactivity.

PHYSIOLOGY I (NDCHRI/ NDCHF1: PHSY101)

Contact time (hours per week)

Theory	3
Practical	3

Assessment Plan

Theory Tests	27%
Assignment/Prac	13%
Examination (1x3hr paper)	60%

Pass requirements: subminima

Year Mark	40%
Examination Mark	40%
Final Mark	50%

Topics covered

Organisation of the body, the cell, Tissues, Integumentary system, Skeletal system, Muscular system, Nervous system, Sense organs, Endocrine system, The heart, Circulation, Lymphatic system, Respiration, Digestive system, Urinary system, Body fluid electrolyte and pH balance; Reproduction and development

PHYSIOLOGY II (NDCHRI/ NDCHF I: PHSI201)**Contact time (hours per week)**

Theory	3
Practical	3

Assessment Plan

Theory Tests	30%
Assignment	5%
Practical	5%
Examination (1x3hr paper)	60%

Pass requirements: subminima

Year Mark	40%
Examination Mark	40%
Final Mark	50%

Topics covered

Functional organisation of the human body and control of the internal environment. The cell, Nerve and muscle, Cardiovascular system, The kidneys and body fluid homeostasis, Respiration, The nervous system, Special senses, The gastro-intestinal tract, Energy balance, metabolism and nutrition, Endocrinology. Reproduction.

PRACTICE MANAGEMENT and JURISPRUDENCE I (MTCHRI: PMJU501)**Contact time (hours per week)**

Theory	2
Practical	0

Assessment Plan

Theory Tests and assignments	40%
Examination (1x3hr paper)	60%

Pass requirements: subminima

Year Mark	50%
Examination Mark	50%
Final Mark	50%

Topics covered**A. Practice management**

Office location and design, Equipment, supplies, purchasing and leasing, Accounting, record keeping and filing systems, Financing, Taxation, Single and partnership practices and contracts, Staff, Insurance, Medical schemes, Performance management, Workmen's Compensation and M.V.A., Professional associations, Practitioner/patient relationship, Patients, The public, professional associates and referrals, Business Ethics, Labour relations act in respect of practice.

B. Jurisprudence

General medical and health legislation, Chiropractors Homoeopaths and Allied Health Service Professions, Council Act and Allied Health Professions Acts as amended. Rules and regulations, Board decisions and requirements.

PSYCHOPATHOLOGY II (NDCHRI/ NDCHF1: PPTH201)

Contact time (hours per week)

Theory	2
Practical	0

Assessment Plan

Theory Tests	40%
Examination (1x3hr paper)	60%

Pass requirements: subminima

Year Mark	40%
Examination Mark	40%
Final Mark	50%

Topics covered

Introduction to psychopathology. Abnormal behaviour. Specific disorders: psychoses; neuroses, Problems of children. Other psychiatric disorders. Patient-practitioner relationships. Assessment and treatment approaches.

RADIOLOGY IV (BTCHRI: RDLG401)

Contact time (hours per week)

Theory	2
Practical	4

Assessment Plan (continuous assessment)

Assessments	100%
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Pass requirements: subminima

Year Mark	50%
Examination Mark	50%
Final Mark	50%

Topics covered

Normal anatomy and variants
Common pathologies

Introduction to radiographic interpretation (plain film, CT, MRI, bone scan). Congenital anomalies, Trauma, Neoplasms, Infections and inflammations, Degenerative disorders, Metabolic disorders, Common cardiovascular disorders, Miscellaneous conditions, Report writing, Patient positioning (Clinic).

RESEARCH METHODS AND TECHNIQUES I (BTCHRI: RMCH102)

Contact time (hours per week)

Theory	2
Practical	0

Assessment Plan (continuous assessment)

Theory Tests	10%
Assignment	60%
Research proposal approval	20%
Topic approval	10%

Pass requirements: subminima

Year Mark	50%
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Examination Mark	50%
Final Mark	50%

Topics covered

Section A - Statistics

This section will comprise the appropriate summary and inferential statistics required in order for students to complete a research project as approved by the Faculty of Health Sciences.

Section B - Research Methods

Research Information, Research Design, Research Problem, Literature Review, Research Methods Qualitative, Research Methods Quantitative, Ethics, Research Proposal/Budget, Presentation and Publication.

Research Project and Dissertation:

Students will be expected to develop their G186 proposal which was submitted as part of Research Methods and Techniques I, into a mini-dissertation within the time frame provided by the Department.

RESEARCH PROJECT AND DISSERTATION (MTCHRI: RPLX512 / RPLX522)

Contact time (hours per week) 13

Assessment Plan

Assessment 100%

Pass requirements: subminima

Final Mark 50%

General Comment

Students will research an approved topic and write a dissertation which will include information about the materials and methods used, the results obtained, discussion of the findings and drawing conclusions where possible. The project may be completed in one year with a maximum of two years.

SOCIAL STUDIES (NDCHRI/ NDCHF1: SLST201)

Contact time (hours per week)

Theory 2

Practical 0

Assessment Plan

Theory Tests 20%

Assignment 20%

Examination (1x3hr paper) 60%

Pass requirements: subminima

Year Mark 40%

Examination Mark 40%

Final Mark 50%

Topics covered

Section A: Psychology

The nature scope and methods of psychology, Principal approaches in psychology. Developmental psychology, the senses perception and mental processes, Learning, Social influence.

Section B: Sociology

The nature, scope and methods of sociology, the socialisation process, Institutions, Social structure, Belief systems, Social problems.

SYSTEMIC PATHOLOGY III (NDCHRI/ NDCHF1: SYPA301)

The final mark for Systemic Pathology III is a combination of Module I (SYPA311) (67%) and Module II (SYPA321) (33%).

MODULE ONE: PATHOLOGY (NDCHRI/ NDCHF1: SYPA311)

THEORY AND PRACTICAL

Contact time (hours per week)

Theory	8
Practical	0

Assessment Plan

Theory Tests	20%	
Practical	20%	
Examination	60%	(1x3hr) Pathology)

Pass requirements: subminima

Year Mark	40%
Examination Mark	40%
Final Mark	50%

Topics covered

Pathological conditions associated with the following will be covered: The vascular system, The heart, Haematopoietic and lymphoid systems, The respiratory system, Urinary system, The gastrointestinal tract, The liver, the biliary tract, the pancreas, The male genital system, The female genital system and breast. The endocrine system. The musculoskeletal system, the nervous system.

MODULE TWO: PHARMACOLOGY (NDCHRI/ NDCHF1: SYPA321)

THEORY

Contact time (hours per week)

Theory	2
Practical	0

Assessment Plan

Theory Tests	40%	
Examination	60%	(1x2hr) Pharmacology)

Pass requirements: subminima

Year Mark	40%
Examination Mark	40%
Final Mark	50%

Topics covered

Pharmacological concepts associated with the following will be covered:

Introduction: Principles of drug action, Pharmacokinetics, Pharmacodynamics, Local Anaesthetics; Drugs acting at the neuromuscular junction, Autonomic drugs acting at cholinergic synapses; Drugs acting on the sympathetic system, Asthma, Hayfever and anaphylaxis; Drugs acting on the GIT, Drugs acting on the kidneys : Diuretics, Drugs used in Hypertension; Drugs used in Angina, Antiarrhythmic Drugs, Drugs used in Heart Failure, Drugs used to affect blood coagulation; Agents used in anemias, Central Transmitter Substances, General anaesthetics, Drugs acting on the CNS; Opioid Analgesics, Drug misuse and dependence, Non-steroidal anti-inflammatory drugs; Corticosteroids/Sex hormones and drugs, Anti-diabetic agents, Antimicrobial agents, Drugs used in cancer.

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