



# 2019 HANDBOOK Medical Orthotics & Prosthetics

# HANDBOOK FOR 2019

# FACULTY OF Health Sciences

DEPARTMENT of MEDICAL ORTHOTICS AND PROSTHETICS BHSc. Medical Orthotics and Prosthetics

#### 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 DUT General Handbook for Students as well as the relevant subject Study Guides.

Your attention is specifically drawn to Rule G1 (8), and to the process of dealing with students issues.

# FACULTY of HEALTH SCIENCES FACULTY VISION, MISSION, & VALUES

(2017 - 2019)

# Vision

"Leading Transformativeand Innovative Health Sciences Education"

### **Mission Statement**

"Developing Holistic Professionals responsive to Healthcare needs Through excellence in:

- Teaching and Learning
- Research, Innovation and Engagement
- Fostering Entrepreneurship

# Values

#### Professionalism

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

#### Integrity

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

### Ubuntu

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

#### Transparency

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

#### Accountability

(To accept responsibility for ones actions).

# **DEPARTMENTAL MISSION VALUES & GOALS**

### Vision:

Pioneering Scholarship and Innovation in Orthotics and Prosthetics

# **Mission:**

"Developing Practitioners responsive to Global Orthotic and Prosthetic needs" through:

- I. Teaching and Learning
- 2. Research and Engagement
- 3. Entrepreneurship
- 4. Technology and Advancement

# VALUES

Integrity

(Non- maleficence: Do no harm. Honesty. Fairness. Transparency)

Professionalism

(Maintaining ethical standards, principles and guidelines. Independent, proactive and self-sufficient)

Compassion

(To understand, have empathy and consider another's situation)

Creativity

(Logic. Out-the-box thinking. Think on your feet. Question. Be authentic. Uniqueness. Stand out)

## **Departmental Goals:**

- To strategically position the department in the Higher Education sector.
- o To advance education and research in orthotics and prosthetics.
- To enrich teaching and learning in orthotics and prosthetics through mechanisms designed for continuous improvement.
- o To continually advance scholarship and expertise of all stakeholders.
- To partner with, and engage in, community advancement initiatives.
- To adopt an ethos of excellence in Higher Education.

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# I. DEPARTMENTAL & FACULTY CONTACT DETAILS

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Mansfield Site Area, Ritson Campus	5
Executive Dean	: Prof Nokuthula Sibiya
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Email	: bilkishk@dut.ac.za
Location	: Executive Dean's Office, Gate 8, Steve Biko Road, Mansfield Site Area, Ritson Campus

2. STAFFING Head of Department: (Acting)	Name and Qualification Mr B Nothling: NHD: Med Orth & Prosth (TUT)
Lecturers:	Mr M Calitz: NHD: Med Orth & Prosth (TUT) Mr N van der Merwe: NHD: Med Orth & Prosth (TUT)
Secretary:	Ms N Thabethe: B.Tech: Business Admin (DUT)

#### 3. DEPARTMENTAL INFORMATION & RULES

# 3.1 Programmes offered by the department

The department offers only one programme namely: Medical Orthotics and Prosthetics

#### 3.2 Qualifications offered by the department

Only one qualification is offered in this department. Upon successful completion, the learning programme will lead to the award of the following qualification.

Qualification	Qual Code	SAQA NLRD Number	Important dates
BHSc. (Medical Orthotics and Prosthetics)	ВНМОР3	91786	First offered July 2013

#### 3.3 Departmental Information

The establishment of the Department of Medical Orthotics and Prosthetics was approved by the Senate of the Durban University of Technology (DUT) in 2012, in preparation for the introduction of the BHSc: Medical Orthotics and Prosthetics in 2013. Development of this qualification was requested by the Department of Health in KwaZulu Natal, and classes will be offered at both DUT campuses and at Wentworth Hospital.

The following information must be read in conjunction with the programme rules.

#### 3.3.1 Academic Integrity

Attention is drawn to the General Rules pertaining to academic integrity GI3(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/Confidentiality

In addition to the DUT General Rules pertaining to Student Conduct SR3(3), a professional code of conduct pertaining to behaviour, appearance, personal hygiene, and dress shall apply to all students registered with the Faculty of Health Sciences, at all times.

Due to the nature of this course and the clinical environment that is encountered on a daily basis, strict patient confidentiality and respect needs to be adhered to at all times. Please consider the patient as well as the family of the patient.

Use common sense and empathy in your approach, so that an understanding of trust and care is fostered and nurtured between you and your patient (See Rule 4.3.8).

#### 3.3.3 Uniforms

Students must adhere to instructions regarding specific uniforms required

during practical's and clinic sessions. Because of public interaction in the clinical environment, it is important to maintain a high standard of dress code and behavior (See Rule 4.3.8).

#### 3.3.4 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, rule 4.3.3.2 below will be applied.

### 3.3.5 Health and Safety

Students must adhere to all Health and Safety regulations both at DUT and in Work Integrated Learning (WIL) placements. Failure to do so will be treated as a breach of discipline. Extreme care and caution need to be observed, as working in the laboratories could present itself with potentially hazardous situations where injury can occur. Please respect these rules, for your own safety and protection.

The Department of MOP's additional requirements for laboratory or clinics includes the use of safety equipment required for laboratory or clinical work, as well as infection control (latex gloves, safety glasses and ear plugs), when required. Use of the laboratories will be dependent on students following the rules, regulations, policies and procedures of the facility that will be on display within the labs.

## 3.3.6 Work Integrated Learning

Work integrated learning (WIL) will be undertaken for approximately six (6) months to fulfil the required hours in the 4th year of study (Clinical practice 4 A and B) at Wentworth Hospital for students holding a Kwa-Zulu Natal Department of Health bursary, and Satellite clinics located within the Kwa-Zulu Natal Department of Health facilities/hospitals may also be used. Should the need arise, then alternative suitable sites of WIL will be sourced within South Africa. Additional placement for Advanced Clinical Practice will be by choice of the students, any practice that has been approved by the department and University as a WIL training facility may be approached for WIL. The onus is on private students to find placement, albeit that the department will liaise with private and government institutions to help facilitate WIL as far as possible.

#### 3.3.7 Service Modules

Students need to make themselves familiar with the guides and specific rules that may apply to serviced modules, and with the departments running these modules.

#### 3.3.8 Registration with the Professional Board

As a Student: Within two weeks of registration with the Department of MOP students are required to register as Student Orthotists and Prosthetists with the HPCSA, as determined in the regulations set out in the HEALTH PROFESSIONS ACT, ACT No. 56 of 1974, as amended by Act No. 29 of 2007, and on the recommendation of the Health Professions Council of South Africa as well as the Professional Board for Occupational Therapy, Medical Orthotics and Prosthetics, and Arts, by submission of Form 53 as well as the relevant fee.

**As a Graduate**: On successful completion of the qualification, and the completion of the required hours of Clinical Practice in the fourth year of study, a graduate who has satisfied the requirements of the Professional Board for Occupational Therapy, Medical Orthotics and Prosthetics and Arts Therapy, may register as a qualified Medical Orthotist and Prosthetist with the HPCSA. The HPCSA has the authority to institute a further six months supervised practice, should the student not have met the desired HPCSA requirements for independent practice registration. Further registration with the Board of Healthcare Funders of SA [BHF] is permitted after the graduate has received his/her HPCSA registration as an independent practitioner.

#### 3.3.9 Student Appeals

Rule GI (8) of the DUT General Handbook applies.

#### 4. BACHELOR OF HEALTH SCIENCES IN MEDICAL ORTHOTICS & PROSTHETICS (BHMOP3)

#### 4.1 Programme Information

The purpose of this qualification is to develop a graduate competent in the knowledge, attitudes, insight and skills required for the orthotic and prosthetic professions. The qualifying graduate will be able to competently apply and integrate theoretical principles, evidence-based techniques, practical experience, clinical procedures, and appropriate skills. The programme of study will produce a well-rounded graduate who will be capable of practicing as a clinician, developing and managing a clinic or a laboratory, or providing services as a private practitioner. The graduating student will be a team player capable of working in multidisciplinary teams, with the ability to constructively advance the profession.

# 4.2 Programme Structure for the Bachelor of Health Sciences in Medical Orthotics & Prosthetics

Code	Subject/Module	Year of study	type (CA/E)		Pre-Requisite Subjects	Co- requisite Subjects
				Year I		
PSICI0I	Physics	I	CA	12		
CSTNIOI	Cornerstone	I	CA	12		
MTMS101	Mathematics	I	CA	8		
MTSCI0I	Materials Science	I	CA	12		
BIMC101	Biomechanics I	I	CA	16		
ANMY101	Anatomy I	I	СА	20		
POPRIOI	Principles of Orthotics and Prosthetics	I	Ca	28		
CLCPI0I	Clinical Practice	I	CA	24		
	•		•	Year 2		
CGRC101	Computer and graphical communication	2	CA	12		
ETRN101	Electronics	2	СА	8	BIMC101&PSIC101	
ANMY201	Anatomy 2	2	CA	12	ANMY101	
CHRIIOI	Community Health Care and Research- Intro	2	CA	12		
PYSL102	Physiology for MOP	2	CA	16		
BIMC201	<b>Biomechanics 2</b>	2	СА	12	BIMC101&PSIC101	
POPR201	Principles of Orthotics and Prosthetics 2	2	CA	28	POPRI01,BIMC101, CLCP101	
CLCP201	Clinical Practice 2	2	CA	28	CLCP101, BIMC101 & POPR101	

EMDLIOI	Ethics and Medical Law	2	CA	8	
				Year 3	
	Community Healthcare and Research- Intermediate		CA	12	CHRIIOI
CLCSIOI	Clinical Studies	3	CA	16	PYSL101,ANMY101 &201
PYCL101	Psychology	3	CA	12	
BPHY101	Basic Pharmacology	3	CA	12	PYSL101,ANMY101 &201
BIMC301	<b>Biomechanics 3</b>	3	CA	12	BIMC101&201,POPR101&201
POPR301	Principles of Orthotics and Prosthetics 3	3	CA	32	POPR101&201,BIMC201,CLCP201
CLCP301	Clinical Practice 3	3	CA	24	POPR201,BIMC201,CLCP201
				Year 4	4
CLCS201	Clinical Studies	4	CA	24	CLCS101
CLPO401	Clinical Practice IVA (Orthotics)	4	CA	32	CLCP301,POPR301
CLPP401	Clinical Practice IVB (Prosthetics)	4	CA	32	CLCP301,POPR301
CLBM101	Clinic, Laboratory and Business Management	4	CA	16	
CHRAIOI	Community Healthcare and research- Advanced	4	CA	12	CHRII0I,CHRNI0I
ACLP401	Advanced clinical practice	4	CA	8	CLCP301,POPR301

#### 4.3 Programme Rules

In addition to the rules in the General Handbook, the following programme rules apply:

#### 4.3.1 Minimum Admission Requirements

In addition to Rule G7, the following requirements must be met: National Senior Certificate (NSC) with endorsement for degree entry, with the following subjects:

Subject	NSC Rating
English	3
Life Sciences	4
Physical Sciences	4
Mathematics	4
Two additional 20 credit subjects, only one	
of which may be an additional language.	4

#### Or

Senior Certificate with matriculation exemption with the following subjects at the stated ratings:

Compulsory Subjects	HG	SG
English	E	С
Biology	D	В
Physical Sciences	D	В
Mathematics	D	В
(Approved: Senate 29/08/2012)		

# Admission requirements based upon Work Experience, Age and Maturity, and RPL

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. (Approved: Senate 29/08/2012)

#### 4.3.2 Selection Process

In accordance with Rule G5, acceptance into the programme is limited to 30 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). i) Applicants must have:
- a) Normal eye sight. Spectacles/contact lenses that provide 20/20 vision are considered acceptable.
- b) Completed at least 8 hours of voluntary service in a Prosthetic and Orthotic environment, for which a report must be submitted prior to being invited to the interview process. (Available from DUT-Dept.of Med.O&P-form RBIOP.) ii) Applicants who meet the above criteria:

- c) Will be invited to a manual dexterity test and for an interview.
- d) Applicants will be ranked on points earned according to the table below:

Assessment	Weighting
Results of the Senior Certificate or National Senior Certificate	35%
Dexterity Score	40%
Interview Score	25%

e) The 30 top-ranked applicants will be selected for access into the programme.

(Approved: Senate 29/08/2012)

#### 4.3.3 Pass Requirements

#### 4.3.3.1 Assessment and Moderation

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 module at the back of this handbook.
- Moderation follows the DUT requirements.
- Assessment includes both formative and summative assessment.
- A variety of assessment methods are used which include, but are not limited to, written tests, oral tests, OSCE testing, practical and clinical examinations, group work and assignments.
- Where applicable, the year mark component for those modules where a final examination is written is 40% of the final result.
- Where applicable, the final examination may comprise of theory or practical elements, or both theory and practical elements, and will constitute 60% of the final mark.
- Further to DUT rules G14 and G15, the final mark for examined modules is determined as follows: Final mark (100%) = 40% year mark + 60% final examination mark.
- For modules that do not have a final examination, the results are determined through a weighted combination of assessments, as described in the study guide. There are no supplementary examinations for these modules. The course mark then constitutes 100% of the final mark.

(Approved: Senate 29/08/2012)

#### 4.3.3.2 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 who fails to write it, shall be awarded a zero mark for the missed assessment.
- Any student who fails to submit an assignment on time will be penalized with a 5% deduction in marks for each day that the assignment remains outstanding, subject to a student producing a valid reason or a Doctors certificate.

#### 4.3.4 Re-registration rules

Rule G16 of the General Handbook for students applies. (Approved: Senate 29/08/2012)

#### 4.3.5 Exclusion Rules

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

A first-year student who fails three or more modules, each with less than 40%, is not permitted to re-register in the Department of Medical Orthotics and Prosthetics. De-registration from any subject is subject to the provisions of rule G6(2).

(Approved: Senate 29/08/2012)

#### 4.3.6. Interruption of studies

In accordance with Rule G23 B(2) and (3), the minimum duration for this NQF level 8 programme will be four (4) years of registered study, and the maximum duration will be six (6) 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. (Approved: Senate 29/08/2012)

# 4.3.7 Registration with the Health Professions Council of South Africa (HPCSA) and the Professional Board.

As a student, registration with the HPCSA is compulsory. This will be done via the MOP programme. (*Approved: Senate 29/08/2012*)

### 4.3.8 Code of Conduct for Students

In addition to the General rules pertaining to Student Conduct SR(3), a professional code of conduct pertaining to behaviour, appearance, personal hygiene and dress code shall at all times apply to all students registered with the Faculty of Health Sciences.

- Students registered in the programme will be required to adhere to the dress code as determined by the Head of the Programme, with regard to specific uniforms required during practical's and clinic sessions. The uniform required is a white clinic coat or scrub recommended by DUT, to be worn separately or over normal attire. Formal trousers or denim jeans, black or charcoal in colour, and the use of safety boots and aprons, are required in the laboratory.
- Students are not allowed to access the general Wentworth Hospital facilities, unless for bona fide medical reasons. In those cases where access is required, supervised access may be granted.
- Students must adhere to all Health and Safety regulations, both at DUT's Wentworth Hospital teaching facility, at the DUT main campus, and in clinical placements. Failure to do so will be treated as a breach of discipline. Students are required to follow the correct channels of communication at all times. This begins with the students lecturer, thereafter the line of communication will only be entertained by the HOD should the lecturer not have resolved or attended to the request.
- Students are to advise any faults discovered on machinery immediately to the lecturer delivering clinical practice.
- It remains the students responsibility to keep work stations clean at all times. Work in the plaster room will be contingent on the plaster room having been cleaned properly each day. Cleaning staff are not responsible to clean after students, but merely keep the facility and ablutions clean.
- Immunisation against Hepatitis B is compulsory. Immunisation will be facilitated through the MOP programme.
- Students must be in possession of a valid first-aid certificate in order for the qualification to be issued. This will be facilitated through the MOP programme. Students missing the specified course will be required to earn their own certificate at their own cost.

# 5. MODULE CONTENT

**NB**: Students are to read this section in conjunction with the relevant study guide. Detailed assessment plans will be found in the Study Guides.

# The year one / level one subjects are afforded in the first and / or second semester.

Module name & code	Learning areas/ content	Assessment Plan
Year I		
PHYSICS (PSIC101)	Terminology and units, Vector and scalar quantities, Linear/angular motion and motion of a solid body, Resolution of forces and movements in two dimensions, Equations of equilibrium, Free body diagrams, Calculations of centre of gravity and mass, Newton's Laws of Motion, Work, power and energy, Strength of materials: stress, strain and Hooke's Law.	48 contact hours/ 120 notional hours Lectures 48hrs Tutorials 18hrs Independent study 48hrs Assessment 6hrs Assessment Plan —There is no final examination for this module. See Study Guide for details.
Cornerstone(CSTN101)	Serviced by the institution	48 contact hours/120 notional hours
MATHEMATICS	Elementary mathematics:	32 contact hours/ 80 notional hours
(MTMS101)	simple algebraic manipulation, indices, logarithms, solution of equations, trigonometric functions, standard trigonometric identities, solution of simple trigonometric equations; Functions: polynomial, rational, exponential, logarithmic; Differentiation: simple techniques, use in optimisation and curve sketching; Integration: simple techniques, evaluation of areas, use of approximation procedures; Differential equations: first order equations, uses in biological modelling; Mastery and usage of resources such as mathematical table, formulae and calculators.	Lectures 32hrs Tutorials 8hrs Independent study 36hrs Assessment 4hrs <b>Assessment Plan</b> —See Study Guide for details.

MATERIALS SCIENCE	Steel and its alloys, Non-	48 contact hours/ 120 notional hours	
(MTSCI0I)	ferrous metals and their	Lectures 48hrs	
	alloys; Plastics: thermo	Assignments I 5hrs	
	forming, thermosetting;	Independent study 48hrs	
	Composites,	Assessment I4hrs	
	polyurethanes/E.V.A.,	Assessment Plan — There is no	
	Silicones, Wood, Leather,	final examination for this module. See	
	Plaster of Paris, Adhesives.	Study Guide for details.	
BIOMECHANICS I	The anatomical planes and	64 contact hours/ 160 notional hours	
(BIMC101) -	reference points of the	Lectures 32hrs	
	body; Ranges of	Practicals 24hrs	
	movement (lower/upper	Tutorials I 6hrs	
	limbs and spine), normal	Case studies I 6hrs	
	gait (introduction to	Independent study 64hrs	
		Assessment 8hrs	
	-	Assessment Plan — There is no	
	to amputee and	final examination for this module. See	
	pathological gait, Kinematic analysis of limbs;	Study Guide for details.	
	Introduction to relevant		
	biological tissues and their		
	mechanical properties;		
	Prosthetic and orthotic		
	measurement techniques;		
	Anatomical joint types,		
	their functions and		
	interactions; Muscle		
	physiology and		
	biomechanics in relation to		
	joint functions; The		
	interaction of anatomical		
	joints and		
	prosthetic/orthotic joints;		
	Normal human locomotion		
	and the gait cycle;		
	Kinetic and kinematic		
	analysis and the calculation of external and internal		
	force actions;		
	Biomechanics of the lower		
	limb, General socket		
	biomechanics/biomechanica		
	principles of cast		
	rectification, Transtibial		
	socket biomechanics and		
	alignment biomechanics,		
	Transfemoral socket		
	biomechanics and alignment		
	biomechanics; Lower limb		

	prosthatic components and		1
	prosthetic components and		
	their application; Foot		
	biomechanics —analysis of		
	joint forces (normal,		
	pathological, effects of		
	footwear).		
ΑΝΑΤΟΜΥ Ι	Module content	120 contact hours/ 200	Inotional
(ANMY101)	Introduction and Definition	hours	
	of anatomy; Anatomical	Theory	20hrs
	position, Anatomical	Practicals	60hrs
	terminology and terms of	Self study	120hrs
	reference, Anatomical	Assessment Plan —	There is no
	planes and movements;	final examination for th	
	Integumentary system;	Study Guide for details	
	Introduction to Systems:	olday Guide for details	
	Skeletal; Muscular (muscle		
	tissue, architecture of		
	muscle); Articular;		
	Cardiovascular and		
	Nervous. Back, Upper		
	limbs and Lower limbs		
	Transtibial Prosthetics:	112 contact hours/ 280	) notional
PRINCIPLES OF	Transtibial Prosthetic	hours	
ORTHOTICS AND	Types, Post-operative	Lectures	56hrs
PROSTHETICS I	fitting, Management of	Practicals	42hrs
(POPRI0I)	lower extremity, CAD	Tutorials	28hrs
· ,	CAM Technology, Plaster	Case studies	28hrs
	and Casting Techniques,	Independent study	112hrs
	Transtibial prosthetic	Assessment	14hrs
	componentry and	Assessment Plan —	
	manufacturing devices;	final examination for this module. See	
	Footwear and Foot	Study Guide for details.	
	Orthotics: The	Study Guide for details.	
	Orthopaedic Shoe,		
	Footwear and Adaptations;		
	Foot Orthotics:		
	Introduction to foot		
	orthotics, Innersoles,		
	UCBL, Day Splints/ Night		
	Splints, Extensions, Pads,		
	bars and domes, Diabetics		
	and Wound healing,		
	Chronic and Acute		
	conditions, Prefabricated,		
	System innersoles by		
	numbers, Combination		
	devices, CAD CAM		
	Technology, Plaster and		
	Casting Techniques,		
L	Casung rechniques,	1	

	Footwear and foot	
	orthotics componentry and	
	manufacturing devices;	
	Ankle-Foot-Orthotics-	
	Introduction to ankle foot	
	orthotics, Functional goals	
	of below the knee	
	orthoses, Orthotic,	
	Orthopaedic And	
	Anatomical Terminology,	
	Clinical Procedures, The	
	Orthotics and Prosthetics	
	Laboratory, Fractures,	
	Traction, Clinical Evaluation	
	and Examination.	
CLINICAL PRACTICE II		168 contact hours/ 320 notional
(CLCP20I)	Footwear and Foot	hours
		Clinical practice 288hrs
	Ankle-Foot-Orthoses	Team consultation 16hrs
		Report writing I 6hrs
		Assessment Plan — There is no
		final examination for this module. See
		Study Guide for details.
Year 2		
COMPUTER AND	Computer aided design	48 contact hours/ 120 notional hours
		to contact fiours, 120 fiotional fiours
GRAPHICAL	software applications and	Lectures 6brs
	software applications and	Lectures 6hrs Prostical (computer) laboratory (2hrs
COMMUNICATION	Multimedia; Techniques	Practical (computer) laboratory 42hrs
	Multimedia; Techniques of computer-aided patient	Practical (computer) laboratory 42hrs Independent study 66hrs
COMMUNICATION	Multimedia; Techniques of computer-aided patient measurement and device	Practical (computer) laboratory 42hrs Independent study 66hrs Assessment 6hrs
COMMUNICATION	Multimedia; Techniques of computer-aided patient measurement and device design and manufacture	Practical (computer) laboratory 42hrs Independent study 66hrs Assessment 6hrs <b>Assessment Plan</b> – See Study
COMMUNICATION	Multimedia; Techniques of computer-aided patient measurement and device	Practical (computer) laboratory 42hrs Independent study 66hrs Assessment 6hrs
COMMUNICATION	Multimedia; Techniques of computer-aided patient measurement and device design and manufacture	Practical (computer) laboratory 42hrs Independent study 66hrs Assessment 6hrs <b>Assessment Plan</b> – See Study Guide for details.
COMMUNICATION (CGRC101)	Multimedia; Techniques of computer-aided patient measurement and device design and manufacture allowing computerised	Practical (computer) laboratory 42hrs Independent study 66hrs Assessment 6hrs <b>Assessment Plan</b> – See Study Guide for details.
COMMUNICATION (CGRC101)	Multimedia; Techniques of computer-aided patient measurement and device design and manufacture allowing computerised solution to a task; Isometric	Practical (computer) laboratory 42hrs Independent study 66hrs Assessment 6hrs <b>Assessment Plan</b> – See Study Guide for details.
COMMUNICATION (CGRC101)	Multimedia; Techniques of computer-aided patient measurement and device design and manufacture allowing computerised solution to a task; Isometric sketching and three- dimensional visualisation,	Practical (computer) laboratory 42hrs Independent study 66hrs Assessment 6hrs <b>Assessment Plan</b> – See Study Guide for details.
COMMUNICATION (CGRC101)	Multimedia; Techniques of computer-aided patient measurement and device design and manufacture allowing computerised solution to a task; Isometric sketching and three- dimensional visualisation, First and third angle	Practical (computer) laboratory 42hrs Independent study 66hrs Assessment 6hrs <b>Assessment Plan</b> – See Study Guide for details.
COMMUNICATION (CGRC101)	Multimedia; Techniques of computer-aided patient measurement and device design and manufacture allowing computerised solution to a task; Isometric sketching and three- dimensional visualisation, First and third angle projection, Auxiliary views	Practical (computer) laboratory 42hrs Independent study 66hrs Assessment 6hrs <b>Assessment Plan</b> – See Study Guide for details.
COMMUNICATION (CGRC101)	Multimedia; Techniques of computer-aided patient measurement and device design and manufacture allowing computerised solution to a task; Isometric sketching and three- dimensional visualisation, First and third angle projection, Auxiliary views and sections, Use of	Practical (computer) laboratory 42hrs Independent study 66hrs Assessment 6hrs <b>Assessment Plan</b> – See Study Guide for details.
COMMUNICATION (CGRC101)	Multimedia; Techniques of computer-aided patient measurement and device design and manufacture allowing computerised solution to a task; Isometric sketching and three- dimensional visualisation, First and third angle projection, Auxiliary views and sections, Use of drawing standards, Simple	Practical (computer) laboratory 42hrs Independent study 66hrs Assessment 6hrs <b>Assessment Plan</b> – See Study Guide for details.
COMMUNICATION (CGRC101)	Multimedia; Techniques of computer-aided patient measurement and device design and manufacture allowing computerised solution to a task; Isometric sketching and three- dimensional visualisation, First and third angle projection, Auxiliary views and sections, Use of drawing standards, Simple assembly drawings;	Practical (computer) laboratory 42hrs Independent study 66hrs Assessment 6hrs <b>Assessment Plan</b> – See Study Guide for details.
COMMUNICATION (CGRC101)	Multimedia; Techniques of computer-aided patient measurement and device design and manufacture allowing computerised solution to a task; Isometric sketching and three- dimensional visualisation, First and third angle projection, Auxiliary views and sections, Use of drawing standards, Simple assembly drawings; Application of machining	Practical (computer) laboratory 42hrs Independent study 66hrs Assessment 6hrs <b>Assessment Plan</b> – See Study Guide for details.
COMMUNICATION (CGRC101)	Multimedia; Techniques of computer-aided patient measurement and device design and manufacture allowing computerised solution to a task; Isometric sketching and three- dimensional visualisation, First and third angle projection, Auxiliary views and sections, Use of drawing standards, Simple assembly drawings; Application of machining tolerances;	Practical (computer) laboratory 42hrs Independent study 66hrs Assessment 6hrs Assessment Plan – See Study Guide for details.
COMMUNICATION (CGRC101)	Multimedia; Techniques of computer-aided patient measurement and device design and manufacture allowing computerised solution to a task; Isometric sketching and three- dimensional visualisation, First and third angle projection, Auxiliary views and sections, Use of drawing standards, Simple assembly drawings; Application of machining	Practical (computer) laboratory 42hrs Independent study 66hrs Assessment 6hrs <b>Assessment Plan</b> – See Study Guide for details.
COMMUNICATION (CGRC101)	Multimedia; Techniques of computer-aided patient measurement and device design and manufacture allowing computerised solution to a task; Isometric sketching and three- dimensional visualisation, First and third angle projection, Auxiliary views and sections, Use of drawing standards, Simple assembly drawings; Application of machining tolerances; Applications in orthopaedic technology.	Practical (computer) laboratory 42hrs Independent study 66hrs Assessment 6hrs Assessment Plan – See Study Guide for details.
COMMUNICATION (CGRC101)	Multimedia; Techniques of computer-aided patient measurement and device design and manufacture allowing computerised solution to a task; Isometric sketching and three- dimensional visualisation, First and third angle projection, Auxiliary views and sections, Use of drawing standards, Simple assembly drawings; Application of machining tolerances; Applications in orthopaedic technology.	Practical (computer) laboratory 42hrs Independent study 66hrs Assessment 6hrs <b>Assessment Plan</b> – See Study Guide for details.
	Multimedia; Techniques of computer-aided patient measurement and device design and manufacture allowing computerised solution to a task; Isometric sketching and three- dimensional visualisation, First and third angle projection, Auxiliary views and sections, Use of drawing standards, Simple assembly drawings; Application of machining tolerances; Applications in orthopaedic technology. Basic concepts, DC circuits,	Practical (computer) laboratory 42hrs Independent study 66hrs Assessment 6hrs Assessment Plan – See Study Guide for details. 48 contact hours/ 120 notional hours
	Multimedia; Techniques of computer-aided patient measurement and device design and manufacture allowing computerised solution to a task; Isometric sketching and three- dimensional visualisation, First and third angle projection, Auxiliary views and sections, Use of drawing standards, Simple assembly drawings; Application of machining tolerances; Applications in orthopaedic technology. Basic concepts, DC circuits, Inductance and capacitance,	Practical (computer) laboratory 42hrs Independent study 66hrs Assessment 6hrs Assessment Plan – See Study Guide for details. 48 contact hours/ 120 notional hours Lectures 36hrs
COMMUNICATION (CGRC101) ELECTRONICS (ETRN101)	Multimedia; Techniques of computer-aided patient measurement and device design and manufacture allowing computerised solution to a task; Isometric sketching and three- dimensional visualisation, First and third angle projection, Auxiliary views and sections, Use of drawing standards, Simple assembly drawings; Application of machining tolerances; Applications in orthopaedic technology. Basic concepts, DC circuits, Inductance and capacitance, AC circuits, Transformers,	Practical (computer) laboratory 42hrs Independent study 66hrs Assessment 6hrs Assessment Plan – See Study Guide for details. 48 contact hours/ 120 notional hours Lectures 36hrs Tutorials 12hrs
COMMUNICATION (CGRC101) ELECTRONICS (ETRN101)	Multimedia; Techniques of computer-aided patient measurement and device design and manufacture allowing computerised solution to a task; Isometric sketching and three- dimensional visualisation, First and third angle projection, Auxiliary views and sections, Use of drawing standards, Simple assembly drawings; Application of machining tolerances; Applications in orthopaedic technology. Basic concepts, DC circuits, Inductance and capacitance, AC circuits, Transformers, Power supplies, Amplifiers,	Practical (computer) laboratory 42hrs Independent study 66hrs Assessment 6hrs Assessment Plan – See Study Guide for details. 48 contact hours/ 120 notional hours Lectures 36hrs Tutorials 12hrs Independent study 66hrs
COMMUNICATION (CGRC101) ELECTRONICS (ETRN101)	Multimedia; Techniques of computer-aided patient measurement and device design and manufacture allowing computerised solution to a task; Isometric sketching and three- dimensional visualisation, First and third angle projection, Auxiliary views and sections, Use of drawing standards, Simple assembly drawings; Application of machining tolerances; Applications in orthopaedic technology. Basic concepts, DC circuits, Inductance and capacitance, AC circuits, Transformers,	Practical (computer) laboratory 42hrs Independent study 66hrs Assessment 6hrs Assessment Plan – See Study Guide for details. 48 contact hours/ 120 notional hours Lectures 36hrs Tutorials 12hrs

	techniques,	Guide for details.
	Measurements,	
	Myoelectrodes, Safety.	
ΑΝΑΤΟΜΥ ΙΙ	SECTION A: NECK -	120 contact hours/ 200 notional
(ANMY201)	Surface Anatomy,	hours
	superficial neck muscles,	Theory 20hrs
	triangles of the neck,	Practical 60hrs
	deep structures of the	Self study I 20hrs
	neck, root of the neck,	Assessment Plan – There is no
	cervical viscera, thyroid	final examination for this module. See
	gland, parathyroid glands,	Study Guide for details.
	facial planes, pharynx,	,
	larynx.	
	SECTION B: HEAD -	
	Osteology, the Face -	
	muscles, neurovascular	
	structures, lymphatic	
	drainage, the Scalp, cranial	
	fossae and foramina (self-	
	study), the Orbit, parotid	
	and Temporal regions,	
	temporomandibular joint,	
	oral region (self-study),	
	salivary glands, nose and	
	paranasal sinuses, ear (self-	
	study).	
	SECTION C:	
	NEUROANATOMY -	
	Embryology, cerebral	
	topography, brainstem and	
	spinal cord, cerebellum,	
	thalamus, epithalamus and	
	hypothalamus, reticular	
	formation, visual,	
	olfactory and limbic	
	systems, cranial nerves,	
	blood supply of the brain.	
Community Healthcare	Reference to the study	48 contact hours/120 notional hours
And Research-	guide for a detailed	Lectures 28hrs
Introduction(CHRII0I)	background of this area of	Group work 20hrs
	research is required.	Practicum 20hrs
		Independent study 44hrs
		Presentation 8hrs
		Assessment Plan — There is no
		final examination for this module. See
		Study Guide for details.

PHYSIOLOGY FOR	Anatomy and physiology	96 contact hours/ 160 notic	anal hours
			l6hrs
MOP (PYSL102)	are defined, the	Lectures	
	relationships between	Practicals 32hr	-
	anatomy and physiology are		l 6hrs
		Case studies	16hrs
	integumentary system,	Independent study	80hrs
		Assessment Plan – There	
		final examination for this m	odule. See
	special senses, endocrine	Study Guide for details.	
	system, cardiovascular		
	system, immunity and the		
	lymphatic system		
	respiratory system,		
	digestive system, urinary		
	system, reproductive		
	system.		
BIOMECHANICS II	Riomochanics of the upper	48 contact hours/ 120 motion	anal hours
		48 contact hours/ 120 notic	24hrs
(BIMC201)	limb; Joint Force Analysis;	Lectures	-
	Human Movement Analysis;		18hrs
	Lower Limb Prosthetics;	Tutorials	l 2hrs
	Lower Limb Orthotics	Case studies	l 2hrs
		Independent study	48hrs
		Assessment	6hrs
		Assessment Plan – There	
		final examination for this m	odule. See
		Study Guide for details.	
PRINCIPLES OF	Ankle Foot Orthotics and	II2 contact hours/ 280 not	ional
ORTHOTICS AND	Knee Orthotics; Knee	hours	
PROSTHETICS II	Ankle Foot Orthotics and	Lectures	56hrs
(POPR201)	Upper Limb Orthotics;	Practicals	
			42hrs
	Ankle Disarticulation and	Tutorials	42hrs 28hrs
	Ankle Disarticulation and	Tutorials Case studies	-
		Case studies	28hrs
	Ankle Disarticulation and partial foot prosthesis;		28hrs 28hrs
	Ankle Disarticulation and partial foot prosthesis; Knee Disarticulation	Case studies Independent study	28hrs 28hrs I I 2hrs I 4hrs
	Ankle Disarticulation and partial foot prosthesis; Knee Disarticulation Prosthetics; Transfemoral Prosthetics;	Case studies Independent study Assessment	28hrs 28hrs I I 2hrs I 4hrs is no final
	Ankle Disarticulation and partial foot prosthesis; Knee Disarticulation Prosthetics;	Case studies Independent study Assessment <b>Assessment Plan</b> - There	28hrs 28hrs I I 2hrs I 4hrs is no final
	Ankle Disarticulation and partial foot prosthesis; Knee Disarticulation Prosthetics; Transfemoral Prosthetics; Upper Limb Prosthetics	Case studies Independent study Assessment <b>Assessment Plan</b> - There examination for this module	28hrs 28hrs I I 2hrs I 4hrs e is no final e. See
CLINICAL PRACTICE I	Ankle Disarticulation and partial foot prosthesis; Knee Disarticulation Prosthetics; Transfemoral Prosthetics; Upper Limb Prosthetics	Case studies Independent study Assessment <b>Assessment Plan</b> - There examination for this module Study Guide for details. 168 contact hours/ 280 not	28hrs 28hrs I I 2hrs I 4hrs e is no final e. See
	Ankle Disarticulation and partial foot prosthesis; Knee Disarticulation Prosthetics; Transfemoral Prosthetics; Upper Limb Prosthetics Ankle Foot Orthotics; Knee Orthotic; Knee Ankle	Case studies Independent study Assessment <b>Assessment Plan</b> - There examination for this module Study Guide for details. 168 contact hours/ 280 not hours	28hrs 28hrs I I 2hrs I 4hrs e is no final e. See
CLINICAL PRACTICE I	Ankle Disarticulation and partial foot prosthesis; Knee Disarticulation Prosthetics; Transfemoral Prosthetics; Upper Limb Prosthetics Ankle Foot Orthotics; Knee Orthotic; Knee Ankle Foot Orthotics; Upper	Case studies Independent study Assessment <b>Assessment Plan</b> - There examination for this module Study Guide for details. 168 contact hours/ 280 not hours Clinical practice	28hrs 28hrs 112hrs 14hrs : is no final e. See ional
CLINICAL PRACTICE I	Ankle Disarticulation and partial foot prosthesis; Knee Disarticulation Prosthetics; Transfemoral Prosthetics; Upper Limb Prosthetics Ankle Foot Orthotics; Knee Orthotic; Knee Ankle Foot Orthotics; Upper Limb Orthotics; Ankle	Case studies Independent study Assessment <b>Assessment Plan</b> - There examination for this module Study Guide for details. 168 contact hours/ 280 not hours Clinical practice Team Consultations	28hrs 28hrs 112hrs 14hrs is no final e. See ional 256hrs 16hrs
CLINICAL PRACTICE I	Ankle Disarticulation and partial foot prosthesis; Knee Disarticulation Prosthetics; Transfemoral Prosthetics; Upper Limb Prosthetics Ankle Foot Orthotics; Knee Orthotic; Knee Ankle Foot Orthotics; Upper Limb Orthotics; Ankle Disarticulation and partial	Case studies Independent study Assessment Assessment Plan - There examination for this module Study Guide for details. 168 contact hours/ 280 not hours Clinical practice Team Consultations Report writing	28hrs 28hrs 1 2hrs 14hrs is no final e. See ional 256hrs 16hrs 16hrs
CLINICAL PRACTICE I	Ankle Disarticulation and partial foot prosthesis; Knee Disarticulation Prosthetics; Transfemoral Prosthetics; Upper Limb Prosthetics Ankle Foot Orthotics; Knee Orthotic; Knee Ankle Foot Orthotics; Upper Limb Orthotics; Ankle Disarticulation and partial foot prosthesis;	Case studies Independent study Assessment Assessment Plan - There examination for this module Study Guide for details. 168 contact hours/ 280 not hours Clinical practice Team Consultations Report writing Assessment Plan - There	28hrs 28hrs 112hrs 14hrs is no final e. See ional 256hrs 16hrs 16hrs is no final
CLINICAL PRACTICE I	Ankle Disarticulation and partial foot prosthesis; Knee Disarticulation Prosthetics; Transfemoral Prosthetics; Upper Limb Prosthetics Ankle Foot Orthotics; Knee Orthotic; Knee Ankle Foot Orthotics; Upper Limb Orthotics; Ankle Disarticulation and partial foot prosthesis; Transfemoral Prosthetics;	Case studies Independent study Assessment Assessment Plan - There examination for this module Study Guide for details. 168 contact hours/ 280 not hours Clinical practice Team Consultations Report writing Assessment Plan - There examination for this module	28hrs 28hrs 1 12hrs 14hrs is no final e. See ional 256hrs 16hrs 16hrs is no final
CLINICAL PRACTICE I	Ankle Disarticulation and partial foot prosthesis; Knee Disarticulation Prosthetics; Transfemoral Prosthetics; Upper Limb Prosthetics Ankle Foot Orthotics; Knee Orthotic; Knee Ankle Foot Orthotics; Upper Limb Orthotics; Ankle Disarticulation and partial foot prosthesis;	Case studies Independent study Assessment Assessment Plan - There examination for this module Study Guide for details. 168 contact hours/ 280 not hours Clinical practice Team Consultations Report writing Assessment Plan - There	28hrs 28hrs 1 12hrs 14hrs is no final e. See ional 256hrs 16hrs 16hrs is no final
CLINICAL PRACTICE II (CLCP201)	Ankle Disarticulation and partial foot prosthesis; Knee Disarticulation Prosthetics; Transfemoral Prosthetics; Upper Limb Prosthetics Ankle Foot Orthotics; Knee Orthotic; Knee Ankle Foot Orthotics; Upper Limb Orthotics; Ankle Disarticulation and partial foot prosthesis; Transfemoral Prosthetics; Upper Limb Prosthetics	Case studies Independent study Assessment Assessment Plan - There examination for this module Study Guide for details. 168 contact hours/ 280 not hours Clinical practice Team Consultations Report writing Assessment Plan - There examination for this module Study Guide for details.	28hrs 28hrs 112hrs 14hrs is no final e. See ional 256hrs 16hrs 16hrs is no final e. See
CLINICAL PRACTICE I	Ankle Disarticulation and partial foot prosthesis; Knee Disarticulation Prosthetics; Transfemoral Prosthetics; Upper Limb Prosthetics Ankle Foot Orthotics; Knee Orthotic; Knee Ankle Foot Orthotics; Upper Limb Orthotics; Ankle Disarticulation and partial foot prosthesis; Transfemoral Prosthetics;	Case studies Independent study Assessment Assessment Plan - There examination for this module Study Guide for details. 168 contact hours/ 280 not hours Clinical practice Team Consultations Report writing Assessment Plan - There examination for this module	28hrs 28hrs 112hrs 14hrs is no final e. See ional 256hrs 16hrs 16hrs is no final e. See

(EMDL101)	principles, HPCSA and	Case studies 4	4hrs
	national requirements,		
	Scope of practice,		Bhrs
	Multidisciplinary and	Independent study 3	36hrs
	interdisciplinary	Assessment 4	4hrs
	interactions, Legal aspects	Assessment Plan – See Stud	ły
	of medical care,	Guide for details.	
	Applications in authentic		
	settings.		
	_		
Year 3	<b>-</b>		
Community Healthcare		48 contact hours/120 notional	
and research-	guide for a detailed	Lectures 48hrs	
Intermediate(CHRN101		Group work 20hrs	
þ	research is required.	Independent study 44hr	-
		Presentation 8hrs	
		Assessment Plan - There is	
		examination for this module. S	bee
		Study Guide for details.	
	Inflammation, repair and	64 contact hours/ 160 notiona	
(CLCSI0I)	healing, Inflammatory diseases, degenerative	Lectures	64hrs
	diseases, post traumatic	Student presentations incl. cas	
	conditions. metabolic		6hrs
	disorders, circulatory	Self-learning 8 Assessment Plan -There is r	80hrs
	disorders; Amputations;	examination for this module. S	
	<b>n</b>		bee
	Aseptic bone necrosis;	Study Guide for details.	
	Paralysis resulting from nerve		
	lesions; Diseases of the pelvis		
	and hip; Diseases of the		
	knee; Diseases of the		
	foot; Diseases of the shoulder, elbow and hand;		
	Limb deformities; Skin		
	disorders and wound repair		
PSYCHOLOGY	The reflective journal;	48 contact hours/ 120 notiona	l hours
(PYCLI0I)	Understanding a helping	Lectures 48hrs	
	relationship;	Assignments I 6hrs	
	Understanding human	Independent study 52hrs	
	development throughout	Assessment 4hrs	
	the life cycle; Basic	Assessment Plan — There is	s no
	principles of social	final examination for this modu	ule. See
	constructionism and	Study Guide for details.	
	externalising conversations		
	externalising conversations		
	externalising conversations to a helping relationship;		
	externalising conversations to a helping relationship; Understanding the effect of		

	T		
	and interpersonal level;		
	Understand personal		
	relationships with		
	substances; Personal		
	understanding of HIV/AIDS;		
	Patient psychology:		
	psychology of loss and		
	psychology of disability.		
BASIC	Basic pharmacology;	48 contact hours/ 120	notional hours
PHARMACOLOGY	Pharmacodynamics;	Lectures	42hrs
(BPHY101)	Pharmacokinetics;	Tutorials	12hrs
()	Central nervous system;	Assignments	12hrs
		Independent study	48hrs
	(somatic) nervous system;	Assessment	6hrs
	Non-steroidal anti-		0.11.5
	inflammatory drugs;	Assessment Plan - T	here is no final
	Vaccines:	examination for this m	
	Cardiovascular system;	Study Guide for details	<b>.</b>
	Haemopoietic system;		
	Respiratory system;		
	Gastro-intestinal tract;		
	Endocrinology; Vitamins		
	and minerals; Anti-		
	neoplastic drugs and		
	immune suppressors;		
	Wound care;		
	Dermatology;		
	Poisoning and emergencies;		
	HIV/AIDS; Anti-histamines		
BIOMECHANICS III	Tissue Mechanics; Spinal	48 contact hours/ 120	notional hours
(BIMC301)	Biomechanics; Upper Limb	Lectures	48hrs
	Biomechanics; Cranial	Tutorials	4hrs
	Biomechanics; Control	Case studies	l 2hrs
	Systems	Independent study	48hrs
		Assessment	8hrs
		Assessment Plan - T	here is no final
		examination for this m	odule. See
		Study Guide for details	
PRINCIPLES OF	Knee Ankle Foot Orthotics		
ORTHOTICS AND	(KAFO); Hip Knee Ankle	hours	
PROSTHETICS III	Foot Orthotics (HKAFO);	Lectures	64hrs
(POPR301)	Hip Orthotics (HO);	Practicals	48hrs
	Spinal Orthotics;	Tutorials	32hrs
	Hernias and Trusses;	Case studies	32hrs
	Vascular Compression	Independent study	128hrs
	Therapy; Cranial Orthotics;		l 6hrs
	Hip Disarticulation	Assessment Plan —	
	Prosthetics; Upper Limb	final examination for th	
	Prosthetics; Breast	Study Guide for details	<b>.</b>

	Prosthesis	
CLINICAL PRACTICE		144 contact hours/ 240 notional
III (CLCP301)	(KAFO); Hip Knee Ankle	hours
	Foot Orthotics (HKAFO);	Clinical practice 204hrs
	Hip Orthotics (HO);	Group work 24hrs
	Spinal Orthotics;	Report writing I 2hrs Assessment Plan — There is no
	Hernias and Trusses;	
	Vascular Compression	final examination for this module. See
	Therapy; Cranial Orthotics;	Study Guide for details.
	Hip Disarticulation	
	Prosthetics; Upper Limb	
	Prosthetics; Breast	
	Prosthesis	
Year 4	<b>I- - - - - - -</b>	
Community Healthcare	Reference to the study	48 contact hours/120 notional hours
and research-	guide for a detailed	Lectures 48hrs
Advanced(CHRA101)	0	Practicum 20hrs
	research is required.	Independent study 48hrs
		Presentation 4hrs
		Assessment Plan —There is no
		final examination for this module. See
		Study Guide for details.
CLINICAL STUDIES II	Nervous system disorders	96 contact hours/ 240 notional hours
(CLCS201)	and diseases (child and	Lectures 96hrs
	adult)(CNS and PNS)	Student seminars incl. case studies
	including Polio, Cerebral	24hrs
	palsy, paraplegia and	Self study I 20hrs
	quadriplegia, ataxia,	Assessment Plan - There is no final
	Parkinson's disease. Spinal	examination for this module. See
	and thoracic deformities,	Study Guide for details.
	scoliosis, kyphosis;	,
	Diseases of the spine;	
	Circulatory disorders;	
	Metabolic disorders;	
	Tumors; Degenerative	
	diseases; Burns; Fractures	
CLINICAL PRACTICE	Prescription, fitting and	192 contact hours/ 320 notional
IVA (ORTHOTICS)	check-out activities within	hours
(CLPO401)	the clinic team; General	Clinical practice I44hrs
	laboratory practice: use of	Special case discussions 32hrs
	hand tools, machine tools	Consultations and report writing
	and materials, component	l6hrs
	production; Patient	Self study I28hrs
	examinations, assessment.,	Assessment Plan —There is no
	design, fitting, prescription,	final examination for this module. See
	education & evaluation;	Study Guide for details.
	Measuring and casting, cast	outer of details.
	rectification, fabrication,	
	fitting, aligning & finishing	
	devices; Case history/record	

	keeping; Patient information,	
	medical history, and record	
	keeping.	
CLINICAL PRACTICE	Assessment, design,	192 contact hours/ 320 notional
IVB (PROSTHETICS)	prescription, fitting,	hours
(CLPP40I)	evaluation, education and	Clinical practice 144hrs
	check-out activities within	Special case discussions 32hrs
	the clinic team;	Consultations and report writing
	General laboratory	l 6hrs
	practice: use of hand tools,	
	machine tools and	Assessment Plan — There is no
	materials, component	final examination for this module. See
	production; Patient	Study Guide for details.
	examinations and	
	prescription; Measuring	
	and casting, cast	
	rectification, fabrication,	
	fitting, aligning and finishing	
	of devices; Case	
	history/record keeping for	
	patient information, medical	
	history, current prosthesis,	
	prosthetic delivery.	
CLINIC,	Materials acquisition,	64 contact hours/ 160 notional hours
LABORATORY AND	handling and stock control;	
BUSINESS	Workforce management;	Group work 24hrs
MANAGEMENT	Production cost	Lectures 64hrs
(CLBMI0I)		Assessment 8hrs
	invoicing, receipting and	Assessment Plan - There is no final
	accounting; Clinic	examination for this module. See
		Study Guide for details.
	systems, record keeping;	
	Property management, care	
	and maintenance;	
	Environmental/ecological	
	considerations;	
	Entrepreneurship Theory;	
	Business Plan development;	
	Marketing; Operations	
	Management; Human	
	Resources;	
	Presentation Skills	
		32 contact hours/ 80 notional hours
PRACTICE (ACLP401)	of the student's choice	Independent 64hrs
	outside the designated	Reflective Integrated assignment
	centers used for training;	l6hrs
	This could include private	Assessment Plan —There is no
	practices/training centers	final examination for this module. See
	, , ,	Study Guide for details. Includes a
	as arranged by the student	report of completed hours spent at a

in consultation with the clinical coordinator/HOD.	suitable facility, as supplied by the Department of O & P.

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