2017 HANDBOOK
EMERGENCY MEDICAL CARE &
RESCUE

DUT
DURBAN
UNIVERSITY OF
TECHNOLOGY

FACULTY OF
HEALTH
SCIENCES

HANDBOOK FOR 2017

FACULTY OF
HEALTH SCIENCES

DEPARTMENT of
EMERGENCY MEDICAL CARE and RESCUE

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.

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.

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.

FACULTY of HEALTH SCIENCES
FACULTY VISION, MISSION, GOALS & VALUES
(November 2012 for 2013-2017)

Vision:
Our vision 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 for 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 / artifacts) 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 VISION, MISSION & GOALS

Vision:
To be a student-centred department that advances emergency medical care through excellence in education and research.

Mission:
To excel in education and research by:

Providing
- Evidence based education in emergency medical care, and

Promoting
- A values driven ethos,
- Sustainable partnerships with industry, the community and society
- Research in emergency medical care, and

Empowering
- Staff and students to succeed, and
- Ensuring departmental sustainability.

Goals
The Department aims to:

1. Improve the quality of learning, teaching and assessment
2. Promote research
3. Facilitate community engagement
4. Develop clinical practice / operations
5. Ensure staff development
6. Ensure financial viability and sustainability
7. Foster efficient administration
8. Promote transformation and equity

CONTENTS

1. CONTACT DETAILS

All departmental queries to:

Secretary:	Mrs Leigh Meyers
Tel No:	(031)-3735203
Fax No:	(031)-3735201
Email:	leighm@dut.ac.za
Location of Department	cnr Ritson & St Thomas Roads; Ritson Road Campus

All Faculty queries to:

Faculty officer:	Mr Vikesh Singh
Tel No:	(031)-3732701
Fax No:	(031)-3732407
Email:	vikeshs@dut.ac.za
Location:	Health Faculty Office, Gate 8, Steve Biko Road, Mansfield Site Area, Ritson Campus

Executive Dean (Acting):	Professor A Ross
Executive Dean's Secretary	Mrs Bilkish Khan
Tel No:	(031)-3732704
Fax No:	(031)-3732620
Email:	bilkishk@dut.ac.za
Location:	Executive Dean's Office, 8, Steve Biko Road, Mansfield Site Area, Ritson Campus

2. STAFFING   Name and Qualification

Head of Department	Mr S Sobuwa, ND: Emergency Medical Care (CPUT); B Tech: Emergency Medical Care (CPUT); MSc: (Med) Emergency Medicine (UCT); HD: Higher Education and Training (CPUT)
Lecturers	Mr S Naguran, ND: Ambulance and Emergency Care (DUT); B Tech: Emergency Medical Care (DUT); M Tech: Emergency Medical Care (DUT)
	Mrs Mühlbauer, ND: Emergency Medical Care (UJ); B Tech: Emergency Medical Care (UJ); M Tech: Emergency Medical Care (DUT)
	Dr P Govender, ND: Emergency Medical Care (DUT); B Tech: Emergency Medical Care (DUT); M Tech: Emergency Medical Care (DUT), PhD Emergency Medicine (UCT)
Junior Lecturers	Ms Fathima Shaik, BHSc Emergency Medical Care (DUT) Mr Keanan Reynolds, B Tech: Emergency Medical Care (UJ)
Technician	Mr T Trower, ND: Emergency Medical Care (DUT); B Tech: Emergency Medical Care (DUT)
Clinical Tutor	Mrs F Tsiri, ND: Emergency Medical Care (DUT); B Tech: Emergency Medical Care (DUT)
Secretary	Mrs L Meyers, ND: Office Management and Technology (DUT); B Tech: Office Management and Technology (DUT)
Honorary Research Fellow	Dr N Castle, Dip: Immediate Medical Care (Edinburgh); MSc: Cardiology (Sussex); PhD (City London)

3. DEPARTMENTAL INFORMATION AND RULES

3.1 Qualifications offered by the department

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

Qualification	Qualification Code	Important Dates	SAQA NLRD Number
BHSc: Emergency Medical Care	BHEMC1		74471
MHSc: Emergency Medical Care	MHEMC1	Teach out	57209
BTECH: Emergency Medical Care	BTEMC1	2019	63129
DPhil: Emergency Medical Care	DPEMC1		90818

3.2 Departmental information

3.2.1 Academic Integrity

Please refer to the General Rules pertaining to academic integrity G13 (1)(0). These will be enforced wherever necessary to safeguard the worthiness of our qualifications, and the integrity of the Faculty of Health Sciences at the DUT.

3.2.2 Code of Conduct for Students

Students must comply with the departmental student code of conduct at all times.

3.2.3 Attendance

Please refer to student code of conduct

3.2.4 Health and Safety

Students must adhere to all Health and Safety regulations while at DUT, during Medical Rescue training and while undertaking Clinical Practice. Failure to do so will be treated as a breach of the disciplinary code of conduct.

3.2.5 Registration with the HPCSA: Professional Board for Emergency Care

Within two weeks of registration with the Department, students are required to register with the HPCSA: Professional Board for Emergency Care as an ECP student.

3.3 Departmental rules

3.3.1 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 as-

sessment. 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.

SECTION A: UNDERGRADUATE QUALIFICATION

4. BACHELOR OF HEALTH SCIENCES: EMERGENCY MEDICAL CARE (BHEMC1)

4.1 Programme Information
This qualification has been designed as a four-year professional BHSc degree as mandated by the Health Professions Council of South Africa: Professional Board of Emergency Medical Care that will lead to professional registration as an Emergency Care Practitioner.

4.2 Assessment and Moderation
The continuous (ongoing) assessment method is used for all subjects in the programme. As such, there are no final examinations. The results for these subjects are determined through a weighted combination of assessments, which includes theory, practical and Viva Voce assessments; individual and group assignments/projects; written and oral presentations; portfolios and OSCEs. Students are encouraged to work steadily through the period of registration in order to achieve the highest results possible. Assessments are listed under each subject at the back of this handbook. Moderation follows the DUT assessment policy and assessment guidelines. Detailed information can be found in the relevant subject study guides.

4.3 LEARNING PROGRAMME - STRUCTURE

Codes	Modules:	Year of Study	Assessment Type (CA/E)	SAQA Credits	Pre-requisite subjects	Co-requisite subjects
BACHELOR OF HEALTH SCIENCES IN EMERGENCY MEDICAL CARE						
Year One						
FDPP101	Foundations of Professional Practice I	I	CA	10	None	None
EMCA101	Emergency Medical Care IA	I	CA	15	None	Clinical Practice I
EMCB101	Emergency Medical Care IB	I	CA	15	None	Emergency Medical Care IA Clinical Practice I
MRSA101	Medical Rescue IA	I	CA	15		Medical Rescue IB
MRSB101	Medical Rescue IB	I	CA	15		Medical Rescue IA
ATPH102	Anatomy and Physiology I	I	CA	20	*None*	None
BSCN101	Basic Sciences I	I	CA	10	None	None
CNLP101	Clinical Practice I	I	CA	30	None	Emergency Medical Care IA & IB

Year Two						
EMCA201	Emergency Medical Care IIA	2	CA	15	Emergency Medical Care IA & IB Clinical Practice I Anatomy & Physiology I	Clinical Practice II
EMCB201	Emergency Medical Care IIB	2	CA	15	Emergency Medical Care IA and IB Clinical Practice I Anatomy & Physiology I	Emergency Medical Care IIA Clinical Practice II
MRSA201	Medical Rescue IIA	2	CA	15	Medical Rescue IA & IB	Medical Rescue IIB
MRSB201	Medical Rescue IIB	2	CA	15	Medical Rescue IA & IB	Medical Rescue IIA
PHYL201	Physiology II	2	CA	20	Anatomy and Physiology I	None
PHCL201	Pharmacology II	2	CA	20	Anatomy and Physiology I	None
CNLP201	Clinical Practice II	2	CA	30	Emergency Medical Care IA & IB and Clinical Practice I	Emergency Medical Care IIA & IIB
Year Three						
EMCA301	Emergency Medical Care IIIA	3	CA	15	Emergency Medical Care IIA & IIB and Clinical Practice II	Clinical Practice III
EMCB301	Emergency Medical Care IIIB	3	CA	15	Emergency Medical Care IIA & IIB and Clinical Practice II	Emergency Medical Care IIIA Clinical Practice III
MRSA301	Medical Rescue IIIA	3	CA	15	Medical Rescue IIA & IIB	Medical Rescue IIIB
MRSB301	Medical Rescue IIIB	3	CA	15	Medical Rescue IIA & IIB	Medical Rescue IIIA
GPTH201	General Pathology II	3	CA	20	Physiology II	None
RSMG102	Research Methodology I	3	CA	20	None	None
CNLP301	Clinical Practice III	3	CA	30	Emergency Medical Care IIA & IIB and Clinical Practice II	Emergency Medical Care IIIA & IIIB
Year Four						
EMCA402	Emergency Medical Care IVA	4	CA	15	Emergency Medical Care IIIA & IIIB and Clinical Practice III	Clinical Practice IV
EMCB402	Emergency Medical Care IVB	4	CA	15	Emergency Medical Care IIIA & IIIB and Clinical Practice III	Emergency Medical Care IVA Clinical Practice IV
RPJT402	Research Project IV	4	CA	30	Research Methodology I	None
MNGP102	Management Practice I	4	E	20	None	None
EDTC102	Educational Techniques I	4	CA	20	None	None
CNLP401	Clinical Practice IV	4	CA	30	Emergency Medical Care IIIA & IIIB and Clinical Practice III	Emergency Medical Care IVA & IVB

4.4 Programme Rules
4.4.1 *Minimum Admission Requirements*
To register for the BHSc: Emergency Medical Care the applicant must have a minimum of **30 points** (not including Life Orientation).

The applicant must pass the following departmental evaluations:
o   Medical Fitness Evaluation
o   Physical Fitness Evaluation

In addition, Placement test/s will be conducted and will be used for general academic information

The minimum admission requirement for holders of the National Senior Certificate (NSC) with a Bachelor Degree endorsement must include the following subjects at the stated ratings.

Compulsory Subjects	NSC Rating
English	4
Mathematics	4
Life Science and / or Physical Science	4

The minimum admission requirement for holders of the Senior Certificate (SC) is matriculation exemption with the following subjects at the stated ratings.

Compulsory Subjects	HG	SG
English	D	B
Mathematics	D	B
Biology AND / OR Physical Sciences	D	B

4.4.2 *Selection Criteria*
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).
- CAO applications that meet the minimum admission requirement will be invited to undergo physical fitness and medical assessments.
- Applicants are required to write a placement test.
- 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 ac-ceptance will be withdrawn.
- 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.

4.4.3 Pass Requirements

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 BHSc: Emergency Medical Care mainly comprises of modules with no final examination. As such pass requirements are as follows (as applicable):

1. The Module mark will comprise of all the marks generated during the course of the Module, in the ratio specified in the Study Guide.
2. A minimum of 50% is required to pass the Module.
3. As rescue skills are performed on real patients, in the real world setting, a sub-minimum of 100% will apply to all OSCE evaluations (i.e. all levels of Medical Rescue Modules).
4. A sub-minimum of 50% is required for the theory component of all Modules.
5. A sub-minimum of 50% is required for the practical component of all Modules.

4.4.4 Re-registration Rules

The following programme rules apply,

1. A student returning to the programme after a break of one year or longer will be required to pass the medical and physical fitness evaluations before re-admission is allowed.
2. Students who are absent from group evaluations will be required to complete these evaluations in the following registration period.
3. A student must be successful in a Module at the lower level before progressing to the next level.

4.4.5 Exclusion Rules

The following applies:

A first year student who fails three (3) or more Modules with a combined final mark average of less than 40% is not permitted to re-register in the Department of Emergency Medical Care and Rescue.

4.4.6 Interruption of Studies

With reference to a Bachelor's Degree at NQF Level 8, the minimum duration for this 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 Clinical Practice. 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, will need to prove currency of appropriate knowledge prior to being given permission to reregister and pass the departmental medical and physical evaluations.

4.4.7   Subject content Medical Rescue

Subject Name (code)	Learning areas / content	Assessment Plan
Year 1		
MEDICAL RESCUE IA (MRSA101)	• Introduction to fire, search and rescue • Scene stabilization, vehicle stabilization, extrication techniques, patient management and removal	Theory Assessment 80% Practical Assessment – must pass all of the skills identified in the study guide Physical Preparedness Assessment 20%
MEDICAL RESCUE IB (MRSB101)	• Theory of trench rescue, trench rescue safety, trench incident management • Patient management and removal, physics applied to trench rescue	Theory Assessment 80% Practical Assessment – must pass all of the skills identified in the study guide Physical Preparedness Assessment 20%
Year 2		
MEDICAL RESCUE IIA (MRSA201)	• Rope rescue techniques • Patient management and removal • Introduction to the Incident Management System (IMS) • Introduction to the wilderness environment • Camp craft • Navigation and survival techniques	Theory Assessment 80% Practical Assessment – must pass all of the skills identified in the study guide Physical Preparedness Assessment 20%
MEDICAL RESCUE IIB (MRSB201)	• Overview of structural collapse rescue theory of emergency building shoring • Structural collapse incident management, patient management and removal	Theory Assessment 80% Practical Assessment – must pass all of the skills identified in the study guide Physical Preparedness Assessment 20%
Year 3		
MEDICAL RESCUE IIIA (MRSA301)	• Rope rescue techniques – 2nd level, lead climbing, artificial high directional, advanced stretcher techniques • Physics applied to rope rescue • Incident Management Systems – tactical level	Theory Assessment 80% Practical Assessment – must pass all of the skills identified in the study guide Physical Preparedness Assessment 20%
MEDICAL RESCUE IIIB (MRSB301)	• Introduction to confined space rescue, confined space hazard control • Atmospheric monitoring & ventilation, self-contained/supplied air breathing apparatus • Patient management and removal, physics applied to confined space rescue • Aquatic rescue which consists of the following components: surface water rescue, swift water rescue and small boat handling	Theory Assessment 80% Practical Assessment – must pass all of the skills identified in the study guide Physical Preparedness Assessment 20%

5. BACHELOR OF TECHNOLOGY: EMERGENCY MEDICAL CARE (BTEMC1)

5.1 Programme Information

This programme is in the process of being phased out. The last registration date will be in January 2019.

Assessment and Moderation

Certain Modules in this programme do not have a final examination. The results for these Modules 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 Module below. Moderation follows the DUT requirements.

5.2 Learning Programme - Structure

Code	Modules	Year of Study	Assessment Type (CA/E)	SAQA Credits	Pre-requisite subjects
EDTC101	Educational Techniques I	4	CA	18	None
EMCA401	Emergency Medical Care IV	4	CA	36	None
MNGP101	Management Practice I	4	E	18	None
RRES401	Rescue Research Elective IV	4	CA	30	Research Methodology
RSMG101	Research Methodology	4	CA	18	None

5.3 Programme Rules

5.3.1 Selection Criteria

To register for the BTech: Emergency Medical Care, the applicant must meet all the requirements for the award of either the National Diploma: Ambulance and Emergency Care or the National Diploma: Emergency Medical Care. Current registration with the HPCSA PBEC on the Paramedic (ANT) register is a requirement.

5.3.2 Pass Requirements

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 B Tech: Emergency Medical Care mainly comprises modules with no final examination. As such pass requirements are as follows (as applicable):

1. The Module mark will comprise of all the marks generated during the course of the Module, in the ratio specified in the Study Guide.
2. A minimum of 50% is required to pass the Module.
3. As clinical skills are performed on real patients, in the real world setting, a sub-minimum of 100% will apply to all OSCE evaluations.
4. A sub-minimum of 50% is required for the theory component of all Modules.

5.3.3 Re-registration Rules

The programme is structured to accommodate those National Diploma graduates that are already in full-time employment, nationally and internationally and therefore the B.Tech: programme is offered over two years and only one further year will be allowed for re registration

5.3.4 Interruption of Studies

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. Should a student interrupt their studies, 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 reregister.

5.4 Subject Content

Subject Name (code)	Learning areas / content	Assessment Plan	
Year 1			
RESEARCH METHOD-OLOGY I (RSMG101)	• The aims and importance of research, research instruments, problem identification and development • Literature review, the research proposal, collecting data and analysis, report writing, statistical analysis	Theory evaluations	100%
EDUCATIONAL TECHNIQUES I (EDTC101)	• Theories of knowledge, approaches to education, setting outcomes • Selection of content, selection of strategy • Space, resources and material • Preparation of assessment tools for media	Portfolio of Evidence Presentation	60% 40%
MANAGEMENT PRACTICE I (MNGP101)	• Human resource management, industrial relations, financial management, public relations • Vehicle fleet management	Assignments Theory examination	40% 60%
RESCUE RESEARCH ELECTIVE IV (RRES401)	• Extrication • Fire, search and rescue • Rope rescue • Wilderness search and rescue • Urban search and rescue • Confined space rescue	Research proposal Research project	40% 60%
EMERGENCY MEDICAL CARE IV (EMCA401)	• CORONARY CARE • Coronary care diagnostics, cardiovascular pharmacology, cardiovascular pathophysiology • Acute coronary syndromes • Thrombolysis • Resuscitation of the coronary patient • INTENSIVE CARE • Intensive care nursing skills, the adult intensive are patient, the paediatric intensive care patient • The neonatal intensive care patient • Rapid sequence intubation • Resuscitation of the intensive care patient • DIAGNOSTICS • Introduction to diagnostics • Examining the head and neck; chest; abdomen; pelvis and the extremities Clinical practice requirements: Please note that the clinical practice requirements of this module must be completed and submitted in the form of a portfolio of evidence. This includes the submission of the experiential learning handbook for the module which provides for proof of skills as well as reflection on practice. Even though there is no grade or mark generated, the portfolio is an integral requirement for successful completion of the Emergency Medical Care IV parent subject. Failure to submit the clinical practice portfolio of evidence by the due date will result in failure of the parent subject. Please consult with your programme facilitator should you require further information in this regard.	Theory tests Practical assessments Theory tests Practical assessments Theory	60% 40% 60% 40% 100%

SECTION B: POSTGRADUATE QUALIFICATIONS

6. MASTER OF HEALTH SCIENCES IN EMERGENCY MEDICAL CARE (MHEMC1)

6.1 Programme Information

This is a full research qualification and the guidelines are contained in the Post Graduate Student Handbook This 180-credit qualification is offered at the SAQA NQF Level 9. This programme comprises a comprehensive, independently executed research project that culminates in a dissertation.

The student will undertake self-study that will comprise proposal writing, literature review and writing up of a dissertation under guidance of the appointed supervisor/s.

Contact with supervisor/s and access to the library and available online databases and e-journals is essential throughout the research process. The conducting of field-work/laboratory work/ data collection will be undertaken under supervision following the applicable research methodology in compliance with DUT's Institutional Research Ethics requirements.

Assessment and Moderation

Please refer to the Postgraduate Student Handbook.

6.2 Programme Rules

6.2.1 Minimum Admission Requirements & Selection Criteria

Candidates must be possession of a Bachelors Degree in Emergency Medical Care (NQF Level 8), or must have been granted conferment of status.

Candidates may also apply for admittance via Recognition of Learning (RPL). Acceptance into the Master of Health Sciences in Emergency Medical Care degree is limited and admission is therefore not guaranteed. In the event of there being more applicants than the enrolment plan allows, the ranking will be based on:

1. Academic performance during the undergraduate qualification.
2. A concept document of the proposed research submitted to the Departmental Research Committee for approval

6.2.2 Pass Requirements

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. A dissertation will be submitted for examination to two approved external examiners. The dissertation must reflect original research that makes a significant contribution to the field of Emergency Medical Care and Rescue.

6.2.3 Interruption of Studies

Should there be bona fide reasons for the interruption of studies for a period of one (1) year or more once the candidate is formally registered, the student may apply for an interruption of registration. Registration may be interrupted under exceptional circumstances only and is not done retrospectively.

7. DOCTOR OF PHILOSOPHY: EMERGENCY MEDICAL CARE (DPEMC1)

7.1 Programme Information

This is a full research qualification and the guidelines are contained in the Post Graduate Student Handbook. This 360-credit qualification is offered at the HEQSF Level 10. This programme comprises a novel, comprehensive, independently executed research project that culminates in a thesis.

The student will undertake self-study that will comprise proposal writing, literature review and writing up of a thesis under guidance of the appointed supervisor/s.

Contact with supervisor/s and access to the library and available online databases and e-journals is essential throughout the research process. The conducting of fieldwork/laboratory work / data collection will be undertaken under supervision following the applicable research methodology in compliance with DUT's Institutional Research Ethics requirements.

Assessment and Moderation

Please refer to the Postgraduate Student Handbook.

7.2 Programme Rules

7.2.1 Minimum Admission Requirements & Selection Criteria

The minimum admission requirements to register for the Doctor of Philosophy in Emergency Medical Care degree are:

- Candidates must be in possession of an appropriate Master's degree in the field of Emergency Medical Care and Rescue, or the candidate must have been granted conferment of status.
- Candidates are encouraged to refer to the General Student Handbook and the Postgraduate Student Handbook for further details.

Acceptance into the Doctor of Philosophy in Emergency Medical Care degree is limited and entry is therefore not guaranteed. In the event of there being more applicants than the enrolment plan allows, the following criteria will be applied for selection:

- Candidates must have completed their Master's degree within the prescribed time frame as stated by the Durban University of Technology.
- A concept document of the proposed research topic must be submitted to the Departmental Research Committee for approval prior to registration.

7.2.2 Pass Requirements

Students conduct independent original research through scientific discourse and independent investigation contributing to the development of the field of emergency medical care and rescue. The outcome of this field-specific Doctoral Degree is a comprehensive and systematic grasp of an in-depth body of knowledge in the field of emergency medical care and rescue with the development of specialist expert knowledge, thereby contributing to evidence based

professional practice.

A thesis will be submitted for examination to two approved external examiners. The thesis must reflect original research that makes a significant, novel contribution to the field of Emergency Medical Care and Rescue.

7.2.3 Interruption of Studies

The minimum duration for this programme shall be two consecutive years of registered study and the maximum duration will be four years of registered study.

Should there be *bona fide* reasons for a break of a year or more once you are formally registered, you may apply for a suspension of registration. Your registration may be suspended only under **exceptional circumstances**, and is rarely done retrospectively.