



# 2016 HANDBOOK CHIROPRACTIC & SOMATOLOGY



# **HANDBOOK FOR 2016**

## **FACULTY OF HEALTH SCIENCES**

### **DEPARTMENT of CHIROPRACTIC and SOMATOLOGY**

**The above department offers two programmes:**

**Chiropractic and Somatology**

**This handbook offers information on both programmes**

## **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 GI (8).

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

# **FACULTY of HEALTH SCIENCES**

## **FACULTY VISION, MISSION, GOALS AND VALUES**

(November 2012 for 2013-2017)

### **Vision**

The vision of the Faculty of Health Sciences at the Durban University of Technology is to be a leading Faculty in transformative and innovative education for health professionals, guided by National imperatives and a strong commitment to socially responsive education. We will strive to excellence in professional and teaching scholarship, as well as in the development of national and global linkages in education, and in the research and development of health.

### **Mission Statement:**

Within a values-driven student-centered ethos, the Faculty is committed to developing quality health professionals that are practice-oriented, receptive and responsive to the health care needs of the people of South Africa, and of Africa as a whole. This will be achieved by providing the highest standards of learning, teaching, research, and community engagement, underpinned by a commitment to creating space for students and staff to succeed.

### **Goals**

The Faculty aims to:

1. Respond to the National Health human resource and industry needs within the health sector.
2. Ensure the offering of entrepreneurial and leadership skills as a core component of all programmes within the Faculty of Health Sciences.
3. Continue to develop community-based projects to foster social responsibility through collaborative projects between programmes.
4. Enhance established quality management frameworks to support teaching and learning.
5. Develop applied research responsive to community and industry needs.
6. Develop mechanisms for the dissemination and application of research outcomes to inform teaching and learning, assessment, community engagement and further research.
7. Improve research participation and output through increased post-graduate student enrolment, publications and establishment of research groups.
8. Enable the generation of third-stream income through research and innovation (patents / artefacts) in order to supplement existing sources of income for the next five years.
9. Attract and retain diverse quality staff, while promoting advancement of individual potential.
10. Position DUT Health Sciences nationally.

## **Values**

The Faculty is guided by the following core values:

1. Transparency, openness, honesty, and shared governance.
2. Professional and personal respect for others.
3. Educational relevance, equity and transformation (curriculum, access and success).
4. Loyalty, accountability, dignity and trust.

## **DEPARTMENTAL MISSION and GOALS**

### **CHIROPRACTIC PROGRAMME**

#### **MISSION STATEMENT**

To strive for excellence in the development and use of manual therapies in the prevention, conservative treatment and rehabilitation of neuromuscular and skeletal conditions in order to promote health and patient well-being.

#### **GOALS OF THE CHIROPRACTIC PROGRAMME**

The vocational emphasis is upon the education and training of chiropractors that are to serve as primary contact practitioners within the orthodox health care system. Students are trained to competently serve all sections of the South African population and are kept abreast of modern developments within the profession through continuing education. As a part of the programme, the student is required to conduct a Master's research project, which assists in enabling the Departmental mission statement. The Programme also aims to improve and encourage better relations with all other registered health disciplines.

The goals of the programme are to produce graduates in chiropractic who will demonstrate:

1. Diagnostic and professional management knowledge and skills characteristic of members of the chiropractic profession;
2. Primary contact practitioner skills with competence in differential diagnosis;
3. Sensitivity and responsiveness to the health-care needs of the local community;
4. Expertise in the identification and management of disorders of the neuromusculoskeletal system and other conditions amenable to chiropractic care;
5. Knowledge and skills in a "Wellness" (primary health care) approach to patient care;
6. An awareness of their professional scope of practice and of their limitations;
7. Skills of effective functioning in the referral network of the national health care system;
8. An ability as self-directed students to maintain an advanced knowledge base by utilising continuing education opportunities and an attitude whereby the welfare of the patient in all patient/practitioner interactions is of the highest concern.

## **DEPARTMENTAL MISSION AND GOALS**

### **SOMATOLOGY PROGRAMME**

#### **MISSION STATEMENT**

In keeping with the faculty's mission and goals the programme aims to provide high standards of teaching and innovative learning strategies thereby producing ethical, skilful and quality Somatologists who can promote and represent their profession locally, nationally and internationally. Graduates will have the capacity to apply leadership and entrepreneurial skills thereby responding to the national imperatives of creating employment opportunities. The Somatologist will promote social responsibility through community engagement and research activities. The programme aims to encourage and improve relationships with all other health care professionals through research and being responsive to the primary health care and wellness needs of the people of South Africa, thereby adapting and cementing their position within the health care community.

#### **Goals for the Somatology Programme**

1. Individual potential needs of both students and staff must be encouraged and nurtured, through promoting individual support and through developmental programmes.
2. Liaison, local and international networking and involvement with the community, the employer bodies and all relevant stake holders must be fostered and encouraged to fulfil educational research and employment opportunities.
3. Improve research participation and output through increased post graduate student enrolments and publications.
4. Promoting the practice of self-directed learning thereby encouraging students to continually engage in a culture of lifelong learning.
5. Knowledge and skills in communication, leadership and entrepreneurial practices applicable to the Somatology profession are offered.
6. Maintenance and development of standards and qualifications is vital which recognizes that growth and development of both the profession and the needs of the people of South Africa.
7. Participation in community based projects to foster social responsibility within the programme.

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## **I. DEPARTMENTAL & FACULTY CONTACT DETAILS**

### **All programme queries to:**

Secretary: Chiropractic Ms Kershnee Pillay  
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 and Somatology,  
Chiropractic Programme, Room DG2207,  
Mansfield Site Area, Ritson Road Campus

Secretary: (Somatology) Ms Jabulisile Dlamini  
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Chiropractic Programme, Room DG2104,  
Mansfield Site Area, Ritson Road Campus.

### **All Faculty queries to:**

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

Executive Dean: Professor T Puckree  
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

<b>2. STAFFING</b>	<b>Name and Qualification</b>
<b>Chiropractic Programme Head of Programme</b>	Dr A Docrat, MTech: Chiropractic (TN) (Acting)
<b>Senior Lecturers</b>	Dr C Korporaal, MTech: Chiropractic (TN) Dr L O'Connor, MTech: Chiropractic (TN) Dr J Shaik, MTech: Chiropractic (TN)
<b>Lecturers</b>	Dr Z Ndlovu, MTech: Chiropractic (DUT) Dr D Varatharajullu, MTech: Chiropractic (DUT)
<b>Clinic Staff</b>	Mrs L Twiggs Mrs P van den Berg
<b>Finance Administrator</b>	Mrs W Drake
<b>Secretary</b>	Ms K Pillay, BTech Comm: Admin (MLS)
<b>Somatology Programme</b>	
<b>Head of Programme</b>	Mrs D Borg, MEd: Higher Education (UKZN)
<b>Lecturers</b>	Ms S Fynn-Wagner, MSocSci: Health Promotion (UKZN) Ms SZS Nkwanyana, MTech: Somatology (DUT)
<b>Somatology Clinic Technique Manager</b>	Mrs K Rammanhor, MTech: Somatology (DUT)
<b>Administrative Assistant</b>	Ms J Dlamini, BTech: Office Management and Technology (DUT)
<b>General Assistant</b>	Mrs M Dladla

### 3. DEPARTMENTAL INFORMATION & RULES

#### 3.1. Programmes offered by the department

This department offers two programmes, namely

- Chiropractic (Section A)
- Somatology (Section B).

#### 3.2. 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.

<b>CHIROPRACTIC:</b>			
<b>Qualification</b>	<b>Qualification Code</b>	<b>SAQA NLRD Number</b>	<b>Important Time lines</b>
ND: Chiropractic	NDCHRI	72171	
ND: Chiropractic (ECP)	NDCHF1	72171	
BTech: Chiropractic	BTCHRI	72171	
MTech: Chiropractic	MTCHRI	72171	
DTech: Chiropractic	DTCHRI	72093	
BHSc : Chiropractic	Pending	Pending	Awaiting approval
MHSc : Chiropractic	Pending	Pending	
PhD : Chiropractic	Pending	Pending	

**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.

<b>Qualification</b>	<b>Qualification Code</b>	<b>SAQA NLRD Number</b>	<b>Important time lines</b>
ND: Somatology	NDSOM1	3211007	*2016
ND: Somatology(ECP)	NDSMF1	3211007	*2017
BTech: Somatology	BTSOM1	3311001	**
Master of Health Sciences: Somatology	MHSOM1	3611001	
Dip: Somatology	-	-	***2017
Advanced Diploma: Somatology	-	-	***2018
Postgraduate Diploma: Somatology	-	-	***2019
* Pending approval of the new Diploma ** Pending approval of the new Advanced Diploma ***The offering of new programmes is subject to the final approval by the Department of Higher Education and Training (DHET), Council on Higher Education (CHE) and South African Qualification Authority (SAQA)) and the DUT University structures			

### **3.3 Departmental Information**

Further to the following information, rules relating to these learning programmes will be found in Section A: Chiropractic or Section B: Somatology.

#### **3.3.1 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.

#### **3.3.2 Code of Conduct for Students**

In addition to the General Rules pertaining to Student Conduct SR3 (3), a professional code of conduct pertaining to behavior, 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.

#### **3.3.3 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.

#### **3.3.4 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.

#### **3.3.5 Work Integrated Learning (WIL)**

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

#### **3.3.6 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)*

## **SECTION A: CHIROPRACTIC**

### **4 PROGRAMME RULES**

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

#### **4.1 Registration**

All registered students within the Chiropractic Programme 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 I I).
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 any department in the programme (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 / Programme, 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 / 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).

*(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 Programme 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 for inclusion in a faculty journal.

*(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 G1 (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 of Study	Credits NATED	Pre-req Subject	Co-req Subject
ANTY102	Anatomy I	as per the modules below				
ANTY112	Anatomy I (Gross Anatomy)	E	I	0.090	-	PHSY101
ANTY122	Anatomy I (Histology).	E	I	0.090	-	PHSY101
ANTY132	Anatomy I (Topographic and Radiographic)	E	I	0.020	-	PHSY101
PHSY101	Physiology I	E	I	0.100	-	ANTY102
PHIL101	Philosophy, History and Principles I	as per the modules below				
PHIL111	Philosophy, History and Principles I (M1)	E	I	0.050	-	-
PHIL121	Philosophy, History and Principles I (M2)	E	I	0.050	-	-
BIOG102	Biology	E	I	0.200	-	-
CHHC102	Chemistry I	E	I	0.200	-	-
PHHC101	Physics I	E	I	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 Epidemiology II
MMIC201	Medical Microbiology II	E	2	0.100	-	Epidemiology II
PHSI201	Physiology II	E	2	0.200	Biology I Physiology I 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 yr subjects excl 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)*

<b>NATIONAL SENIOR CERTIFICATE WITH BACHELOR DEGREE ENDORSEMENT</b>		
<b>Subject</b>	<b>NSC Rating</b>	
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)*

<b>SENIOR CERTIFICATE QUALIFICATIONS: With matriculation exemption.</b>		
<b>Subject</b>	<b>Higher Grade</b>	<b>Standard Grade</b>
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 Programme irrespective of whether the subjects were completed whilst the student was registered with the Department of Chiropractic and Somatology 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 the Chiropractic Programme section 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 MTech: 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 yr subjects exc 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.

<b>NATIONAL SENIOR CERTIFICATE WITH BACHELOR DEGREE ENDORSEMENT</b>		
<b>Subject</b>	<b>NSC Rating</b>	
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>		
<b>SENIOR CERTIFICATE QUALIFICATIONS: With matriculation exemption.</b>		
<b>Subject</b>	<b>Higher Grade</b>	<b>Standard Grade</b>
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 Programme.

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 the Chiropractic Programme section 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 MTech: 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 Diagnostics I 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 <b>AND/OR</b> 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 Programme.

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
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- 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*



#### **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 Programme irrespective of whether the subjects were completed whilst the student was registered with the Department of Chiropractic and Somatology 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 MTech: 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 BTech: 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 G23A(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 the Chiropractic Programme section of this handbook, in alphabetical order (Section II).

### **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 MTech: 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**

BTech: 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 the Chiropractic Programme section of this handbook, in alphabetical order (Section I I).

## 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 Examination	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 MTech: 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/ NDCHFI : 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/ NDCHFI : ANAT202)****NDCHRI/ NDCHFI : 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/ NDCHFI : 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/ NDCHF I : 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 (NDCHRI/ NDCHF I : 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 (NDCHRI/ NDCHF I : 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/ NDCHF I : BIOGI02)

#### 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/ NDCHF I : 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%

**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 (BTCHR! : 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 I.**

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 : EPHC20I)**

### **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 defenses. Naturally acquired body defenses: antigens and antibodies, Artificially acquired body defenses: 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. Platyhelminth parasites: classification, characterization and incidence. Aschelminth parasites: classification, characterization and incidence. The Arthropoda as parasites, vectors and pests, Mammalian pests: rats and mice.

## **GENERAL PATHOLOGY II (NDCHRI/ NDCHF I : GPAT20I)**

### **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/ NDCHF I : MMIC20I)**

### **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/ NDCHF I : 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/ NDCHF I : 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/ NDCHF I : PHIL121)**

**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/ NDCHF I : 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/ NDCHF I : 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/ NDCHF I : 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%
<b>Pass requirements : subminima</b>	
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: RMCHI02)**

### **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%
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%
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### **Pass requirements : subminima**

Final Mark	50%
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### 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/ NDCHF I : 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/ NDCHF I : 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/ NDCHF I : 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.

## **SECTION B: SOMATOLOGY**

Please refer to the Departmental Information contained at the front of this Handbook.

### **12. NATIONAL DIPLOMA: SOMATOLOGY NDSOM1**

#### **12.1 Programme Information**

##### **12.1.1 Code of Conduct for Students**

In addition to the General Rules pertaining to Student Conduct SR3 (3), a professional code of conduct pertaining to behavior, appearance, personal hygiene and dress shall apply to all students registered with the Faculty of Health Science, at all times. Any additional requirements for laboratory or clinic will be listed in the respective student guides.

##### **12.1.2 Uniforms**

Students must adhere to instructions regarding specific uniforms required during practical's and clinic sessions. The uniform required is:

- Prescribed shirt and pants/skirt
- Protective clinic garment
- Flat black shoes
- Hair secured off face
- No jewellery
- Watch and small stud/hoop earrings
- Short unvarnished nails
- Black jersey or jackets

### **12.1.3 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 timeously advise the department 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. Where absence impacts on assessment, please refer to the study guide for that subject. In addition to the general requirements for a year/semester mark, the definition of the term “attended satisfactorily” necessary for the issuing of a certificate shall include the compulsory attendance at all functions, organized outings and educational tours arranged by a department. (Any cost involvement will be the responsibility of the student.)

### **12.1.4 Health and Safety**

Students must adhere to all Health and Safety regulations both while at DUT and in WIL placements. Failure to do so will be treated as a breach of discipline. Specific Health and Safety regulations are located in student guides and clinic log books.

Immunisation against Hepatitis B is compulsory. Immunisation will be facilitated through the Somatology programme.

Students must obtain a current or be in possession of a valid first-aid certificate in order for the qualification to be issued. This will be facilitated through the Somatology programme. Students missing the dedicated course will be required to earn their own certificate at their own cost.

### **12.1.5 Special Tests and Condonement**

No missed assessments will be condoned.

If a student misses an assessment for reasons of illness, a special assessment may be granted if the student provides a valid medical certificate specifying the nature and duration of the illness, and a declaration that for health reasons it was impossible for the student to sit for the assessment. This certificate must be submitted to the Head of Programme no later than five (5) working days after the “fit for duty” date on the medical certificate.

If a student misses an assessment for reasons other than illness, a special assessment may be granted if the student provides a valid declaration that for unavoidable reasons it was impossible for the student to sit for the assessment. This certificate must be submitted to the Head of Programme no later than two (2) working days after the date of the missed assessment.

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

## 12.2 Learning Programme Structure

Code	Subjects	Assessment	Year of Study	Credits NATED	Pre-req Subjects	Co-req Subjects
ASTH101	Aesthetics I	E	1	0.100		
APHY102	Anatomy and Physiology I	E	1	0.130		
BIOT101	Biotics I	E	1	0.150		
CMSK102	Communication Skills I	CA	1	0.080		
NTRI101	Nutrition I	E	1	0.100		
SCIE101	Science I	E	1	0.140		
SMTQ101	Soma Techniques I	E	1	0.300		
CPSK101	Computer Skills I *	CA	3*	0.100		
ANBT201	Anatomy and Physiology II	E	2	0.120	APHY102	
BIOT201	Biotics II	E	2	0.150	BIOT101	
BPRA102	Business Practice I	E	2	0.100		
BTPR301	Beauty Technology Practice III	CA	2		SMTQ101	SMTQ201
NTRI201	Nutrition II	E	2	0.100	NTRI101	
SCIE201	Science II	E	2	0.130	SCIE101	
SPCH101	Socio-Psychology I	E	2	0.100		
SMTQ201	Soma Techniques II	E	2	0.300	SMTQ101	BTPR301
ABSC311	Applied Biological Sciences (Module 1)	E	3	0.050	SCIE201	ABSC321
ABSC321	Applied Biological Sciences (Module 2)	E	3	0.050	SCIE201	ABSC311
BIOT301	Biotics III	E	3	0.150	BIOT201	
BPRA201	Business Practice II	E	3	0.100	BPRA102	
NTRI301	Nutrition III	E	3	0.100	NTRI201	
SPCH201	Socio-Psychology II*	E	3*	0.100	SPCH101	
SMTQ301	Soma Techniques III	E	3	0.300	SMTQ201	SMTQ201
SMTQ201	Soma Techniques Project II	CA	3	0.150	SMTQ201 BTPR301	SMTQ301

A Pre-Req means this subject must be passed prior to registration (pre requisite).

\* Elective between Computer Skills I and Socio Socio-Psychology II.

\* CA Continuous Assessment, E= Examination at the end of Subject/Module

## 12.3 PROGRAMME RULES

### 12.3.1 Minimum Admission Requirements

In addition to Rule G7, the minimum admittance requirement for entry into the programme of study is a National Senior Certificate (NSC) with endorsement for Diploma entry with the following subjects:

<b>Subject</b>	<b>NSC Rating</b>
English (home language)	3
Life Sciences	4
Maths Literacy or Mathematics	3
English First Additional language (as per our rule)	4

The minimum requirement for holders of the Senior Certificate is matriculation exemption with the following subjects at the stated ratings:

<b>Compulsory Subjects</b>	<b>HG</b>	<b>SG</b>
English	E	C
Biology	D	B

In addition: Persons applying must have a prescribed medical stating that they have a clean bill of health.

### **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.

### **Admission of International students**

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

## **12.3.2 Selection Criteria**

In accordance with Rule G5, acceptance into the programme is limited to 25 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 students will be invited to undergo placement testing.

Applicants who pass the placement tests may 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.

This programme offers an Extended Curriculum learning programme for the ND: Somatology. On the basis of the placement assessments, successful applicants for study towards the National Diploma will be accepted into either the three-year (3) minimum; or an augmented, four-year (4) 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.

### **12.3.3 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.

In order to develop the appropriate competency Beauty Practice III and Soma Techniques II will be registered simultaneously at second year level.

In order to develop the appropriate competency Soma Project II and Soma Techniques III will be registered simultaneously at third year level.

Where applicable, the year mark for those subjects where a final examination is written is 40%. The pass mark for subjects that do not have a final examination is 50%. The results for these subjects are determined through a weighted combination of assessments as described in the curricula. There are no supplementary examinations for subjects in which continuous assessment is used.

Where applicable, the final examination may comprise theory or practical or both theory and practical and constitutes 60% of the final mark. In subjects that comprise of two exams papers (Paper I and Paper 2) an exam subminimum of 40% is required in both papers.

### **12.3.4 Re-registration Rules**

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

No student may continue to Soma Techniques II if they have not passed Anatomy and Physiology I and Soma Techniques I.

No student may attempt the next higher level in a subject before they have passed the lower level of that subject.

Applied Biological Sciences III comprises Module 1 and Module 2. Both Modules must be registered for simultaneously. Credit for Applied Biological Science III will only be obtained once both modules have been passed. Failure of either of the modules will result in a supplementary if so granted, a rewrite, or a separate re-registration with the credit for the module passed being retained.

### **12.3.5 Exclusion Rules**

In addition to Rule G17, the following programme rules apply:

A first year student who fails three or more subjects with a subminimum of less than 40% in that year will not be permitted to re-register in the Department of Somatology. De-registration for a subject will be regarded as a fail. Permission to re-apply will be at the discretion of the Departmental Appeal Committee.

### **12.3.6 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.

### 12.3.7 Work Integrated Learning Rules

Somatology requires the student/candidate to undergo a period of experiential learning as part of the course. The prescribed experiential component (BTPR301) must be passed in order to obtain sufficient credits to qualify for the qualification. A minimum period of 120 hours is required. WIL may be completed in Clinic Technique or in an approved Somatology practice. Refer to Beauty Technology Practice III student guide for more detail.

## 13 NATIONAL DIPLOMA: SOMATOLOGY (EXTENDED CURRICULUM) (NDSMFI)

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

### 13.1 PROGRAMME INFORMATION

The following information from the National Diploma: Somatology applies to ECP students as well. Please refer to these points.

13.1.1 Code of Conduct for Students

13.1.2 Uniforms

13.1.3 Attendance

13.1.4 Health and Safety

13.1.5 Special Tests and Condonement

### 13.2 Learning structure

Please refer to point 12.2.

Code	Subjects	Assessment	Year of Study	Credits NATED	Pre-req Subjects	Co-req Subjects
ASTH101	Aesthetics I	E	1	0.60		
APHY102	Anatomy and Physiology I	E	1	0.65		
BIOT101	Biotics I	E	2	0.75		
CMSK102	Communication Skills I	CA	1	0.40		
NTRI101	Nutrition I	E	2	0.60		
SCIE101	Science I	E	2	0.70		
SMTQ101	Soma Techniques I	E	2	0.150		
CPSK101	Computer Skills I	CA	1	0.50		
WELL111	Wellness (Module 1)	CA	1	0.195		
WELL121	Wellness (Module 2)	CA	2	.0.395	WELL111	
ANBT201	Anatomy and Physiology II	E	2	0.60	APHY102	
BIOT201	Biotics II	E	3	0.150	BIOT101	
BPRA102	Business Practice I	E	3	0.100		
BTPR301	Beauty Technology Practice III	CA	3		SMTQ101	SMTQ201

NTRI201	Nutrition II	E	3	0.100	NTRI101	
SCIE201	Science II	E	3	0.130	SCIE101	
SPCH101	Socio-Psychology I	E	3	0.100		
SMTQ201	Soma Techniques II	E	3	0.300	SMTQ101	BTPR301
ABSC311	Applied Biological Sciences (Module 1)	E	4	0.050	SCIE201	ABSC321
ABSC321	Applied Biological Sciences (Module 2)	E	4	0.050	SCIE201	ABSC311
BIOT301	Biotics III	E	4	0.150	BIOT201	
BPRA201	Business Practice II	E	4	0.100	BPRA102	
NTRI301	Nutrition III	E	4	0.100	NTRI201	
SMTQ301	Soma Techniques III	E	4	0.300	SMTQ201	SMTQ201
SMTQ201	Soma Techniques Project II	CA	4	0.150	SMTQ201 BTPR301	SMTQ301

### 13.3 Programme Rules

#### 13.3.1 Minimum Admission Requirements

In addition to Rule G7, the minimum admittance requirement for entry into the programme of study is a National Senior Certificate (NSC) with endorsement for Diploma entry with the following subjects:

Subject	NSC Rating
English	3
Life Sciences	4
Maths Literacy or Mathematics	3
English First Additional language (as per our rule)	4

The minimum requirement for holders of the Senior Certificate is matriculation exemption with the following subjects at the stated ratings:

Compulsory Subjects	HG	SG
English	E	C
Biology	D	B

In addition: Persons applying must have a prescribed medical stating that they have a clean bill of health.

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

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

#### **Admission of International students**

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

#### 13.3.2 Selection Criteria

In accordance with Rule G5, acceptance into the programme is limited to 20 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 students will be invited to undergo placement testing. Applicants who pass the placement tests may 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.

This Extended Curriculum learning programme for the ND: Somatology has been devised in order to enhance student development and to improve the student's chances of successful completion. 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 the augmented, four-year minimum, programme of study.

### **13.3.3 Pass Requirements**

Notwithstanding the DUT pass requirements (G14 and G15), and the Rules under 10.3.3 for the ND: Somatology, 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.

### **13.3.4 Re-registration Rules**

In addition to Rule G16, and the Rules under 10.3.4 for the ND: Somatology, the following rules apply.

Applicants considered for the ECP will register only for Wellness I, Aesthetics I, Anatomy and Physiology I, Communication Skills I and Computer Skills I. Students registered in the first year of the ECP will only be eligible for subsequent registration in the Department of Somatology if they pass all of the above subjects or a minimum of Wellness I, Communication Skills I and Aesthetics I.

### **13.3.5 Exclusion Rules**

In addition to Rule G17, and the Rules under 10.3.5 for the ND: Somatology, the following programme rules apply:

A first year ECP student who fails three or more subjects with a subminimum of less than 40% in that year will not be permitted to re-register in the Department of Somatology.

An ECP student cannot re-register for the National Diploma: Somatology if they have not passed Soma Techniques I and Wellness Module II in the subsequent year of registration.

### **13.3.6 Interruption of Studies**

In addition to Rule G21A(b), the minimum duration for this programme will be four (4) 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.

### **13.3.7 Work Integrated Learning Rules**

Somatology requires the student/candidate to undergo a period of experiential learning as part of the course. The prescribed experiential component (BTPR301) must be passed in order to obtain sufficient credits to qualify for the qualification. A minimum period of 120 hours is required. WIL may be completed in Clinic Technique or in an approved Somatology practice. Refer to Beauty Technology Practice III student guide for more detail.

### **13.4 SUBJECT CONTENT (See 16.1 below)**

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

## **14 BACHELOR OF TECHNOLOGY: SOMATOLOGY (BTSOMI)**

### **14.1 Programme Information**

This programme is offered full time over one (1) year or part time over two (2) years to enable the student to gain the required competencies. For part-time students the theory subjects are completed in the first year and Soma Project IV is completed in the second year. For full time students all subjects including the Soma Project IV need to be done in one year.

NB: The following information from the National Diploma: Somatology applies to BTech students as well.

Please refer to these points.

12.1.1 Code of Conduct for Students

12.1.2 Uniforms

12.1.3 Attendance

12.1.4 Health and Safety

12.1.5 Special Tests and Condonement

### **14.2 Learning Programme Structure**

Code	Subjects	Assessment Credits	NATED Code	Pre-req
RMTN201	Research Methodology: Natural Sciences	CA	0.150	
NTRI401	Nutrition IV	E	0.150	
BIOT401	Biotics IV	E	0.150	
SMTQ401	Somatology Techniques IV	E	0.300	
SMTP401	Somatology Project IV	CA	0.250	RMTN201

\*A Pre-Req means this subject must be passed prior to registration (prerequisite).

### **14.3 Programme Rules**

#### **14.3.1 Minimum Admission Requirements and Selection Criteria**

In addition to Rule G23A (1), G3, G4, and G7, persons must be in possession of a ND: Somatology or have been granted status or advanced standing according to Rule G10. In accordance with Rule G5, acceptance into the programme is limited to 15 places, and entry into the BTech programme is not automatic. Selection will be on the basis of academic performance as determined by a ranking system. Working experience will be an added advantage for those students not applying directly from the National Diploma.

#### **14.3.2 Pass Requirements**

In addition to Rule G14 and G15, the following rules apply. Students are encouraged to apply themselves to their studies, and strive for the best academic results possible in order to adequately prepare themselves for their future careers.

There will be no supplementary examination in the following continuously assessed

- Research Methodology: Natural Sciences
- Somatology Project IV

#### **14.3.3 Re-registration Rules**

The rule G16 applies.

#### **14.3.4 Exclusion Rules**

The rule G 17 applies.

#### **14.3.5 Interruption of Studies**

In accordance with Rule G23A, the maximum duration will be two (2) 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.

#### **14.3.6 Minimum Duration**

The minimum duration is one (1) year of full time registered study, or two (2) consecutive years of registered part time study, including any periods of work integrated learning.

*(w.e.f. 2013/11)*

### **14.4 SUBJECT CONTENT (See 16.1 below)**

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

## **15. MASTER OF HEALTH SCIENCES: SOMATOLOGY (FULL RE-SEARCH OPTION) (MHSOMI)**

### **15.1 Programme Information**

This full research qualification is aligned to Rule G24 and the guidelines in the Post Graduate Student Handbook. In addition to Rule G24 (4), postgraduate assessment of dissertations will be aligned to Postgraduate policies and guidelines. Please refer to the General Student Handbook and the Postgraduate Student Handbook.

A concept document will be completed by applicant to provide clarity as to area of study so that a suitable supervisor can be appointed.

The student will be expected to defend their proposal by presenting it first to the programme research committee. Once passed the student will be required to present to the faculty research committee and invited faculty academics and students.

The proposal will then be submitted to the Ethics committee

Commencement with data collection will only occur once these above steps have been completed

### **15.2 Learning Programme Structure**

Code	Module	Year of Study	Assessment Type	SAQA credits	Pre-requisites subjects	Co-requisite subjects
RPLB501	Research project (first registration)	5	E	-		-
RPLB511	Research project (first registration)	5	E	-	-	-
RPLB521	Research project (first registration)	5	E	-	-	-

## **15.3 PROGRAMME RULES**

### **15.3.1 Minimum Admission Requirements and Selection Criteria**

In addition to Rule G24 (1), persons must be in possession of a BTech: Somatology or have been granted status or advanced standing according to Rule G10. Please also refer to the Postgraduate Student Handbook.

In accordance with Rule G5, acceptance into the programme is limited, and entry into the MTech programme is not automatic.

### **15.3.2 Pass Requirements**

Please refer to Rule G24 and the Postgraduate Student Handbook. Students are encouraged to apply themselves to their research, and strive for the best academic results possible in order to adequately prepare themselves for their future careers.

### **15.3.3 Re-registration Rules**

Please refer to Rule G24 (2), Rule G26 (5) and the Postgraduate Student Handbook.

### 15.3.4 Exclusion Rules

Please refer to Rule G24 (1)(d); Rule G24 (2), and the Postgraduate Student Handbook.

### 15.3.5 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. 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.

## 16. SOMATOLOGY: SUBJECT CONTENT

### 16.1 National Diploma: Somatology

Subject Name and Code	Learning Area/Content	Assessment plan
<b>FIRST YEAR</b>		
<b>AESTHETICS I (ASTH101)</b>	General make-up, Principles of colour and form, Hand and foot care treatments, Temporary hair removal	Theory tests 20% Practical mark 20% Examination 60% (one 3-hour theory paper.)
<b>ANATOMY AND PHYSIOLOGY I (APHY102)</b>	Terminology, Regions of the body, Living matter (Protoplasm), Biochemistry (Organic and inorganic chemistry) The cell, Basic histology and classification of the different type of tissue found in the body The skeletal system, the skin, the nervous system, Circulatory system, Practical work	Theory tests 30% Practical mark 10% Examination 60% (one 3-hour theory paper.)
<b>BIOTICS I (BIOT101)</b>	Theory: Exercise Theory, Wellness Components, Movement, Applied anatomy, Anthropometry, Aerobic programming, Injury prevention. Practical: Aerobic participation, Body analysis, Music planning	Theory tests 20% Practical mark 20% Examination 60% (one 2-hour theory paper + Prac examination.)
<b>BUSINESS PRACTICE I (BPRA102)</b>	Introduction to the business environment, Marketing orientation, Non-verbal communication, Verbal communication Written business communication, Professional conduct, Personal selling orientation, Personal selling technique Sales administration	Theory tests 40% Examination 60% (one 3-hour theory paper.)
<b>COMMUNICATION SKILLS (CMSK102)</b>	Written and correspondence skills for the Somatologist, Oral presentation and demonstration skills	Theory tests 100%
<b>COMPUTER SKILLS (CPSK101)</b>	Introduction, Hardware, Software, Data Communication	Theory tests 80% Assignments 20%
<b>NUTRITION I (NTRI101)</b>	Basic concepts, Food and nutrient guides, Detailed study of nutrients, Energy metabolism, Meal planning	Theory tests 26% Practical mark 14% Examination 60% (one 2-hour theory paper.)
<b>SCIENCE I (SCIE101)</b>	Weights and measures. Nature of matter. Two phase preparations. Properties of solids, liquids and gases Heat, Water, Saponification, Acids, bases, salts and neutralization, Oils, fats and waxes. Vegetable/animal/ mineral	Theory tests 40% Examination 60% (one 3-hour theory paper.)

	Starches and gums, Gels, resins and synthetic mucilages, Colours, lakes, pigments and dyes	
<b>SOMA TECHNIQUES I (SMTQ101)</b>	Basic facial and décolleté treatments, Hygiene, Applied facial and décolleté treatment Equipment and treatment building, Introduction to preheating techniques, Swedish Massage Skin analysis including skin disorders, Product training	Theory tests 20% Practical mark 20% Examination 60% (one 3-hour theory paper + Prac Examination.)
<b>WELLNESS MODULE (WELL111) (ECP only)</b>	I Integrated Learning	Continuous Assessment comprising of both theory and practical tests The final mark shall be made up of various assessments totalling 100%
<b>SECOND YEAR</b>		
<b>ANATOMY AND PHYSIOLOGY II (ANBT201)</b>	The skin, Sensory organs, the lymphatic system, the digestive system (Metabolism and nutrition), the urinary system, the excretory organs, the reproductive system, Endocrine system, Immunology (Immune System), Respiratory system, Fluids and electrolytes, Practical work	Theory tests 30% Practical mark 10% Examination 60% (one 3-hour theory paper.)
<b>BIOTICS II (BIOT201)</b>	Exercise Theory -Anthropometry, Physiology of Exercise, Energy systems, Diseases; Practical -Anthropometry, Step, toning and stretching class	Theory tests 20% Practical mark 20% Examination 60% (one 3-hour theory paper + Prac Examination)
<b>BUSINESS PRACTICE (BPRA201)</b>	II Identify marketing opportunities, Location, Product/Service strategy, Pricing Strategy, Advertising Sales promotions, Public Relations, Legal aspects	Theory tests 40% Examination 60% (one 3-hour theory paper.)
<b>SCIENCE II (SCIE201)</b>	A. Physics- Light, Magnetism, Electricity, Sound B. Organic Chemistry- Molecular and structural formulae, Alkane series, alkenes, Alcohols, Organic acids and salts C. Applied Cosmetology- Preparations of cosmetic emulsions	Physics tests 24% Cosmetology Test 16% Examination 60% (one combined 3-hour theory paper.)
<b>SOCIO-PSYCHOLOGY (SPCH101)</b>	I A. The concept of psychology science, Personality development, Intelligence, Emotion, Motivation, Psychology of society B. Sociology, Family systems, Socialisation process, Society and culture, Social change C. Developmental Psychology - The adolescent client, The mature client, The middle-aged client, The old-aged client	Theory tests 40% Examination 60% (one 3-hour theory paper.)
<b>SOMA TECHNIQUES (SMTQ201)</b>	II Facial and décolleté treatments Skin analysis including diseases and disorders, Surgery/support complimentary, Skin exfoliators Equipment and treatment building Body treatments Body analysis, Equipment and treatment building, Surgery/support complimentary, Weight control including cellulite Permanent hair removal, Product training	Theory tests 20% Practical mark 20% Examination 60% (one 3-hour theory paper + Prac Examination)
<b>SOMA TECHNIQUES PROJECT II</b>	Various techniques and the application	No exam

(SMTP201)	thereof	This subject comprises the experiential training section of the curricula. Continuous Assessment - The final mark shall be made up of various assessments totalling 100%
<b>WELLNESS MODULE (WELL121) (ECP only)</b>	2 Integrated Learning	Continuous Assessment comprising of both theory and practical tests The final mark shall be made up of various assessments totalling 100%
<b>THIRD YEAR</b>		
<b>APPLIED BIOLOGICAL SCIENCES III Module One (ABSC311)</b>	Introduction to Pharmacology; Introduction to Pathology <i>Module One and Module Two are assessed individually and each require a sub-minimum pass of 50%</i>	Theory tests 40% Examination 60% (one 3-hour theory paper.)
<b>BEAUTY TECHNOLOGY PRACTICE III (BTPR301)</b>	This subject comprises the qualifying section of the work integrated learning (WIL) which on passing will allow the student to complete Soma Techniques Project II, the formal work integrated learning section of the curricula. Various techniques and the application thereof. (refer to student guide)	Assessment 100%
<b>BIOTICS III (BIOT301)</b>	Exercise Theory - Injuries, Stress management, Exercise and pregnancy, Fitness Evaluation; Practical - Advanced aerobics and callanetics classes, Fitness evaluation, Gymnasium equipment Personal training, Pre- and post-natal exercise	Theory tests 20% Practical mark 20% Examination 60% (one 3-hour theory paper + Prac Examination.)
<b>NUTRITION III (NTRI302)</b>	Therapeutic nutrition, Nutritional guidance	Theory tests 26% Practical mark 14% Examination 60% (one 2-hour theory paper.)
<b>SOCIO-PSYCHOLOGY (SPCH201)</b>	II A. Abnormal psychology in the changing society, Frustration, conflicts and stress, Neurosis and psychoses, Pathological manifestations B Basic principles and handling techniques	Theory tests 40% Examination 60% (one 3-hour theory paper.)
<b>SOMA TECHNIQUES (SMTQ301)</b>	III Facial and body treatments Manual /Compilation of massage movement, Reflexology (Zone Therapy), Aromatherapy, Stress management Physical and Psychological changes occurring during life stages/diseases/disorders New developments and technology in treatments, Permanent hair removal	Physics tests 20% Cosmetology Tests 20% Examination 60% (one combined 3-hour theory paper + Prac Examination.)
<b>16.2 Bachelor of Technology: Somatology</b>		
<b>FOURTH YEAR</b>		
<b>BIOTICS IV (BIOT401)</b>	Exercise Theory- Women and exercise, Children and exercise, new developments, Exercise and illness, Motivation, Marketing and Sales, Legal aspects, Exercise and the aged, CHD and exercise, Practical- Mother/children's classes, Children's classes, Aqua aerobics	Theory tests 20% Practical mark 20% Examination 60% (one 3-hour theory paper + Prac Examination)
<b>NUTRITION IV (NTRI401)</b>	Disorders of the mouth and gastrointestinal tract, Disorders of the liver and	Theory tests 20% Practical mark 20%

	biliary tract Diet modifications for: metabolic and endocrine disorders, disease of the kidney and urinary tract, disorders of the blood and cardiovascular system, disorders of the brain and nervous system, disorders of the skeletal system, and disorders of the skin	Examination 60% (one 3-hour theory paper.)
<b>SOMA TECHNIQUES IV (SMTQ401)</b>	Aromatherapy or Specialized Massage Techniques, Plus any two of the following: Diathermy, Stress management or Camouflage make-up	Theory tests 20% Practical mark 20% Examination 60% (one 3-hour theory paper + Prac Examination.)
<b>SOMATOLOGY PROJECT IV (SMTP401)</b>	This project should be conducted with the co-operation of the student's employer (or suitable alternative for private students). The project must be of an applied nature (as far as possible) and the report must be typed in double spacing and bound in a format acceptable to the University. Successful completion of the project may, in addition to the report, include either an oral or written examination or both.	Practical mark 100%
<b>RESEARCH METHODOLOGY: NATURAL SCIENCES (RMTN201)</b>	Aim, nature and meaning of research, the research process and general procedures, Analysis, Proposal	Theory tests and assignments 100%

### 16.3 Master of health sciences: Somatology

FIFTH YEAR		
<b>MHSOMI</b>	Full dissertation	Examinable