2011 PROSPECTUS

PART 10

POSTGRADUATE STUDIES

ISSN 0258-7343

TSHWANE UNIVERSITY OF TECHNOLOGY



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PLEASE NOTE

- Although the information in this Prospectus has been compiled as accurately as possible, the Council accepts no responsibility for any inaccuracies in this publication. This Prospectus is valid for 2011 only.
- The "overview of syllabus" is only an outline of the syllabus of a subject. The complete syllabus of a subject appears in the subject study guide.
- 3. The campus indicated is subject to change and confirmation.
- 4. Prospective students will not be admitted to any qualification without prior evaluation.
- 5. The closing date for applications for admission to first-semester and year courses is 15 August of the preceding year, except for certain courses of which the closing date is 15 June. The closing date for second-semester courses is 15 May of the year concerned.

THE INDICATED APPLICATION FEES MUST ACCOMPANY ALL APPLICATIONS.

Important:

TUT admission requirements for entry-level programmes adhere to national legislation and therefore the following are required:

- BEd degrees: at least four subjects at a performance level 4.
- National Diplomas: at least four subjects at performance level 3.
- Acceptance is subject to available capacity according to the student Enrolment Plan (SEP).

Please verify specific and additional requirements per programme as indicated in the prospectus.

ACCEPTANCE IS SUBJECT TO AVAILABLE CAPACITY ACCORDING TO THE STUDENT ENROLMENT PLAN (SEP)

Alternative and international qualifications (e.g. HIGSCE, IGCSE, NSSC A&O Level, IB Higher and Standard Level) will be assessed on the equivalent basis by the South African Qualifications Authority, and a full or conditional exemption certificate will be issued. This exemption certificate is a prerequisite for all students who want to enrol for undergraduate studies. The Tshwane University of Technology cannot obtain this certificate on your behalf. Candidates may also apply for recognition of prior learning at the Office of the Registrar. The specific relevant documentation will be requested from these applicants, and these cases will be handled on an individual basis. Candidates from private schools in South Africa (who did not write any of the examinations mentioned above) may apply to the Office of the Registrar for admission via the Senate's discretionary route.

ENQUIRIES

Contact Centre Tel: 086 1102 421

Admission Enquiries Tel: 012 382 5750

The Registrar Private Bag X680 PRETORIA 0001 Tel: 012 382 5911

ARCADIA CAMPUS Private Bag X680 PRETORIA 0001 Tel: 012 382 5911

ARTS CAMPUS Private Bag X680 PRETORIA 0001 Tel. 012 382 5911

EMALAHLENI CAMPUS

The Campus Director PO Box 3211 EMALAHLENI 1035 Tel: 013 653 3100

GA-RANKUWA CAMPUS

Private Bag X680 PRETORIA 0001 Tel: 012 382 0500

MBOMBELA CAMPUS (NELSPRUIT CAMPUS)

The Campus Director Private Bag X11312 NELSPRUIT 1200 Tel: 013 745 3500/3603

POLOKWANE CAMPUS

The Campus Director Private Bag X9496 POLOKWANE 0700 Tel: 015 287 0700

PRETORIA CAMPUS

Private Bag X680 PRETORIA 0001 Tel: 012 382 5911

SOSHANGUVE CAMPUS

Private Bag X680 PRETORIA 0001 Tel: 012 382 9000

Enquiries relating to fees:

The Chief Financial Officer Private Bag X680 PRETORIA 0001 Tel: 086 1102 422 Fax: 086 110 2421

Fax: 012 382 5114

175 Nelson Mandela Drive PRETORIA Fax: 012 382 5114

Cnr. Du Toit and Edmund streets PRETORIA Fax: 012 382 5114

19 Swartbos Avenue EMALAHLENI Fax: 013 653 3101

2827, Zone 2, Botsi Street GA-RANKUWA Fax: 012 382 0814

Madiba Drive NELSPRUIT Fax: 013 745 3512

Cnr. Market and Excelsior streets POLOKWANE Fax: 015 297 7609

Staatsartillerie Road PRETORIA WEST Fax: 012 382 5114

2 Aubrey Matlala Road, Block K SOSHANGUVE Fax: 012 382 0966

Fax: 012 382 5701

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POST-DIPLOMA AND POSTGRADUATE STUDENTS

1. ONE-YEAR POST-DIPLOMA QUALIFICATIONS

Certain bachelor's degrees in technology with a minimum duration of one year, the Bachelor of Education (Honours) (BEd (Hons)), the Advanced Certificate in Education (ACE), the Post Graduate Certificate in Education (PGCE) and the Higher Diploma: Higher Education and Training are currently presented in a number of academic departments as post-diploma gualifications.

2. POSTGRADUATE STUDIES

It is the policy of Tshwane University of Technology to:

Ensure that effective and quality supervision at postgraduate level is provided by qualified supervisors.

The Tshwane University of Technology (TUT) offers the following master's and doctorate programmes:

- Master's Degree in Technology (Magister Technologiae)
- Master's Degree in Education (MEd)
- Master's Degree in Business Administration (MBA)
- Doctorate in Technology (Doctor Technologiae)
- Doctorate in Education (DEd)

3. ADMISSION REQUIREMENTS

3.1 One-year post-diploma qualifications

A student will not be admitted to a one-year post-diploma qualification unless he or she is the holder of a suitable national diploma or an equivalent qualification in an applicable field.

3.2 Master's degrees

A student will not be admitted to enrol for a master's degree unless he or she is already in possession of a suitable bachelor's degree in technology or an equivalent qualification in a relevant study field.

3.3 Doctorates

A student will not be permitted to enrol for a doctorate unless he or she is already in possession of a master's degree or an equivalent qualification in a relevant study field.

Please note: Prospective students must consult the relevant section of the latest Prospectus, as well as the publication, Students' guidelines for postgraduate study.

4. DURATION OF QUALIFICATION

- 4.1 Unless explicitly stated otherwise, the minimum period of study for one-year post-diploma programmes, one-year B Tech programmes and BEd (Honours) programmes is one academic year and the maximum is two academic years, if offered to day-class students. The maximum period for distance education and evening-class students is three years.
- 4.2 The period of study allowed for a master's degree is a minimum of one and a maximum of three academic years.
- 4.3 The period of study for a doctorate is a minimum of two (2) and a maximum of five (5) academic years.
- 4.4 The readmission of a student who has already been registered for the maximum number of years and who has not yet completed his or her studies will be permitted only after the head of the department has interviewed the student, and the dean has given written permission for further registration. After approval of extension, one third of the fixed class fees is payable annually by postgraduate students. The stipulations of rules 8.5.5 and 8.5.6 also apply.

5. APPLICATION FOR ADMISSION AND REGISTRATION

- 5.1 Admission to all programmes is subject to evaluation. No prospective student will be allowed to register for any programmes without prior evaluation.
- 5.2 Registration for post-diploma qualifications, with the exception of postgraduate qualifications, takes place simultaneously with registration for the four-year B Tech degrees, and national diplomas.
- 5.3 Prospective students for postgraduate studies must apply for admission to the relevant programmes and academic departments on the required application form before the official closing date. (Also see the publication *Students' guidelines for postgraduate study*.)
- 5.4 Registration for a postgraduate degree takes place throughout the academic year.
- 5.5 All students must register for each academic term within the registration period, and must make the required initial payment.
- 5.6 Registration as a student is valid for one (1) academic year only. Should a student fail to register for the subsequent academic year, he or she has to apply for admission, register and pay the full amount required again.
- 5.7 An annual administration fee is payable in respect of each period of registration until the student has completed his or her programme.
- 5.8 It is a student's own responsibility to register each year. Only registered students may receive guidance from their supervisors.

6. THE GRANTING OF STATUS

6.1 DEFINITIONS

In this chapter, unless otherwise indicated -

"status" means the recognition granted to a person who registers for an accredited programme if the person is not the holder of the required admission qualification or an equivalent qualification, but is the holder of a qualification on the same NQF level of the prerequisite qualification, the person is thus required to supplement pre(foundational) knowledge by means of completing additional instructional offerings relevant to the field of specialisation or by means of recognition of prior learning (RPL) (please note: full status can be achieved through RPL);

"equivalent qualification" means a qualification completed at an accredited institution of higher education which is not identical to the set entry programme (e.g. BCom versus N Dip), but which is evaluated on the same NQF level, and of which the study content overlaps with at least 70% with that of the set entry qualification; and

"Accredited institution of higher education" means one of the following:

- A South African public institution of higher education
- A private provider of higher education, registered with the Registrar of Private Higher Education Institutions
- An internationally accredited institution of higher education, accredited by its government as an institution of higher education

6.2 RULES

- 6.2.1 Diplomates and graduates from other recognised higher educational institutions who do not comply with the entry requirements for the relevant programmes, must obtain status equivalents to the prerequisite qualifications at TUT before being permitted to study at this institution.
- 6.2.2 Applications for status are approved by the Senate.
- 6.2.3 Applications for status must be made on the required form.

- 6.2.4 In cases where certain subjects are required for a master's degree, the student must first pass the subjects before he or she will be permitted to register a project, or where subjects are required or conditions have been set for approval of status, these subjects must be passed or the conditions be complied with prior to registration for the intended programme.
- 6.2.5 Equivalent qualifications that were obtained at accredited institutions of higher education, and which are not identical to the set entry qualification (e.g. BSc versus N Dip), but which are evaluated on the same NQF level, and of which the study content overlaps with at least 70% with that of the required entry qualification, are approved by the relevant Faculty Executive Committee.
- 6.2.6 RPL applications submitted for status should follow the RPL assessment route (See Chapter 30).

7. APPROVAL AND REGISTRATION OF A PROJECT

Please note: The relevant instructions and procedures are contained in the publication, *Students' guidelines for postgraduate study*, which is available on request.

- 7.1 For postgraduate degrees, prospective students must first apply to the academic department concerned for approval of the draft project proposal.
- 7.2 After the study panel of an academic department has accepted a provisional project, the student may register, keeping in mind the provisions of rule 8.5.3.
- 7.3 Registered students who have not yet passed the subject, Research Methodology, will have to complete it, in consultation with the head of the department.
- 7.4 The student must submit the research proposal to the head of the relevant academic department within six months of the date of registration. His or her registration will be cancelled if he or she fails to do so.

8. DISSERTATION OR THESIS

- 8.1 When the student has progressed with the project to the satisfaction of his or her supervisor, he or she must present the research results at a colloquium, as arranged.
- 8.2 After the colloquium has been completed successfully, the final copy of the thesis or dissertation must be prepared. The dissertation or thesis must be typed and the layout must be the final version, which must comply with the set guidelines.
- 8.3 The editing and the technical standard of the dissertation are the responsibility of the student and must comply with the norms contained in the publication, Guidelines for the preparation of dissertations and theses.
- 8.4 The student must complete all corrections and improvements before preparing a sufficient number of soft-cover copies of the dissertation or thesis for assessment, which he or she must then submit to the supervisor.

Closing dates: 31 March for the September graduation ceremonies 31 October for the April graduation ceremonies

- 8.5 After assessment, the student must make the corrections as required by the supervisor and then prepare five hard-cover copies. All the copies, accompanied by the declaration of completion of studies, one (1) electronic copy, and a draft scholarly article for publication in a peer-reviewed journal (master's) or copies of two scholarly articles that have already been submitted for publication in a peer-reviewed journal (doctorate) must be handed in at Student Administration or the administrator of the faculty concerned.
- 8.6 These copies must be handed in before one of the following dates in order for the qualification to be conferred at the next graduation ceremony:

Before 31 July for the September graduation ceremonies Before 28 February for the April graduation ceremonies

9. PASS REQUIREMENTS

- 9.1 A student will pass a subject that has been set for a one-year post-diploma or postgraduate programme by obtaining a pass mark, or a final mark of 50% or more for that subject, subject to the provisions of rules 4.3.1 and 8.9.2, and by obtaining a final mark of 50% or more for a module with its own alphanumerical code, subject to the provisions of rule 4.3.1: Provided that he or she should obtain the required subminimum of 40% in the assessment, or according to faculty specifications for the MBA degree.
- 9.2 A student must obtain a subminimum mark of at least 40% in an assessment in order to pass, and if the assessment in a subject comprises two or more question papers, a subminimum mark of at least 40% must be obtained for each paper. A subminimum pass mark of 50% is required in the case of practical question papers and practical assessment. See faculty specifications for the MBA degree.
- 9.3 Rules 4.1.12.3, 4.1.12.4, 4.1.12.5, 4.1.12.6, 4.1.12.7, 4.1.12.9, 4.1.12.11, 4.1.12.12, 4.3, 4.4, 4.5, 4.6, 4.7.3, 4.7.4, 4.7.5, 4.7.7, 4.8, 4.9, 4.10, 4.12, 4.13 and 9.1 apply mutatis mutandis.
- 9.4 A student will pass a subject with distinction by obtaining a final mark of at least 75% in that subject. This implies that each separate module should also have been passed with a mark of at least 75% (see rule 9.4).
- 9.5 Students must obtain a pass mark in a research report, dissertation or thesis.

Please note: The format of a dissertation or thesis must be according to the guidelines, the language must be edited, and it must be compiled and produced in accordance with the guidelines contained in the publication, Guidelines for the preparation of dissertations and theses.

9.6 See rule 4.1.12.

10. REQUIREMENTS FOR GRADUATION

10.1 RESEARCH BASED MASTER'S DEGREES

In order to be awarded a research based master's degree, a student has to comply with the following requirements:

- A colloquium
- A draft of at least one scholarly article, ready for submission for publication in a peer reviewed journal, preferably accredited (to be handed in with the final dissertation)
- A dissertation to be assessed by two external assessors.

10.2 STRUCTURED MASTER'S DEGREE

In order for a student to pass the mini-dissertation, it has to be examined by two external assessors.

10.3 DOCTORATES

In order to be awarded a doctorate degree, a student has to comply with the following requirements:

- A colloquium.
- Copies of at least two (2) scholarly articles that have already been submitted for publication
 in an accredited or peer reviewed journal (proof that the journal has received these must be
 handed in with the copies of the final version or legal deposit copy of the thesis). (Please
 Note: Faculties may add own requirements but these must be submitted to Senate for
 approval. All requirements must be clearly stated in the Prospectus of each Faculty)
- A thesis to be assessed by two (2) external assessors.
- A successful defence of the thesis.

11. CESSION OF COPYRIGHT AND PUBLICATION OF DISSERTATION OR THESIS

The copyright on a dissertation or thesis that is submitted to TUT in fulfilment or partial fulfilment of the requirements for a master's degree or doctorate shall vest in the University, irrespective of whether such dissertation or thesis is accepted or not.

(a) The copyright should therefore be ceded. On registration, it is pointed out to the student that, on signing the form (PGS010), the entire copyright is ceded to TUT, unless if, in exceptional circumstances, exemption from cession of copyright is applied for and granted. Fully substantiated reasons must be submitted with applications for exemption.

If a dissertation or thesis is not accepted, the student may apply to the University for the ceding of copyright back to him or her.

- (b) No dissertation or thesis or any part thereof, including any summary of the dissertation or any part thereof, shall be printed or published without the permission of the Registrar. Such permission may be granted, subject to –
 - reference being made in the published work to it having been submitted to TUT in the form of a dissertation or thesis;
 - one or more copies of the published work being handed in at the University; and
 - such changes being effected as may be recommended by the supervisor, examiners or others, and such other conditions being met as the University may deem fit from time to time.

If permission is granted to a student to publish his or her dissertation or thesis, the publication of the work must be carried out in consultation with his or her supervisor.

Please note: Exemption from the application of rule 8.10 will be granted in exceptional circumstances only.

12. RIGHT TO APPEAL

- 12.1 Postgraduate candidates who are not satisfied with the outcome of the final marks for their research reports, dissertations or theses, may submit written appeals to the executive dean of the faculty concerned.
- 12.2 The dean and relevant head of department will decide on the merit of an additional assessment option. Where an additional assessment is introduced, no further assessments will be conducted after the calculation of a new fixed mark.



1. FACULTY OF ECONOMICS AND FINANCE

1.1 DEPARTMENT OF AUDITING

1.1.1 MAGISTER TECHNOLOGIAE: INTERNAL AUDITING Qualification code: MTIA95

REMARKS

b

CODE

a. Admission requirement(s):

SUBJECT

: A Baccalaureus Technologiae: Internal Auditing or an equivalent qualification, with a 60% pass mark for Internal Auditing IV.

A student should preferably have passed Research Methodology before registration, and if not, should definitely pass that subject before his/her dissertation will be accepted.

- Selection criteria: A structured interview with the supervisor.
- c. Duration: A minimum of one year and a maximum of three years.
- d. Presentation and campus: Ga-Rankuwa Campus (research).
- e. Subject credits: Subject credits are shown in brackets after each subject.

CREDIT

IAU500TDissertation: Internal Auditing(1,000)IAU500RDissertation: Internal Auditing(0,000)(re-registration)(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

1.1.2 DOCTOR TECHNOLOGIAE: INTERNAL AUDITING Qualification code: DTIA96

REMARKS

b.

- a. Admission requirement(s): A Magister Technologiae: Internal Auditing or an equivalent qualification.
 - Selection criteria: A structured interview with the supervisor.
- c. Duration: A minimum of two years and a maximum of five years.
- d. Presentation and campus: Ga-Rankuwa Campus (research).
- e. Subject credits: Subject credits are shown in brackets after each subject.

CODE SUBJECT CREDIT

IAU700T Thesis: Internal Auditing (2,000) IAU700R Thesis: Internal Auditing (0,000) (re-registration)

TOTAL CREDITS FOR THE QUALIFICATION: 2,000

1.2 DEPARTMENT OF ECONOMICS

1.2.1 MAGISTER TECHNOLOGIAE: COMPARATIVE LOCAL DEVELOPMENT (Structured) Qualification code: MTCVS0

THIS QUALIFICATION IS PRESENTED UNDER THE AUSPICES OF THE INSTITUTE FOR ECONOMIC RESEARCH ON INNOVATION (IERI).

REMARKS

а.	Admission requirement(s):	 Applicants should – be in possession of any four-year university degree in Economics, Law, Political Science, Sociology or an equivalent qualification; be fluent in English and computer literate; present a project work proposal; and Demonstrate congruence of experience and motives with the nature of the programme.
b.	Selection criteria:	Admission is subject to selection. Priority will be given to candidates who are employed full-time.
C.	Duration:	A minimum of 24 months and a maximum of three years. Students have to re-register annually for this qualification.
d.	Presentation and campus:	Pretoria Campus (Metro Skinner Street) (block-based classes).
e.	Research project:	The project may be presented either as a paper or as a report, preferably including an operation activity plan. The evaluation of the research project is an important part of the total evaluation of the participant's work. Participants will be presenting and defending the results in an open discussion.
f.	Subject credits:	Subject credits are shown in brackets after each subject.

Key to asterisks

Attendance of both the pre-programme and the introductory course is compulsory, although they do not carry any credits. The purpose of the pre-programme is to introduce students to the programme and course supervisors, and to arrange course logistics. The purpose of the introductory course is to provide solid baseline knowledge in the three core disciplines of economics, law and sociology. In cases where a student lacks proficiency in the English language the course Introduction to English needs to be attended.

SUBJECTS ARE OFFERED AS DETERMINED BY THE DEPARTMENT.

ATTENDANCE

FIRST SEMESTER

CODE	SUBJECT	CREDIT
EAL501T	Economic Approaches to Local Development	(0,075)
LAL501T	Legal Approaches to Local Development	(0,075)
RAM501T SAL501T	Pre-programme* Socio-political Approaches to Local	(0,000) (0,075)
	Development	

TRO501T TTE501T	Introductory Cou Introduction to E	(0,000) (0,000)		
TOTAL CR	EDITS FOR THE	SEMESTER:	0,225	
SECOND	SEMESTER			
DEP501T	Local Developm	ent and	(0,075)	
MVS501T	Management of	(0,075)		
RIG501T	Regional Integra Governance	tion and Multilevel	(0,075)	
TOTAL CREDITS FOR THE SEMESTER: 0,225				
THIRD SEI	MESTER			
CLD501T CLD501R FLD501T IER501T	Research Project Research Project Financial Aspect Development Internship	et ct (re-registration) ts of Local	(0,250) (0,000) (0,075) (0,075)	
PJG521T SLV501T	Project Manager Sustainable Loc	ment al Development	(0,075) (0,075)	
TOTAL CREDITS FOR THE SEMESTER: 0,550				

1.2.2 SUBJECT INFORMATION

Syllabus content subject to change to accommodate industry changes.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: ECONOMIC APPROACHES TO LOCAL DEVELOPMENT EAL501T CONTINUOUS ASSESSMENT ± 34 hours

Exploring the conditions for economic development, focusing on innovation systems theory.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: FINANCIAL ASPECTS OF LOCAL DEVELOPMENT FLD501T CONTINUOUS ASSESSMENT ± 34 hours

The role of the financial system in the process of local economic development. Policy instruments used to strengthen the financial support to the development process.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: INTERNSHIP IER501T CONTINUOUS ASSESSMENT ± 34 hours

Practical exposure to policy design and implementation in relevant government departments or NGOs. This will enable students to bring the theoretical aspects of the programme to an unfamiliar workplace and to critically assess current practices.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS:

INTRODUCTION TO ENGLISH TTE501T CONTINUOUS ASSESSMENT Not available

The main aim of this course is to ensure that students are sufficiently proficient in English so as to be able to follow lectures, read prescribed and recommended material and write exams and reports.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: INTRODUCTORY COURSE TRO501T CONTINUOUS ASSESSMENT Not available

This part of the programme consists of an introduction to the programme in order to ensure that students enter the programme fully aware of its requirements and are well prepared for them.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: LEGAL APPROACHES TO LOCAL DEVELOPMENT LAL501T CONTINUOUS ASSESSMENT ± 34 hours

Underlying legal concepts in local development and laying the foundation for exploring the organisation and functions of the different levels of government and administration. Focus on the organisation of local government from a comparative perspective, with particular focus on the constitutional frameworks and institutions of the countries of southern Africa as re-shaped in the transitional period of the 1990s. The legal basis for trans-border cooperation in the southern African region and the outlook of the progressive embodiment of traditional law in modern constitutional systems will be studied.

SUBJECT NAME:

SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: LOCAL DEVELOPMENT AND ENTREPRENEURSHIP POLICIES DEP501T CONTINUOUS ASSESSMENT ± 34 hours

Define the concept of entrepreneurship by paying special attention to the specificity of contexts within which entrepreneurship becomes manifest, the different types and roles of entrepreneurship and the role of institutions in determining which features prevail. Barriers to entrepreneurship and the relevant policy implications. Distribution of SMMEs. Underground economy and organised criminality.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: MANAGEMENT OF DIVERSITIES IN SOCIETIES MVS501T CONTINUOUS ASSESSMENT ± 34 hours

Examining the challenges of the pluralistic society for local development. Regulation and management of diversities and relations in plural societies with the emphasis on the regulation and management of ethnic relations and the prevention, management and resolution of conflict. Concepts related to identifying difference and diversity and their implications for local development. Students will be equipped with conceptual frameworks, skills and strategies for managing these differences to create opportunities for local development.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS:

PRE-PROGRAMME RAM501T CONTINUOUS ASSESSMENT Not available

It is assumed that entrants to this programme will usually be proficient in only one of the foundation disciplines. The aim of this component of the qualification is therefore to train students in the fundamentals of the four foundation disciplines so as to ensure that a common disciplinary language base exists prior to entering the core programme.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: PROJECT MANAGEMENT PJG521T CONTINUOUS ASSESSMENT ± 34 hours

Designing, developing and evaluating programmes and presenting them effectively orally and in writing.

SUBJECT NAME:

SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: REGIONAL INTEGRATION AND MULTILEVEL GOVERNANCE RIG501T CONTINUOUS ASSESSMENT ± 34 hours

Evaluating and understanding the economic, legal, political and social implications and the contributions of the process of regional integration and multi-level governance to local development.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS:

RESEARCH PROJECT CLD501T CONTINUOUS ASSESSMENT Not available

Analysis, research and experience are combined to produce an original and innovative project for local development in southern Africa or other areas in transformation. The students' ability to research, apply and elaborate on the knowledge and technical expertise they acquired during the taught component of the programme is developed.

SUBJECT NAME:

SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: SOCIO-POLITICAL APPROACHES TO LOCAL DEVELOPMENT SAL501T CONTINUOUS ASSESSMENT ± 34 hours

An orientation to the alternative socio-political theoretical and conceptual explanations of the process of development and the differing international, national and regional factors affecting local development.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: SUSTAINABLE LOCAL DEVELOPMENT SLV501T CONTINUOUS ASSESSMENT ± 34 hours

Highlighting the basic concepts in sustainable development by drawing out certain policy implications. Special attention is devoted to the general concepts and methodological issues, but empirical examples will also be discussed.

1.3 DEPARTMENT OF MANAGERIAL ACCOUNTING AND FINANCE

1.3.1 MAGISTER TECHNOLOGIAE: COST AND MANAGEMENT ACCOUNTING Qualification code: MTCM95

REMARKS

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Admission requirement(s):	A Baccalaureus Technologiae: Cost and Management		
	Accounting or an equivalent qualification and an interview with		
	the supervisor.		

A student should preferably have passed Research Methodology before registration, and if not, should definitely pass that subject before his/her dissertation will be accepted.

- b. Selection criteria: All applications are subject to selection.
- c. Duration: A minimum of one year and a maximum of three years.
- d. Presentation and campus: Ga-Rankuwa Campus (research).
- e. Subject credits: Subject credits are shown in brackets after each subject.

 CODE
 SUBJECT
 CREDIT

 CMA500T
 Dissertation: Cost and Management (1,000) Accounting
 (0,000)

CMA500R Dissertation: Cost and Management (0,000) Accounting (re-registration)

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

1.3.2 DOCTOR TECHNOLOGIAE: COST AND MANAGEMENT ACCOUNTING Qualification code: DTCM95

REMARKS

a.	Admission requirement(s):	A Magister Technologiae: Cost and Management Accounting or an equivalent qualification and an interview with the supervisor.
b.	Selection criteria:	All applications are subject to selection.
C.	Duration:	A minimum of two years and a maximum of five years.
d.	Presentation and campus:	Ga-Rankuwa Campus (research).
e.	Subject credits:	Subject credits are shown in brackets after each subject.
COD	DE SUBJECT	CREDIT
CMA	700T Thesis: Cost and Man	agement (2,000)
СМА	Accounting A700R Thesis: Cost and Man Accounting (re-registra	agement (0,000) ation)
тот	AL CREDITS FOR THE QUA	LIFICATION: 2,000

2. FACULTY OF ENGINEERING AND THE BUILT ENVIRONMENT

2.1 DEPARTMENT OF ARCHITECTURE

(Please see Part 3 of the Prospectus (page 13) for generic requirements for all qualifications offered by this department)

2.1.1 MAGISTER TECHNOLOGIAE: ARCHITECTURE: PROFESSIONAL (Structured) Qualification code: MTPSS0

Purpose of the qualification:

To provide the student with the skills, knowledge and understanding necessary to follow a career as a competent Professional Architect.

REMARKS

a. Admission requirement(s):

A Baccalaureus Technologiae: Architecture: Professional or an NQF level 7 bachelor's/honours (Professional) degree in Architecture obtained from a South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered. Foreign students will be required to submit an evaluation by the South African Qualifications Authority (SAQA) of their qualifications with their application forms for admission. The Faculty reserves the right to assess these qualifications and the applicant's suitability for admission to the programme.

Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

- b. Selection criteria: Admission is subject to selection.
- c. Duration: A minimum of two years and a maximum of three years.
- d. Presentation and campus: Pretoria Campus (day and block-based classes).

e.	Accreditation by professional body:	This qualification has been accredited by th Council for the Architecture Profession (SAC	e South African CAP).

f. Subject credits: Subject credits are shown in brackets after each subject.

FIRST YEAR

Subjects must be taken in combinations and in sequence as indicated. The following rules will apply for the first year:

CHH500T and NSY500T must be taken concurrently.

** CSM500T and KME500T must be taken concurrently.

*** ACH500T and THD500T must be taken concurrently.

CODE	SUBJECT	CREDIT	PREREQUISITE SUBJECT(S)
ACH500T AHC500T	Architectural Design V*** Architectural Practice V	(0,150)	
BMN500T	Business Management V	(0,040)	
CHH500T	Computer Hardware V*	(0,020)	
CSM500T	Construction Materials V**	(0,040)	
KME500T	Construction Methods V**	(0,040)	
NSY500T	Network Systems V*	(0,030)	
THD500T	Theory of Design V***	(0,040)	
TOTAL CR	EDITS FOR THE FIRST YEAR:	0,400	

SECOND YEAR

Subjects must be taken in combinations and in sequence as indicated. The following rules will apply for the second year:

- CDO500T and SFN500T must be taken concurrently.
- ** RMD500T must precede ATG510T.

ATG510T	Research Report: Architecture: Professional V	(0,500)	Architectural Design IV
ATG510R	Research Report: Architecture: Professional V (re-registration)	(0,000)	
CDO500T	Contract Documentation V*	(0,060)	
RMD500D	Research Methodology**	(0,020)	
SFN500T	Specification V*	(0,020)	
TOTAL CR	EDITS FOR THE SECOND YEAR:	0,600	
TOTAL CR	EDITS FOR THE QUALIFICATION:	1.000	

2.1.2 MAGISTER TECHNOLOGIAE: ARCHITECTURAL TECHNOLOGY (Field of specialisation: Technology) (Structured) Qualification code: MTAD96

Purpose of the qualification:

To provide the student, who wishes to specialise in the technological aspects of architecture, with the skills, knowledge and understanding necessary to follow a career as a competent Architectural Technologist.

REMARKS

a.	Admission requirement(s):	A Baccalaureus Technologiae: Architectural Technology or an NQF level 7 bachelor's or honours degree in Architecture obtained from a South African university.
		Holders of any other equivalent South African or foreign qualifications may also be considered. Foreign students will be required to submit an evaluation by the South African Qualifications Authority (SAQA) of their qualifications with their application forms for admission. The Faculty reserves the right to assess these qualifications and the applicant's suitability for admission to the programme.
		Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.
b.	Duration:	A minimum of one year and a maximum of three years.
C.	Presentation and campus:	Pretoria Campus (day and block-based classes).
d.	Subject credits:	Subject credits are shown in brackets after each subject.

SUBJECTS PRINTED IN BOLD ARE NOT FOR REGISTRATION PURPOSES

YEAR SUBJECTS

Subjects must be taken in combinations and in sequence as indicated. ATG50PT must precede ATG50QT and the following rule will apply to the qualification: * ARM50PT and ARM50QT must be taken concurrently.

CODE	SUBJECT	CREDIT	PREREQUISITE SUBJECT(S)
ARM500T	Architectural Management V		
ARM50PT	Architectural Management: Construction Methods V*	(0,200)	Construction and Detailing: Construction Methods IV
ARM50QT	Architectural Management:	(0,200)	Construction and Detailing:
ATG500T	Research Report: Architectural		
	Technology: Technology V		
ATG50PT	Research Report: Architectural	(0,100)	
	Technology: Technology: Research		
	Methodology V		
ATG50PR	Research Report: Architectural	(0,000)	
	Technology: Technology: Research		
	Methodology V (re-registration)	()	
AIG50QI	Research Report: Architectural	(0,500)	
	Technology: Technology:		
ATOFOOD	Technology V	(0,000)	
AIG50QR	Research Report: Architectural	(0,000)	
	Technology, V (re registration)		
	recimology v (re-registration)		
TOTAL CR	EDITS FOR THE QUALIFICATION	1 000	
I O I NE OI	EBITOTOR THE GOVENTOR.	.,	

2.1.3 SUBJECT INFORMATION

Syllabus content subject to change to accommodate industry changes.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: ARCHITECTURAL DESIGN V ACH500T CONTINUOUS ASSESSMENT Not available

Design exercises pertaining specifically to housing and community in urban and rural context. Community and building visits (precedent studies). Housing design based on mass-production systems and technology. Research paper relating to a specific field of interest.

SUBJECT NAME:

SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: ARCHITECTURAL MANAGEMENT: CONSTRUCTION MATERIALS V ARM50QT CONTINUOUS ASSESSMENT Not available

Metals: steel, stainless steel, titanium, copper, chrome, nickel and their finishes as hi-tech materials. Composite materials: carbon fibre, GRP, etc. Timber: timbers and laminates as both hi-tech and low-tech materials. Membranes: Teflon and fibre-reinforced plastics. Cables and fasteners: cables and accessories for tensile structures and glazing systems. Adhesives: for specialised applications. Earth: PISE (pneumatically impacted stabilised earth). Stone: use as a structural material.

SUBJECT NAME:

SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: ARCHITECTURAL MANAGEMENT: CONSTRUCTION METHODS V ARM50PT CONTINUOUS ASSESSMENT Not available

Post-construction analyses: how well a building performs and post-occupancy, user satisfaction surveys. Detailing: performance criteria, evaluation of existing details and generation of model details. Deterioration of buildings: performance criteria, evaluation of details and case studies. Structures: tensile, flat-plate, composite structures, performance during fires and innovative reinforced concrete. Intelligent building: automation and buildings that "learn". Systems of building: certification, standards, etc. Concepts of quality assurance in the production of buildings. Manufacturers' programmes. Indigenous African building methods.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS:

ARCHITECTURAL PRACTICE V AHC500T CONTINUOUS ASSESSMENT Not available

The profession: the council and institutes, legislation, scale of fees, copyright of building plans, ethics and professional conduct. Architectural services and duties: pre-project studies, appraisal and definition of the project, design concept, design development, approval and technical documentation, contract administration and inspection, supplementary services. Managing projects and clients: agreements with clients, agreeing on fees, presenting accounts for services rendered, the architect as the client's principal agent, project programming and familiarisation, directing and reviewing the project, cost-saving techniques, project control and systems, coordination of consultants, keeping in touch, developing client relationships, the second sell. The process of architecture: design and construction documentation, writing effective reports and letters, concept presentation, developing the design, management and documentation, common deficiencies in working drawings, agendas, minutes and meetings. Approvals and applications for relaxation, keeping informed. Post-completion responsibilities: debriefing and job history, the owner's maintenance manual, as-built drawings, post-occupation user satisfaction surveys.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: BUSINESS MANAGEMENT V BMN500T CONTINUOUS ASSESSMENT Not available

Organisational structures: fundamental principles and strategy, partners and philosophy, potential business, strengths and weaknesses, types of organisations, the business plan. Office accommodation: address and locality, space requirements, equipment requirements and layout, image. Office organisation: communications, stationery, library, administrative files, job files. Managing the business: financial planning and budgets, overheads, finance, value-added tax (VAT), PAYE, personal tax, pensions, etc. Insurance, project control and systems, suppliers, employing staff, the unforeseen and the unfortunate, critical management information. Larger companies: communications and structure, specialisation in design, specialisation in marketing, divisionalisation, losing the spice of life. Managing oneself and one's team: self-management; adtitudes, tools, techniques. Marketing and generating new business: essentials of marketing, targeting by sector, building on one's strengths, filling the gaps, being prepared, selling techniques, indirect promotion, building up one's portfolio.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: COMPUTER HARDWARE V CHH500T CONTINUOUS ASSESSMENT Not available

An overview of all the current important terminology, concepts and basics of computing hardware. Hardware support based on MCSE A+ certification. Software support skills relating to the Windows operating system.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS:

CONSTRUCTION MATERIALS V CSM500T CONTINUOUS ASSESSMENT Not available

Metals: steel, stainless steel, titanium, copper, chrome, nickel and their finishes as hi-tech materials. Composite materials: carbon fibre, GRP, etc. Timber: timbers and laminates as both hi-tech and low-tech materials. Membranes: Teflon and fibre-reinforced plastics. Cables and fasteners: cables and accessories for tensile structures and glazing systems. Adhesives for specialised applications. Earth: PISE (pneumatically impacted stabilised earth). Stone: use as a structural material.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS:

CONSTRUCTION METHODS V KME500T CONTINUOUS ASSESSMENT Not available

Post-construction analyses: how well a building performs, post-occupancy, user satisfaction surveys. Detailing: performance criteria, evaluation of existing details and generation of model details. Deterioration of buildings: performance criteria, evaluation of details and case studies. Structures: tensile, flat-plate, composite structures, performance during fires and innovative reinforced concrete. Intelligent building: automation, buildings that "learn". Systems of building: certification, standards, etc. Concepts of quality assurance and quality control in the construction and production of buildings. Manufacturers' programmes. Indigenous African building methods.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS:

CONTRACT DOCUMENTATION V CDO500T CONTINUOUS ASSESSMENT Not available

No set syllabus, but this subject is based on the design thesis. It is integrated with Construction Methods V and Construction Materials V to produce a complete set of related working drawings.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: NETWORK SYSTEMS V NSY500T CONTINUOUS ASSESSMENT Not available

Networking hardware basics and terminology. Operating system set-up for networking. Data security. Maintaining networks. Software support skills (network-related) for Windows 2000 Professional and Windows XP.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: RESEARCH METHODOLOGY RMD500D CONTINUOUS ASSESSMENT Not available

Research methodology: scope and nature of the dissertation, administrative procedures, research topics, the problem and its setting, research proposals, applications for funding, research protocols and research planning. Design as a problem-solving process: formulation of design principles, solving conflicting requirements, precedent studies, design thinking and the evaluation of design. Technical structure of a dissertation: format, layout, numbering system, typography, bibliography and referencing.

SUBJECT NAME:

SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: **OVERVIEW OF SYLLABUS:**

RESEARCH REPORT: ARCHITECTURAL TECHNOLOGY TECHNOLOGY: RESEARCH METHODOLOGY V ATG50PT CONTINUOUS ASSESSMENT Not available

Research methodology: scope and nature of the dissertation, administrative procedures, research topics, the problem and its setting, research proposals, applications for funding. research protocols and research planning. Technical structure of a dissertation, format, lavout, numbering system, typography, bibliography and referencing.

SUBJECT NAME:

SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS:

RESEARCH REPORT: ARCHITECTURAL TECHNOLOGY: TECHNOLOGY: TECHNOLOGY V ATG50QT CONTINUOUS ASSESSMENT Not available

The dissertation involves the investigation of a relevant research problem.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: **OVERVIEW OF SYLLABUS:**

RESEARCH REPORT: ARCHITECTURE: PROFESSIONAL V ATG510T CONTINUOUS ASSESSMENT Not available

Appraisal and definition: clarifying the problem statement and design objectives, formulating functional relationships, collecting information on the state of the art, formulating requirements and needs. Design concept: searching for conceptual solutions, producing alternative concepts, evaluating alternative solutions, determining the final conceptual form. Building design: producing a refined design, producing alternatives, technical evaluation, selecting the final design for detailed formulation.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: SPECIFICATION V SEN500T CONTINUOUS ASSESSMENT Not available

Purpose and use of specifications. Formats of specifications. Compilation of a specification document from standard clauses. Writing specification clauses. Specification as part of the legal framework.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: **OVERVIEW OF SYLLABUS:** THEORY OF DESIGN V THD500T CONTINUOUS ASSESSMENT Not available

Weekly seminars dealing with aspects such as social conditions, politics and policies that influence the provision of housing in theory and practice. Participation in Community Planning Forum activities. Research paper relating to a specific field of interest.

2.2 DEPARTMENT OF BUILDING SCIENCES

2.2.1 MAGISTER TECHNOLOGIAE: CONSTRUCTION MANAGEMENT (Structured) Qualification code: MTCUS0

REMARKS

Please note: This programme will be offered only if there is a sufficient number of students.

- a. Admission requirement(s): A Baccalaureus Technologiae: Construction Management or an NQF level 7 bachelor's or honours degree in Construction Management obtained from a South African university.
 Holders of any other equivalent South African or foreign qualifications may also be considered. Foreign students will be required to submit an evaluation by the South African Qualifications Authority (SAQA) of their qualifications with their application forms for admission. The Faculty reserves the right to assess these qualifications and the applicant's suitability for admission to the programme.
 b. Selection criteria: All applications are subject to selection.
 - Duration: A minimum of one year and a maximum of three years.
 - d. Presentation and campus: Pretoria Campus (day classes).
 - Subject credits: Subject credits are shown in brackets after each subject.

FIRST OR SECOND SEMESTER

C.

е.

CODE	SUBJECT	CREDIT
CEC501T	Construction Economics V	(0,100)
CMN511T	Construction Management V	(0,200)
CRU501T	Research Report: Construction Management V	(0,500)
CRU501R	Research Report: Construction Management V (re-registration)	(0,000)
DLM501T	Development Management V	(0,100)
RMD101H	Research Methodology	(0,100)
TOTAL CR	EDITS FOR THE QUALIFICATION:	1,000

2.2.2 MAGISTER TECHNOLOGIAE: CONSTRUCTION MANAGEMENT Qualification code: MTCU95

REMARKS

a.	Admission requirement(s):	A Baccalaureus Technologiae: Construction Management or an equivalent qualification.
		In addition, the student should successfully complete Research Methodology in the first year of study if it was not taken for a previous qualification. Students who have not passed Research Methodology should make arrangements for the attendance of and payment for this subject with Mrs K de Villiers (Building 3-405).
b.	Selection criteria:	All applications are subject to selection.
c.	Duration:	A minimum of one year and a maximum of three years.
d.	Presentation and campus:	Pretoria Campus (research).

e. Dissertation: This instructional programme comprises a research project with a dissertation. In the dissertation, the student should prove that he or she understands a particular problem in the industry in which he or she has completed research, is able to analyse it and set it out logically to arrive at logical conclusions or a diagnosis, and to make proposals for solutions to the problem or for the elimination of the problem. The dissertation should comply with the usual general technical requirements and rules regarding scope, quality and layout.

CREDIT

f. Subject credits: Subject credits are shown in brackets after each subject.

CODE SUBJECT

CMN510T	Dissertation: Construction	(1,000)
CMN510R	Management Dissertation: Construction Management (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

2.2.3 MAGISTER TECHNOLOGIAE: QUANTITY SURVEYING (Structured) Qualification code: MTQSS0

REMARKS

Please note: This programme will be offered only if there is a sufficient number of students.

a.	Admi	ssion requirement(s):	A Baccalaurer level 7 bachel obtained from	us Technologiae: Quantity Surveying or's or honours degree in Quantity S a South African university.	g or an NQF Surveying
			Holders of any qualifications be required to Qualifications application for to assess thes admission to t	y other equivalent South African or f may also be considered. Foreign st submit an evaluation by the South Authority (SAQA) of their qualificati ms for admission. The Faculty rese se qualifications and the applicant's he programme.	oreign udents will African ons with their rves the right suitability for
b.	Selec	tion criteria:	All application	s are subject to selection.	
C.	Durat	ion:	A minimum of	one year and a maximum of three	years.
d.	. Presentation and campus:		Pretoria Campus (day classes).		
e.	Subje	ect credits:	Subject credit	s are shown in brackets after each s	subject.
FIRS	T OR	SECOND SEMESTER			
сор	Е	SUBJECT		CREDIT	
CEC DLM QSU QSV QSV	501T 501T 501T 501T 501T 501R	Construction Economi Development Manage Quantity Surveying V Research Report: Qua Surveying V Research Report: Qua Surveying V (re-regist Research Methodolog	cs V ment V antity ration) v	(0,100) (0,100) (0,200) (0,500) (0,000) (0,100)	
TOT	AL CR	EDITS FOR THE QUA	, LIFICATION:	1.000	

Faculty of Engineering and the Built Environment

2.2.4 MAGISTER TECHNOLOGIAE: QUANTITY SURVEYING Qualification code: MTQS95

REMARKS

Admission requirement(s): A Baccalaureus Technologiae: Quantity Surveying or an а. equivalent qualification. In addition, the student should successfully complete Research Methodology in the first year of study if it was not taken for a previous qualification. Students who have not passed Research Methodology should make arrangements for the attendance of and payment for this subject with Mrs K de Villiers (Building 3-405). Selection criteria: All applications are subject to selection. h c Duration: A minimum of one year and a maximum of three years. Ь Presentation and campus: Pretoria Campus (research). e. Dissertation: This programme comprises a research project with a dissertation. In the dissertation, the student should prove that he or she understands a particular problem in the industry in which he or she has done research, is able to analyse it and set it out logically to arrive at logical conclusions or a diagnosis, and to make proposals for solutions to the problem or for the elimination of the problem. The dissertation should comply with the usual general technical requirements and rules regarding scope, quality and layout. f. Subject credits: Subject credits are shown in brackets after each subject. CODE SUBJECT CREDIT QSU500T Dissertation: Quantity Surveying (1.000)QSU500R Dissertation: Quantity Surveying (0.000)(re-registration) TOTAL CREDITS FOR THE QUALIFICATION: 1.000

2.2.5 SUBJECT INFORMATION

Syllabus content subject to change to accommodate industry changes.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: CONSTRUCTION ECONOMICS V CEC501T 1 X 4-HOUR PAPER (OPEN BOOK) ± 180 hours

South African property law and taxation, property and facilities management, asset management, investment in capital projects, financing decisions, dividend decisions, property valuation and development.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS:

CONSTRUCTION MANAGEMENT V CMN511T 1 X 4-HOUR PAPER (OPEN BOOK) ± 180 hours

Introduction to human resource management strategy, environmental issues, affirmative action, human resource development, productivity, creating a strategic organisation, creating a learning organisation. Human resource development and training, strategic industrial relations management, key success factors and measures, implementation of strategies, performance management.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS:

DEVELOPMENT MANAGEMENT V DLM501T 1 X 4-HOUR PAPER (OPEN BOOK) ± 180 hours

External environment and stakeholders, the logistics concept, strategic approaches to logistics, operations and material flow, elements of a supply chain, in-bound logistics, production requirements through purchasing, the production system, design and productivity, production planning and control, the impact of inventory on production, inventory management, out-bound logistics, operations management in service industries.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: RESEARCH METHODOLOGY RMD101H CONTINUOUS ASSESSMENT Not available

What does research entail? Research tools, objectives, characteristics, types, the research process, variables and constructs. Research planning and design: planning the project, stating the problem, hypothesis formulation, research proposal, measurement and assessment. Validity and reliability. Data collection and statistical analysis. The research report, hypothesis testing, report formats.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: QUANTITY SURVEYING V QSU501T 2 X 4-HOUR PAPER (PRESCRIBED OPEN BOOK) ± 180 hours

Objectives of project management, planning projects, estimating for control, project organisation, project control. Project management services in the context of a professional quantity surveying practice, construction management, project administration, project monitoring and quality inspection of construction works.

2.3 DEPARTMENT OF CHEMICAL AND METALLURGICAL ENGINEERING

2.3.1 MAGISTER TECHNOLOGIAE: ENGINEERING: CHEMICAL Qualification code: MTCE95

REMARKS

a. Admission requirement(s):

A Baccalaureus Technologiae: Engineering: Chemical degree or an NQF level 7 bachelor's or honours degree in Chemical Engineering obtained from a South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered. Foreign students will be required to submit an evaluation by the South African Qualifications Authority (SAQA) of their qualifications with their application forms for admission. The Faculty reserves the right to assess these qualifications and the applicant's suitability for admission to the programme.

Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

- b. Selection criteria: A personal interview with a departmental selection panel.
- c. Duration: A minimum of one year and a maximum of three years.
- d. Presentation and campus: Pretoria Campus (research).

e.

f.

g.

Subject credits:

- Structure: The qualification consists of a research project that must be recorded in the form of a dissertation.
- Re-registration: Students must re-register for this qualification every year.
 - Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
ECH500T	Dissertation: Engineering: Chemical	(1,000)
ECH500R	Dissertation: Engineering: Chemical (re-registration)	(0,000)
TOTAL CREDITS FOR THE QUALIFICATION:		

2.3.2 DOCTOR TECHNOLOGIAE: ENGINEERING: CHEMICAL Qualification code: DTCE96

REN	MARKS	
a.	Admission requirement(s):	A Magister Technologiae: Engineering: Chemical or an NQF level 8 master's degree in Chemical Engineering obtained from a South African university.
		Holders of any other equivalent South African or foreign qualifications may also be considered. Foreign students will be required to submit an evaluation by the South African Qualifications Authority (SAQA) of their qualifications with their application forms for admission. The Faculty reserves the right to assess these qualifications and the applicant's suitability for admission to the programme.
b.	Selection criteria:	A personal interview with a departmental selection panel.
C.	Duration:	A minimum of two years and a maximum of five years.
d.	Presentation and campus:	Pretoria Campus (research).
e.	Structure:	The qualification consists of a research project that must be recorded in the form of a thesis.
f.	Re-registration:	Students must re-register for this qualification every year.
g.	Subject credits:	Subject credits are shown in brackets after each subject.

CODE SUBJECT CREDIT

ECH700T Thesis: Engineering: Chemical (2,000) ECH700R Thesis: Engineering: Chemical (0,000) (re-registration)

TOTAL CREDITS FOR THE QUALIFICATION: 2,000

2.3.3 MAGISTER TECHNOLOGIAE: ENGINEERING: METALLURGY Qualification code: MTMY96

REMARKS

a.	Admi	ssion requirement(s):	A Baccalaure or an NQF lev obtained from	us Technologiae: Engineering: Metallurgy degree /el 7 bachelor's or honours degree in Metallurgy a South African university.
			Holders of an qualifications be required to Qualifications application fo to assess the admission to	y other equivalent South African or foreign may also be considered. Foreign students will o submit an evaluation by the South African Authority (SAQA) of their qualifications with their rms for admission. The Faculty reserves the right se qualifications and the applicant's suitability for the programme.
			Depending or the completio	n the nature of such an equivalent qualification, n of certain additional subjects may be required.
b.	Selec	tion criteria:	A personal inf	terview with a departmental selection panel.
C.	Durat	ion:	A minimum of	fone year and a maximum of three years.
d.	Prese	entation and campus:	Pretoria Cam	pus (research).
e.	Struc	ture:	The qualificat recorded in the	ion consists of a research project that must be be form of a dissertation.
f.	Re-re	gistration:	Students mus	at re-register for this qualification every year.
g.	Subje	ect credits:	Subject credit	s are shown in brackets after each subject.
COE	ЭE	SUBJECT		CREDIT
MEY	′500T	Dissertation: Engineer	ring:	(1,000)
MEY	′500R	Dissertation: Engineer Metallurgy (re-registra	ring: ition)	(0,000)
тот		EDITS FOR THE QUA	LIFICATION:	1.000

2.3.4 DOCTOR TECHNOLOGIAE: ENGINEERING: METALLURGY Qualification code: DTMY96

REMARKS

 Admission requirement(s): A Magister Technologiae: Engineering: Metallurgy or an NQF level 8 master's degree in Metallurgy obtained from a South African university. Holders of any other equivalent South African or foreign qualifications may also be considered. Foreign students will be required to submit an evaluation by the South African Qualifications Authority (SAQA) of their qualifications with their application forms for admission. The Faculty reserves the right to assess these qualifications and the applicant's suitability for admission to the programme.

The qualification consists of a research project that must be

- b. Selection criteria: A personal interview with a departmental selection panel.
- c. Duration: A minimum of two years and a maximum of five years.
- d. Presentation and campus: Pretoria Campus (research).
- e. Structure:
- f. Re-registration: Students must re-register for this qualification every year.

recorded in the form of a thesis.

g. Subject credits: Subject credits are shown in brackets after each subject.

CODE SUBJECT

CREDIT

MEY700T Thesis: Engineering: Metallurgy (2,000) MEY700R Thesis: Engineering: Metallurgy (0,000) (re-registration)

TOTAL CREDITS FOR THE QUALIFICATION: 2,000

2.4 DEPARTMENT OF CIVIL ENGINEERING

2.4.1 MAGISTER TECHNOLOGIAE: ENGINEERING: CIVIL Qualification code: MTCI95

REMARKS

a.	Admission requirement(s):	A Baccalaureus Technologiae: Engineering: Civil degree or an NQF level 7 bachelor's or honours degree in Civil Engineering obtained from a South African university with an aggregate of 60% for all subjects. Candidates with less than 60% but more than 55% should have completed a minimum of one year of industrial experience in the desired field of specialisation.
		Holders of any other equivalent South African or foreign qualifications may also be considered. Foreign students will be required to submit an evaluation by the South African Qualifications Authority (SAQA) of their qualifications with their application forms for admission. The Faculty reserves the right to assess these qualifications and the applicant's suitability for admission to the programme.
		Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.
b.	Selection criteria:	All applications are subject to selection.
C.	Duration:	A minimum of one year and a maximum of three years.
d.	Presentation and campus:	Pretoria Campus (research).

- e. Content: This programme comprises a research project with a dissertation, subject to the student having already passed Research Methodology. In the dissertation, the student should prove that he or she understands a particular problem in the industry to which his or her research applies and is able to analyse it, set it out logically, arrive at logical conclusions or a diagnosis and make proposals for improvements or the elimination of the problem. The dissertation should comply with the usual general technical requirements and rules regarding scope, quality and layout.
- f. Other requirement(s): Candidates who apply for admission to this qualification must provide the Head of the Department with a protocol (research proposal) for discussion.
- g. Subject credits: Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
CVE500T CVE500R	Dissertation: Engineering: Civil Dissertation: Engineering: Civil (re-registration)	(1,000) (0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

2.4.2 DOCTOR TECHNOLOGIAE: ENGINEERING: CIVIL Qualification code: DTCI96

REMARKS

a.	Admission requirement(s):	A Magister Technologiae: Engineering: Civil or an NQF level 8 master's degree in Civil Engineering obtained from a South African university. Holders of any other equivalent South African or foreign qualifications may also be considered. Foreign students will be required to submit an evaluation by the South African Qualifications Authority (SAQA) of their qualifications with their application forms for admission. The Faculty reserves the right to assess these qualifications and the applicant's suitability for admission to the programme
D.	Selection criteria:	All applications are subject to selection.
C.	Duration:	A minimum of two years and a maximum of five years.
d.	Presentation and campus:	Pretoria Campus (research).
e.	Content:	This programme comprises an advanced research project with a thesis. The thesis should give proof of the student's original creative thinking and problem-solving abilities, and
		a particular problem in the industry to which the research applies. The dissertation should comply with the usual general technical requirements and rules regarding scope, quality and layout.
f.	Other requirement(s):	Candidates who apply for admission to this qualification, must provide the Head of the Department with a protocol (research proposal) for discussion.

2.5 DEPARTMENT OF ELECTRICAL ENGINEERING

2.5.1 MAGISTER TECHNOLOGIAE: ENGINEERING: ELECTRICAL (Structured) Qualification code: MTEES0

REMARKS

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a. Admission requirement(s):

A Baccalaureus Technologiae: Engineering: Electrical with an aggregate of 60% for the final year of study with Engineering Mathematics IV and at least one of the following subjects: Signal Processing IV, and/or Control Systems IV, or an NQF level 7 bachelor's or honours degree in Electrical Engineering with an aggregate of 60% for the final year of study obtained from a South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered. Foreign students will be required to submit an evaluation by the South African Qualifications Authority (SAQA) of their qualifications with their application forms for admission. The Faculty reserves the right to assess these qualifications and the applicant's suitability for admission to the programme.

Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

Recommended subject(s): Software Engineering IV and at least two specialisation subjects.

Selection criteria: Admission is competitive and depends on available space. Prospective students may be required to pass an admission test.

- Minimum duration: A minimum of one year and a maximum of three years.
 - Presentation and campus: Pretoria Campus (block-based classes).

f. Subject groups (fields of specialisation): Students will be given a choice of one of the following subject groups:

- Control and Image Processing
- Power Engineering
- Telecommunication Technology

g. Subject credits:

Articulation to MSc

qualifications:

Articulation to the MSc programme offered in partnership with ESIEE (France) and Managed by F'SATIE at the Tshwane University of Technology may be done. Please contact the Head of the Department for further details.

Subject credits are shown in brackets after each subject.

Key to asterisks:

Information does not correspond to information in Report 151. (Deviations approved by the Senate in March 2009.)

SUBJECT GROUP 1: CONTROL AND IMAGE PROCESSING

FIRST OR SECOND SEMESTER

CODE	SUBJECT	CREDIT
CSY501T EAN501T	Control Systems V Engineering Analysis V	(0,100) (0,100)
MII501T	Machine Intelligence V	(0,100)
RCS500T	Research Report: Engineering: Electrical: Control Systems V (year subject)	(0,500)
RCS500R	Research Report: Engineering: Electrical: Control Systems V (re-registration)	(0,000)
RMD501C SII501T	Research Methodology Scientific Computing V	(0,050) (0,050)

plus one of the following subjects:

EDD501T	Embedded Systems V	(0,100)
IAS501T	Image Analysis Systems V	(0,100)
RTS501T	Real-Time Systems V	(0,100)
SEI501T	Special Topics I*	(0,100)

TOTAL CREDITS FOR SUBJECT GROUP 1: 1,000

SUBJECT GROUP 2: POWER ENGINEERING

FIRST OR SECOND SEMESTER

CVS501T	Conversion Systems V	(0,100)
EAN501T	Engineering Analysis V	(0,100)
PWS501T	Power Systems V	(0,100)
RMD501C	Research Methodology	(0,050)
RPN500T	Research Report: Engineering:	(0,500)
	Electrical: Power Engineering V	(year
	subject)	
RPM500R	Research Report: Engineering:	(0,000)
	Electrical: Power Engineering V	
	(re-registration)	
SII501T	Scientific Computing V	(0,050)

plus one of the following subjects:

CSY501T	Control Systems V	(0,100
EEM501T	Electrical Machines and Drives V	(0,100)
EGS501T	Energy Systems and Technology V	(0,100
PWN501T	Power Analysis V	(0,100
SEI501T	Special Topics I*	(0,100

TOTAL CREDITS FOR SUBJECT GROUP 2: 1,000

SUBJECT GROUP 3: TELECOMMUNICATION TECHNOLOGY

FIRST OR SECOND SEMESTER

DCO501T	Digital Communications V	(0,100
EAN501T	Engineering Analysis V	(0,100
RET500T	Research Report: Engineering:	(0,500
	Electrical: Telecommunication	
	Technology V (year subject)	

RET500R	Research Report: Engineering: Electrical: Telecommunication Technology V (re-registration)	(0,000)
RMD501C	Research Methodology	(0,050)
SII501T	Scientific Computing V	(0,050)
TMM501T	Telecommunications V	(0,100)

plus one of the following subjects:

EDD501T	Embedded Systems V	(0,100)
HFS501T	High-Frequency Systems V	(0,100)
RTS501T	Real-Time Systems V	(0,100)
SEI501T	Special Topics I*	(0,100)

TOTAL CREDITS FOR SUBJECT GROUP 3: 1,000

2.5.2 MAGISTER TECHNOLOGIAE: ENGINEERING: ELECTRICAL Qualification code: MTEE95

REMARKS			
a.	Admission requirement(s):	A Baccalaureus Technologiae: Engineering: Electrical or an NQF level 7 bachelor's or honours degree in Electrical Engineering obtained from a South African university.	
		Holders of any other equivalent South African or foreign qualifications may also be considered. Foreign students will be required to submit an evaluation by the South African Qualifications Authority (SAQA) of their qualifications with their application forms for admission. The Faculty reserves the right to assess these qualifications and the applicant's suitability for admission to the programme.	
		Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.	
b.	Selection criteria:	All applications are subject to selection.	
С.	Duration:	A minimum of one year and a maximum of three years.	
d.	Presentation and campus:	Pretoria Campus (research).	
e.	Dissertation:	A student who applies for the Magister Technologiae: Engineering: Electrical has to submit a dissertation with a limited scope on an approved subject.	
		Research will be done in the following niche areas in Electrical Engineering: • Clinical Engineering • Control Engineering • Electronics	
f.	Subject credits:	 Power Engineering Telecommunication Engineering Subject credits are shown in brackets after each subject. 	

CODE	SUBJECT	CREDIT

DEE500T	Dissertation: Engineering:	(1,000)
	Electrical	
DEE500R	Dissertation: Engineering:	(0,000)
	Electrical (re-registration)	

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

2.5.3 DOCTOR TECHNOLOGIAE: ENGINEERING: ELECTRICAL Qualification code: DTEE96

REMARKS

a.	Admission requirement(s):	A Magister Technologiae: Engineering: Electrical or an NQF level 8 master's degree in Electrical Engineering obtained from a South African university.
		Holders of any other equivalent South African or foreign qualifications may also be considered. Foreign students will be required to submit an evaluation by the South African Qualifications Authority (SAQA) of their qualifications with their application forms for admission. The Faculty reserves the right to assess these qualifications and the applicant's suitability for admission to the programme.
b.	Selection criteria:	All applications are subject to selection.
C.	Duration:	A minimum of two years and a maximum of five years.
d.	Presentation and campus:	Pretoria Campus (research).
e.	Thesis:	The Doctorate in Technology: Engineering: Electrical will be conferred on the basis of a thesis on an approved topic.
		Research will be done in the following niche areas in Electrical Engineering: Clinical Engineering Control Engineering Electronics
		Power Engineering Telecommunication Engineering
f	Subject credits:	Subject credits are shown in brackets after each subject
coi		CREDIT
	0000000	
DEE DEE	700T Thesis: Engineering: 700R Thesis: Engineering: (re-registration)	Electrical (2,000) Electrical (0,000)
тот	AL CREDITS FOR THE QUA	ALIFICATION: 2,000

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2.5.4 MSc (ELECTRONIC ENGINEERING) Qualification code: PGEE04

REMARKS

Please note: This qualification is offered in partnership with the ESIEE (France) and is managed by F'SATIE at the Tshwane University of Technology. The degree is conferred by the ESIEE (France). The rules of the ESIEE thus apply to this qualification. Students are required to accumulate 90 ECTS (European Credit Transfer System) credits. Thirty ECTS credits are awarded for a research Magister Technologiae: Engineering: Electrical, which the student has to complete before the MSc can be conferred.

a. Admission requirement(s):

A Baccalaureus Technologiae: Engineering: Electrical with an aggregate of 60% for the final year of study with Engineering Mathematics IV and at least two of the following subjects: Signal Processing IV, Control Systems IV, Digital Control Systems IV and Digital Signal Processing IV, or an NQF level 7 bachelor's or honours degree in Electrical Engineering with a aggregate of 60% for the final year of study obtained from a South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered. Foreign students will be required to submit an evaluation by the South African Qualifications Authority (SAQA) of their qualifications with their application forms for admission. The Department of Electrical Engineering and the Faculty of Engineering and the Built Environment reserve the right to assess these qualifications and the applicant's suitability for admission to the programme.

- b. Recommended subject(s): Software Engineering IV and at least two specialisation subjects.
- c. Selection criteria: Admission is competitive and is dependent on available space. Prospective students may be requested to pass an admission test.
- d. Minimum duration: Two years.
- e. Presentation and campus: Pretoria Campus.
 - Subject credits: Subject credits are shown in brackets after each subject.

ATTENDANCE

CODE	SUBJECT	ECTS CREDIT
CODE ESI5001 ESI5002 ESI5003 ESI5004 ESI5006 ESI5007 ESI5008 ESI5009 ESI5010 ESI5011	SUBJECT Digital Communication V Digital Electronics V Digital Control V Embedded Systems V High-Frequency Systems V Management V French Language Skills Telecommunication Networks V RF Design V Advanced Control Systems V Advanced Embedded Systems V Image Analysis V	ECTS CREDIT (7,5) (7,5) (7,5) (7,5) (7,5) (7,5) (7,5) (7,5) (7,5) (7,5) (7,5) (7,5)
ESI5013	Machine Intelligence V	(7,5)

ESI5014	Real-Time Signal Processing V	(7,5)
ESI5021	Signal Theory V	(7,5)
ESI5022	Software Engineering V	(7,5)
ESI5023	Special Topics I	(7,5)
ESI5024	Special Topics II	(7,5)
ESI5025	Special Topics III	(7,5)
ESI5026	Scientific Computing V	(7,5)

2.5.5 MSc (POWER ENGINEERING) Qualification code: PGPW07

REMARKS

Please note: This qualification is offered in partnership with the ESIEE (France) and is managed by F'SATIE at the Tshwane University of Technology. The degree is conferred by the ESIEE (France). The rules of the ESIEE thus apply to this qualification. Students are required to accumulate 90 ECTS (European Credit Transfer System) credits. Thirty ECTS credits are awarded for a research Magister Technologiae: Engineering: Electrical, which the student has to complete before the MSc can be conferred.

 Holders of any other equivalent South African or foreign qualifications may also be considered. Foreign students will be required to submit an evaluation by the South African Qualifications Authority (SAQA) of their qualifications with their application forms for admission. The Department of Electrical Engineering and the Faculty of Engineering and the Built Environment reserve the right to assess these qualifications and the applicant's suitability for admission to the programme. b. Recommended subject(s): Software Engineering IV and at least two specialisation subjects. c. Selection criteria: Admission is competitive and depends on available space. Prospective students may be requested to pass an admission test. d. Minimum duration: Two years. e. Presentation and campus: Pretoria Campus. f. Subject credits: Subject credits are shown in brackets after each subject. 	a.	Admission requirement(s):	A Baccalaureus Technologiae: Engineering: Electrical with an aggregate of 60% for the final year of study with Engineering Mathematics IV and at least two of the following subjects: Signal Processing IV, Control Systems IV, Digital Control Systems IV and Digital Signal Processing IV, or an NQF level 7 bachelor's or honours degree in Electrical Engineering with an aggregate of 60% for the final year of study obtained from a South African university.
 b. Recommended subject(s): Software Engineering IV and at least two specialisation subjects. c. Selection criteria: Admission is competitive and depends on available space. Prospective students may be requested to pass an admission test. d. Minimum duration: Two years. e. Presentation and campus: Pretoria Campus. f. Subject credits: Subject credits are shown in brackets after each subject. 			Holders of any other equivalent South African or foreign qualifications may also be considered. Foreign students will be required to submit an evaluation by the South African Qualifications Authority (SAQA) of their qualifications with their application forms for admission. The Department of Electrical Engineering and the Faculty of Engineering and the Built Environment reserve the right to assess these qualifications and the applicant's suitability for admission to the programme.
 c. Selection criteria: Admission is competitive and depends on available space. Prospective students may be requested to pass an admission test. d. Minimum duration: Two years. e. Presentation and campus: Pretoria Campus. f. Subject credits: Subject credits are shown in brackets after each subject. 	b.	Recommended subject(s):	Software Engineering IV and at least two specialisation subjects.
d. Minimum duration: Two years. e. Presentation and campus: Pretoria Campus. f. Subject credits: Subject credits are shown in brackets after each subject.	C.	Selection criteria:	Admission is competitive and depends on available space. Prospective students may be requested to pass an admission test.
e. Presentation and campus: Pretoria Campus.f. Subject credits: Subject credits are shown in brackets after each subject.	d.	Minimum duration:	Two years.
f. Subject credits: Subject credits are shown in brackets after each subject.	e.	Presentation and campus:	Pretoria Campus.
	f.	Subject credits:	Subject credits are shown in brackets after each subject.

ATTENDANCE

CODE		SUBJECT	ECTS CREDIT
ESI5003	Digital Control V	(7,5)	
ESI5004	Embedded Systems V	(7,5)	
ESI5006	Management V	(7,5)	
ESI5007	French Language Skills	not applicable	
ESI5021	Signal Theory V	(7,5)	
ESI5023	Special Topics I	(7,5)	
ESI5024	Special Topics I	(7,5)	
ESI5025	Special Topics III	(7,5)	
ESI5026	Scientific Computing V	(7,5)	
ESI5027	Conversion Systems V	(7,5)	

2.5.6 SUBJECT INFORMATION

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: ADVANCED CONTROL SYSTEMS V ESI5010 CONTINUOUS ASSESSMENT ± 90 hours

A selection of advanced control system topics, such as fuzzy control, optimal and multivariable control, robust and non-linear control.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: ADVANCED EMBEDDED SYSTEMS V ESI5011 CONTINUOUS ASSESSMENT ± 90 hours

A selection of advanced embedded system topics, such as multi and co-processor design, realtime and high-speed design.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: CONTROL SYSTEMS V CSY501T CONTINUOUS ASSESSMENT ± 90 hours

System modelling, discrete-time analysis and digital controller design.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: CONVERSION SYSTEMS V CVS501T, ESI5027 CONTINUOUS ASSESSMENT ± 90 hours

Converter theory, electromechanical systems, electric materials, EM field calculation, distribution (non-linear and transient problems, numerical methods, applications), transmission, planning and design.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: DIGITAL COMMUNICATION V ESI5001 CONTINUOUS ASSESSMENT ± 90 hours

Fourier analysis and filtering, probability and stochastic processes, information theory and entropy, advanced modulation techniques, block and convolutional coding, performance analysis, networking fundamentals, system modelling.

DIGITAL COMMUNICATIONS V DCO501T CONTINUOUS ASSESSMENT ± 90 hours

Spectral analysis of common electronic signals: Fourier series and Fourier transform application. Source coding. Channel effect on symbol transmission and inter-symbol interference (ISI) control. Bandpass and multi-level digital modulation: generation, detection, probability of error, bandwidth efficiency, and applications. Channel coding and coding for reliable transmission over the channel.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: DIGITAL CONTROL V ESI5003 CONTINUOUS ASSESSMENT ± 90 hours

System modelling, discrete-time analysis and digital controller design.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: Analysis of advanced digital e DIGITAL ELECTRONICS V ESI5002 CONTINUOUS ASSESSMENT ± 90 hours

Analysis of advanced digital electronic circuits, best practice design and prototyping principles.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: ELECTRICAL MACHINES AND DRIVES V EEM501T CONTINUOUS ASSESSMENT ± 90 hours

Electrical machines modelling and analysis, dynamic and transient analysis of electrical machines, design of electrical machines, vector control of asynchronous machines, electronically commutated machines, special electrical machines (switch reluctance motors, permanent magnet machines, electrical actuators, etc.).

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: EMBEDDED SYSTEMS V EDD501T, ESI5004 CONTINUOUS ASSESSMENT ± 90 hours

VHDL and FPGA design and real-time DSP implementation.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: ENERGY SYSTEMS AND TECHNOLOGY V EGS501T CONTINUOUS ASSESSMENT ± 90 hours

Modelling of alternative energy sources and corresponding technological options.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: ENGINEERING ANALYSIS V EAN501T CONTINUOUS ASSESSMENT ± 90 hours

Signal spaces, mappings, deterministic signal theory, stochastic signal theory.

 SUBJECT NAME:
 FR

 SUBJECT CODE:
 ES

 EVALUATION METHOD:
 CC

 TOTAL TUITION TIME:
 ± 8

 OVERVIEW OF SYLLABUS:
 Conversational French for beginners.

FRENCH LANGUAGE SKILLS ESI5007 CONTINUOUS ASSESSMENT ± 80 hours

HIGH-FREQUENCY SYSTEMS V ESI5005, HFS501T CONTINUOUS ASSESSMENT ± 90 hours

HF system fundamentals and analysis, measurement principles and propagation models.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: IMAGE ANALYSIS V ESI5012 CONTINUOUS ASSESSMENT ± 90 hours

Image formation, frequency domain analysis, neighbourhood processing, texture, segmentation, shape, feature extraction, transformation and classification.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: IMAGE ANALYSIS SYSTEMS V IAS501T CONTINUOUS ASSESSMENT Not available

Image formation, frequency domain analysis, neighbourhood processing, texture, segmentation, shape, feature extraction, transformation and classification.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: MACHINE INTELLIGENCE V ESI5013, MII501T CONTINUOUS ASSESSMENT ± 90 hours

Supervised learning (Bayesian classification, linear classifiers, non-linear classifiers, including neural networks and support vector machines), unsupervised learning and special topics, such as genetic algorithms and swarms and ants optimisation.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: MANAGEMENT V ESI5006 CONTINUOUS ASSESSMENT ± 90 hours

Project management, marketing, business strategies, financial planning, new product development and engineering research methodology.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: Power flow analysis, stability a POWER ANALYSIS V PWN501T CONTINUOUS ASSESSMENT ± 90 hours

Power flow analysis, stability analysis of power systems, control of power systems.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: POWER SYSTEMS V PWS501T CONTINUOUS ASSESSMENT ± 90 hours

Generation theory, transmission and distribution theory, interconnection of power systems.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: REAL-TIME SYSTEMS V RTS501T CONTINUOUS ASSESSMENT ± 90 hours

Advanced signal processing concepts (adaptive filtering, multirate processing and wavelets, filter banks, etc.) with the emphasis on real-time DSP implementation.

REAL-TIME SIGNAL PROCESSING V ESI5014 CONTINUOUS ASSESSMENT ± 90 hours

Advanced signal processing concepts (adaptive filtering, multirate processing and wavelets, filter banks etc.) with the emphasis on real-time DSP implementation.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: RESEARCH METHODOLOGY RMD501C CONTINUOUS ASSESSMENT ± 45 hours

Research methods and approaches, information-gathering approaches, writing research reports.

 SUBJECT NAME:
 RF DESIGN

 SUBJECT CODE:
 ESI5009

 EVALUATION METHOD:
 CONTINUC

 TOTAL TUITION TIME:
 ± 90 hours

 OVERVIEW OF SYLLABUS:
 RF component design principles and analysis.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: Scientific computing fundament RF DESIGN V ESI5009 CONTINUOUS ASSESSMENT ± 90 hours

SCIENTIFIC COMPUTING V ESI5026, SII501T CONTINUOUS ASSESSMENT Not available

Scientific computing fundamentals, simulation, C++, Matlab, Simulink and Scilab.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: SIGNAL THEORY V ESI5021 CONTINUOUS ASSESSMENT ± 90 hours

Signal spaces, mappings, deterministic signal theory and stochastic signal theory.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: Software engineering fundam SOFTWARE ENGINEERING V ESI5022 CONTINUOUS ASSESSMENT ± 90 hours

Software engineering fundamentals, UML design principles and operating system basics.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: Special topics based on a sele SPECIAL TOPICS I ESI5023, SEI501T CONTINUOUS ASSESSMENT ± 90 hours

Special topics based on a selection of seminal research papers from a chosen field.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: SPECIAL TOPICS II ESI5024 CONTINUOUS ASSESSMENT ± 90 hours

Special topics based on a selection of seminal research papers from a chosen field.

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SPECIAL TOPICS III ESI5025 CONTINUOUS ASSESSMENT ± 90 hours

Special topics based on a selection of seminal research papers from a chosen field.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: Fixed networks. mobile netwo TELECOMMUNICATION NETWORKS V ESI5008 CONTINUOUS ASSESSMENT ± 90 hours

Fixed networks, mobile networks, RF and optical networks.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: Eived networks mobile network TELECOMMUNICATIONS V TMM501T CONTINUOUS ASSESSMENT ± 90 hours

Fixed networks, mobile networks, RF and optical networks.

2.6 DEPARTMENT OF INDUSTRIAL ENGINEERING

2.6.1 MAGISTER TECHNOLOGIAE: ENGINEERING: INDUSTRIAL Qualification code: MTEI95

a.	Admission requirement(s):	A Baccalaureus Technologiae: Engineering: Industrial or an NQF level 7 bachelor's or honours degree in Industrial Engineering obtained from a South African university. Mathematics II and Research Methodology are prerequisites.
		Holders of any other equivalent South African or foreign qualifications may also be considered. Foreign students will be required to submit an evaluation by the South African Qualifications Authority (SAQA) of their qualifications with their application forms for admission. The Faculty reserves the right to assess these qualifications and the applicant's suitability for admission to the programme.
		Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.
b.	Selection criteria:	All applications are subject to selection.
C.	Duration:	A minimum of one year and a maximum of three years.
d.	Presentation and campus:	Pretoria Campus (research).
e.	Dissertation:	In the dissertation, the student must prove that he or she understands a particular problem in the industry in which he or she has done research, is able to analyse and set it out logically, arrive at logical conclusions or a diagnosis, and is then able to make proposals for the solution or the elimination of the problem. The dissertation must comply with the usual general technical requirements and rules regarding scope, quality and layout. The chosen research theme must be based on one or more prerequisite Level IV subjects.

f. Subject credits:

Subject credits are shown in brackets after each subject.

CODE SUBJECT CREDIT

INU530TDissertation: Engineering: Industrial (1,000)INU530RDissertation: Engineering: Industrial (0,000)
(re-registration)

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

2.6.2 DOCTOR TECHNOLOGIAE: ENGINEERING: INDUSTRIAL Qualification code: DTEI96

a.	Admission requirement(s):	A Magister Tec level 8 master' from a South A	hnologiae: Engineering: Industrial or an NQF s degree in Industrial Engineering obtained frican university.
		Holders of any qualifications n be required to Qualifications A application forn to assess thes admission to th	other equivalent South African or foreign nay also be considered. Foreign students will submit an evaluation by the South African Authority (SAQA) of their qualifications with their ns for admission. The Faculty reserves the right e qualifications and the applicant's suitability for ne programme.
b.	Selection criteria:	All applications	are subject to selection.
C.	Duration:	A minimum of	two years and a maximum of five years.
d.	Presentation and campus:	Pretoria Camp	us (research).
e.	Thesis:	An advanced r the student mu and problem-s a real contribut the industry to must comply w regarding scop	esearch project with a thesis. In the thesis, ist give proof of original and creative thinking olving. He or she must also be able to make tion to the solving of a particular problem in which his or her research applies. The thesis ith the usual technical requirements and rules ie, quality and layout.
f.	Subject credits:	Subject credits	are shown in brackets after each subject.
COD	E SUBJECT		CREDIT
INU7 INU7	700T Thesis: Engineering: I 700R Thesis: Engineering: I (re-registration)	ndustrial ndustrial	(2,000) (0,000)
TOT	AL CREDITS FOR THE QUA	LIFICATION:	2,000

2.7 DEPARTMENT OF MECHANICAL ENGINEERING

2.7.1 MAGISTER TECHNOLOGIAE: ENGINEERING: MECHANICAL Qualification code: MTME95

REMARKS

e.

Admission requirement(s): a.

A Baccalaureus Technologiae: Engineering: Mechanical or an NQF level 7 bachelor's or honours degree in Mechanical Engineering obtained from a South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered. Foreign students will be required to submit an evaluation by the South African Qualifications Authority (SAQA) of their qualifications with their application forms for admission. The Faculty reserves the right to assess these qualifications and the applicant's suitability for admission to the programme.

Depending on the nature of such an equivalent gualification, the completion of certain additional subjects may be required.

- All applications are subject to selection. h Selection criteria:
- С Duration: A minimum of one year and a maximum of three years.
- Presentation and campus: d. Pretoria Campus (research).

Subject credits: Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
MCC510T	Dissertation: Engineering: Mechanical	(1,000)
MCC510R	Dissertation: Engineering: Mechanical (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 1.000

2.7.2 DOCTOR TECHNOLOGIAE: ENGINEERING: MECHANICAL Qualification code: DTME96

REMARKS A Magister Technologiae: Engineering: Industrial or an NQF а Admission requirement(s): level 8 master's degree in Mechanical Engineering obtained from a South African university. Holders of any other equivalent South African or foreign qualifications may also be considered. Foreign students will be required to submit an evaluation by the South African Qualifications Authority (SAQA) of their qualifications with their application forms for admission. The Faculty reserves the right to assess these qualifications and the applicant's suitability for admission to the programme. Selection criteria: All applications are subject to selection. h 45

- c. Duration: A minimum of two years and a maximum of five years.
- d. Presentation and campus: Pretoria Campus (research).
- e. Subject credits: Subject credits are shown in brackets after each subject.

CODE SUBJECT CREDIT

MCC710T Thesis: Engineering: Mechanical (2,000) MCC710R Thesis: Engineering: Mechanical (0,000) (re-registration)

TOTAL CREDITS FOR THE QUALIFICATION: 2,000

2.7.3 MAGISTER TECHNOLOGIAE: POLYMER TECHNOLOGY Qualification code: MTPY01

Purpose of the qualification:

The purpose of this degree (in Polymer Technology) is to train polymer technologists to be versatile enough to fit-in in the industries (if they want to make their careers in the cooperate world) and to build high level technological capacity to train the youth, if at the end of their studies, they make careers in the academic or research, development and innovation environments.

Admission requirement(s):	A Baccalaureus Technologiae: Polymer Technology or an equivalent qualification.
	Students should preferably have passed the subject, Research Methodology, before registering, but should definitely complete it before their dissertations will be accepted. Students who have not passed Research Methodology should make arrangements with Mrs B van Eeden, tel. 012 841 4926, to pay for and attend classes in this subject.
Selection criteria:	All applications are subject to selection.
Duration:	A minimum of one year and a maximum of three years.
Presentation and campus:	Pretoria Campus (research).
Content:	This programme comprises a research project with a dissertation, provided the student passes Research Methodology first. In the dissertation, the student must prove that he or she understands a particular problem in the industry in which he or she has done research and is able to
	diagnosis, and make proposals for the solution or elimination of the problem. The dissertation should comply with the usual
	general technical requirements and rules relating to scope, quality and layout.
Subject credits:	Subject credits are shown in brackets after each subject.
	Admission requirement(s): Selection criteria: Duration: Presentation and campus: Content: Subject credits:

CODE SUBJECT CREDIT

POY500T	Dissertation: Polymer Technology	(1,000)
POY500R	Dissertation: Polymer Technology	(0,000)
	(re-registration)	

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

2.7.4 DOCTOR TECHNOLOGIAE: POLYMER TECHNOLOGY Qualification code: DTPY01

Purpose of the qualification:

The purpose of this degree (in Polymer Technology) is to train polymer technologists to be versatile enough to fit-in in the industries (if they want to make their careers in the cooperate world) and to build high level technological capacity to train the youth, if at the end of their studies, they make careers in the academic or research, development and innovation environments.

REMARKS

a.	Admis	ssion requirement(s):	A Magister Te equivalent qu	chnologiae: Polymer Technology or an alification.
b.	Selec	ction criteria:	All application	ns are subject to selection.
C.	Durat	lion:	A minimum of	f two years and a maximum of five years.
d.	Prese	entation and campus:	Pretoria Cam	pus (research).
e.	Conte	ent:	This program with a thesis. of original, cru prove that he solution of a p research app general techr quality and la	me comprises an advanced research project In the thesis, the student must provide proof eative thinking and problem-solving skills, and or she can make a real contribution to the particular problem in the industry to which the lies. The thesis should comply with the usual nical requirements and rules relating to scope, yout.
f.	Subje	ect credits:	Subject credit	ts are shown in brackets after each subject.
CO	DE	SUBJECT		CREDIT
PO	Y700T Y700R	Thesis: Polymer Tech Thesis: Polymer Tech (re-registration)	nnology nnology	(2,000) (0,000)
ТОТ	TAL CR	REDITS FOR THE QUA	ALIFICATION:	2,000

Faculty of Engineering and the Built Environment

3. FACULTY OF HUMANITIES

3.1 DEPARMENT OF APPLIED LANGUAGES

3.1.1 MAGISTER TECHNOLOGIAE: LANGUAGE PRACTICE (Field of specialisation: Computer-Assisted Language Teaching) (Structured) Qualification code: MTLPS0

REMARKS

a.	Admission requirement(s):	A Baccalaureus Technologiae: Language Practice, BA (Hons) (Languages), or an equivalent qualification. Candidates should preferably have passed Research Methodology before registration, and if not, should definitely pass that subject before his/her Research Report will be accepted.
b.	Selection criteria:	Departmental selection is required prior to registration. Additional requirements may be set to obtain the required status. Preliminary examinations may be set.
C.	Duration:	A minimum of one year and a maximum of three years.
d.	Presentation and campus:	Soshanguve North Campus (block-based classes).
		Subjects are offered at the Location (Soshanguve North or Pretoria campuses) determined by the Head of the Department.
		A candidate for the Magister Technologiae: Language Practice also has to submit a research report on a language-related topic approved by the Faculty Board on recommendation of the Head of the Department. The method of instruction will be determined by the Head of the Department.
e.	Subject credits:	Subject credits are shown in brackets after each subject.

YEAR SUBJECTS

CODE	SUBJECT	CREDIT
EAS500T	Evaluation and Application of CALT Programmes V	(0,250)
PCN500T	Planning and Production of CALT Programmes V	(0,250)
TPK501B	Research Report: Language Practice V	(0,500)
TPK501R	Research Report: Language Practice V (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

3.1.2 MAGISTER TECHNOLOGIAE: LANGUAGE PRACTICE Qualification code: MTLP96

REMARKS

a. Admission requirement(s): A E (La sho reg be		A Baccalaure (Languages), should prefera registration, a before his/her	us Technologiae: Language Practice, BA (Hons) or an equivalent qualification. Candidates ably have passed Research Methodology before nd if not, should definitely pass that subject Research Report will be accepted.	
b.	Seleo	ction criteria:	Departmental Additional req status. Prelim	selection is required prior to registration. uirements may be set to obtain the required inary examinations may be set.
C.	Dura	tion:	A minimum of	one year and a maximum of three years.
d. Presentation and campus:		Soshanguve	South Campus (research).	
		A candidate for has to submit approved by t Head of the D from the Head	or the Magister Technologiae: Language Practice a dissertation on a language-related topic the Faculty Board on recommendation of the lepartment. More information may be obtained d of the Department.	
e.	Subje	ect credits:	Subject credit	s are shown in brackets after each subject.
CODE SUBJECT			CREDIT	
TPK500T Dissertation: Language Practice TPK500R Dissertation: Language Practice (re-registration)		ge Practice ge Practice	(1,000) (0,000)	
TOTAL CREDITS FOR THE QUALIFICATION:			LIFICATION:	1,000

3.1.3 DOCTOR TECHNOLOGIAE: LANGUAGE PRACTICE Qualification code: DTLP96

a.	Admission requirement(s):	A Magister Technologiae: Language Practice, a Magister Technologiae (Languages) or an equivalent qualification.
b.	Selection criteria:	Departmental selection is required prior to registration. Additional requirements may be set to obtain the required status. Preliminary examinations may be set.
C.	Duration:	A minimum of two years and a maximum of five years.
d.	Presentation and campus:	Soshanguve South Campus (research).
e.	Thesis:	The Doctor Technologiae: Language Practice will be conferred on the basis of a thesis on a language-related topic approved by the Faculty Board on recommendation of the Head of the Department.
f.	Subject credits:	Subject credits are shown in brackets after each subject.

CODE SUBJECT

CREDIT

 TPK700T
 Thesis: Language Practice
 (2,000)

 TPK700R
 Thesis: Language Practice
 (0,000)

 (re-registration)
 (0,000)
 (0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 2,000

3.1.4 SUBJECT INFORMATION

Syllabus content subject to change to accommodate industry changes.

SUBJECT NAME:

SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: EVALUATION AND APPLICATION OF CALT PROGRAMMES V EAS500T CONTINUOUS ASSESSMENT Not available

Evaluation categories and principles, learning principles in CALT, types of programmes (drills, tutorials, simulations, games, hybrids), cooperative learning and CALT strategies, multimedia and hypermedia.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: PLANNING AND PRODUCTION OF CALT PROGRAMMES V PCN500T CONTINUOUS ASSESSMENT Not available

Creating and authoring software packages, the production team and process, task analysis and storyboarding, the management and implementation of CALT, computerised testing and evaluation.

3.2 DEPARTMENT OF EDUCATIONAL STUDIES

3.2.1 MASTERS IN EDUCATION Qualification code: MEED05

REMARKS

Admission requirement(s): A Bachelor of Education (Hons) or an equivalent gualification, а. which should have been passed with an average of 60% to be considered for selection. Each candidate has to submit the following to the Department before 30 September of the applicable year: An updated curriculum vitae, including all contact details A typed motivation for wishing to study for the Masters in Education A short description of the research topic An academic record that includes the marks obtained in the BEd (Hons) examination In addition, he or she should successfully complete Research Methodology in the first year of study if it was not taken for a previous gualification. Workshops will be available and students will be expected to register for non-examination purposes.

- Selection criteria: Candidates who are selected on the strength of their written motivations will be invited for interviews. Candidates who succeed in their interviews will be informed during October to
- c. Applications: Prospective students who wish to enrol for the Masters in Education should submit the required documentation before the end of September of the year preceding their studies.

register.

Any prospective student, who has not completed their previous qualification at TUT, should submit an application form to Student Administration in order to obtain a student number.

Prospective students should understand that neither an average of 60%, nor the submission of the portfolio, automatically gives them admission to the Masters in Education If a prospective student's portfolio is accepted, he or she will be invited to an interview. During this interview, a final decision will be taken about his or her admission.

- d. Duration: A minimum of one year and a maximum of three years.
- e. Presentation and campus: Soshanguve North Campus (research).
- f. Subject credits: Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
EDU530T EDU530R	Dissertation: Education Dissertation: Education (re-registration)	(1,000) (0,000)
TOTAL CREDITS FOR THE QUALIFICATION: 1,000		

3.2.2 MASTERS IN EDUCATION: EDUCATIONAL TECHNOLOGY Qualification code: MEEY05

a. Admission requirement(s):	A Bachelor of Education (Hons) or an equivalent qualification, which should have been passed with an average of 60% for the honours degree to be considered for selection; or an M+4 qualification, which should have been passed with a programme average of 60% to be considered for selection,
	plus an additional professional education qualification of at least 120 credits; or
	a Bachelor of Education with an average of 60% or more. A portfolio of evidence should be submitted and an interview will be conducted.
	 Each candidate has to submit the following to the Department before 30 September: An updated curriculum vitae, including all contact details A typed motivation for wishing to study for the Masters in Education: Educational Technology A short description of the research topic An academic record that includes the marks obtained in the BEd (Hons) examination

			In addition, he or she should successfully complete Research Methodology in the first year of study if it was not taken for a previous qualification. Workshops will be available and students will be expected to register for non-examination purposes.
b.	Seleo	ction criteria:	Candidates who are selected on the strength of their written motivations will be invited for interviews during October. Candidates who succeed in their interviews will be informed in November to register.
C.	Appli	cations:	Prospective students who wish to enrol for the Masters in Education: Educational Technology should submit the required documentation before the end of September of the year preceding their studies.
			Prospective students should understand that a final decision about their admission will only be made during the interview.
d.	Othe	r requirement(s):	Prospective students who wish to register for this programme should have access to the Internet, since interaction, mainly online, between facilitators and students will be encouraged.
e.	Dura	tion:	A minimum of two years and a maximum of three years.
f.	Prese	entation and campus:	Soshanguve North Campus (research).
g.	Subje	ect credits:	Subject credits are shown in brackets after each subject.
COL	DE	SUBJECT	CREDIT
OM` OM`	Y500T Y500R	Dissertation: Education Dissertation: Education (re-registration)	n (1,000) n (0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

3.2.3 DOCTORATE IN EDUCATION Qualification code: DEED05

REMARKS

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a.	Admission requirement(s):	A Masters in Education or an equivalent qualification.
b.	Selection criteria:	 Each candidate has to submit the following to the Department: An updated curriculum vitae, including all contact details A typed motivation for wishing to study for the Doctorate in Education A short description of the research topic An endowing record that include the morths obtained for
		the Masters in Education
		After submitting these documents, prospective students will be requested to prepare a proposal based on a study theme
		to be provided by the Department of Educational Studies. Candidates will be invited for an interview in January, during which they also have to present their proposals to the Departmental Research and Innovation Committee and supervisors.
		Candidates will be informed of the outcome of their application within a week.
Fac	ulty of Humanities	

c. Duration: A minimum of two years and a maximum of five years. d. Presentation and campus: Soshanguve North Campus (research). e. Subject credits: Subject credits are shown in brackets after each subject. CODE SUBJECT CREDIT EDU700T Thesis: Education (2.000)EDU700R Thesis: Education (re-registration) (0.000)

TOTAL CREDITS FOR THE QUALIFICATION: 2,000

3.3 DEPARTMENT OF JOURNALISM

3.3.1 MAGISTER TECHNOLOGIAE: JOURNALISM Qualification code: MTJR96

REMARKS

a. Admission requirement(s):

A National Higher Diploma: Journalism, or a Baccalaureus Technologiae: Journalism, or another appropriate equivalent qualification, as well as proven media experience. In the case of an equivalent qualification, the candidate should possess adequate professional knowledge and skills for admission to the qualification. He or she should also apply for the granting of status.

In addition, he or she should successfully complete Research Methodology in the first year of study if it was not taken for a previous qualification.

- b. Selection criteria: Admission is subject to selection.
- c. Duration: A minimum of one year and a maximum of three years.
- d. Presentation and campus: Soshanguve North Campus (research).
- e. Subject credits: Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
JOU500T JOU500R	Dissertation: Journalism Dissertation: Journalism (re-registration)	(1,000) (0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

REMARKS a. Admission requirement(s): A Magister Technologiae: Journalism or an equivalent qualification and proven media experience. b. Selection oritoria: Admission is subject to selection	3.3.2	DO Qua	CTOR TECHNOLOGIA	AE: JOURNALISM
 Admission requirement(s): A Magister Technologiae: Journalism or an equivalent qualification and proven media experience. Selection oritoria: Admission is subject to selection. 		RE	MARKS	
b Soloction aritoria: Admission is subject to coloction		a.	Admission requirement(s):	A Magister Technologiae: Journalism or an equivalent qualification and proven media experience.
b. Selection chiena. Admission is subject to selection.		b.	Selection criteria:	Admission is subject to selection.

- c. Duration: A minimum of two years and a maximum of five years.
- d. Presentation and campus: Soshanguve North Campus (research).
- e. Subject credits: Subject credits are shown in brackets after each subject.

CODE SUBJECT CREDIT

JOU700TThesis: Journalism(2,000)JOU700RThesis: Journalism (re-registration)(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 2,000

3.4 DEPARTMENT OF PUBLIC MANAGEMENT

3.4.1 MAGISTER TECHNOLOGIAE: PUBLIC MANAGEMENT (Structured) Qualification code: MTPAS2/MTLGS0

a.	Admission requirement(s):	Any Baccalaureus Technologiae or honours degree with a management component, subject to the student being employed in the public sector and having relevant public sector work experience. Students have to pass Research Methodology before they will be admitted to study for the Magister Technologiae: Public Management.
b.	Selection criteria:	Admission is subject to a structured interview with a selection committee. The candidate will be evaluated on the following criteria: Previous academic achievement Record of conduct Work experience Research topic proposal Reasons for continuing with studies
с.	Presentation and campus:	Soshanguve South Campus (block-based classes).
d.	Minimum duration:	A minimum of two years and a maximum of three years.
e.	Subjects:	The six subjects are presented in a block format during the first 18 months.
		Teaching methods are a combination of lectures, case studies, group work, project work and independent research. Sustained participation is required throughout the programme.
		The second part of the Magister Technologiae comprises the research report, which carries a weight of 50% of the degree. Tutors will guide students for the duration of the gualification
		on how to plan, research and draw up their dissertations.
		The dissertations may cover any approved research topic. Students may choose topics that are directly related to their own professional responsibilities.

OPTION 1: LOCAL GOVERNMENT (MTLGS0)

YEAR SUBJECT

CODE	SUBJECT	CREDIT
RML500T	Research Methods in Local Government V	(0,100)
FIRST OR	SECOND SEMESTER	
ALG501T	Advanced Local Government	(0,080)
LGM501T	Research Report: Local	(0,500)
LGM501R	Research Report: Local Government V (re-registration)	(0,000)
	plus four of the following subjects	:
CIL501T	Contemporary Approaches and	(0,080)
FMF501T	Financial Management for the Public	(0,080)
IFU501T	Information Studies for the Public	(0,080)
ODV501T	Organisation Development for the Public Sector V	(0,080)
PLY501T	Policy Studies for the Public	(0,080)
POJ501T	Project Management for the Public	(0,080)
RES501T	Human Resource Management for the Public Sector V	(0,080)
TOTAL CR	EDITS FOR THIS OPTION:	1,000
TOTAL CR OPTION 2:	EDITS FOR THIS OPTION: PUBLIC SERVICE (MTPAS2)	1,000
TOTAL CR OPTION 2: YEAR SUE	EDITS FOR THIS OPTION: PUBLIC SERVICE (MTPAS2) BJECT	1,000
TOTAL CR OPTION 2: YEAR SUE RMI500T	EDITS FOR THIS OPTION: PUBLIC SERVICE (MTPAS2) BJECT Research Methods in Public Management V	1,000 (0,100)
TOTAL CR OPTION 2: YEAR SUE RMI500T FIRST OR	EDITS FOR THIS OPTION: PUBLIC SERVICE (MTPAS2) BJECT Research Methods in Public Management V SECOND SEMESTER	1,000 (0,100)
TOTAL CR OPTION 2: YEAR SUE RMI500T FIRST OR APU501T PUN501T	EDITS FOR THIS OPTION: PUBLIC SERVICE (MTPAS2) BJECT Research Methods in Public Management V SECOND SEMESTER Advanced Public Management V Research Report: Public	1,000 (0,100) (0,080) (0,500)
TOTAL CR OPTION 2: YEAR SUE RMI500T FIRST OR APU501T PUN501R	EDITS FOR THIS OPTION: PUBLIC SERVICE (MTPAS2) BJECT Research Methods in Public Management V SECOND SEMESTER Advanced Public Management V Research Report: Public Management V Research Report: Public Management V (re-registration)	1,000 (0,100) (0,080) (0,500) (0,000)
TOTAL CR OPTION 2: YEAR SUE RMI500T FIRST OR APU501T PUN501T PUN501R	EDITS FOR THIS OPTION: PUBLIC SERVICE (MTPAS2) SJECT Research Methods in Public Management V SECOND SEMESTER Advanced Public Management V Research Report: Public Management V Research Report: Public Management V (re-registration) plus four of the following subjects	1,000 (0,100) (0,080) (0,500) (0,000) :
TOTAL CR OPTION 2: YEAR SUE RMI500T FIRST OR APU501T PUN501R CIA501T	EDITS FOR THIS OPTION: PUBLIC SERVICE (MTPAS2) BJECT Research Methods in Public Management V SECOND SEMESTER Advanced Public Management V Research Report: Public Management V Research Report: Public Management V (re-registration) plus four of the following subjects Contemporary Issues and	1,000 (0,100) (0,080) (0,500) (0,000) : (0,080)
TOTAL CR OPTION 2: YEAR SUE RMI500T FIRST OR APU501T PUN501R CIA501T FMF501T	EDITS FOR THIS OPTION: PUBLIC SERVICE (MTPAS2) BJECT Research Methods in Public Management V SECOND SEMESTER Advanced Public Management V Research Report: Public Management V Research Report: Public Management V (re-registration) plus four of the following subjects Contemporary Issues and Approaches in Public Management V Financial Management for the Public Seater V	1,000 (0,100) (0,080) (0,500) (0,000) : (0,080)
TOTAL CR OPTION 2: YEAR SUE RMI500T FIRST OR APU501T PUN501R CIA501T FMF501T IFU501T	EDITS FOR THIS OPTION: PUBLIC SERVICE (MTPAS2) SJECT Research Methods in Public Management V SECOND SEMESTER Advanced Public Management V Research Report: Public Management V Research Report: Public Management V (re-registration) plus four of the following subjects Contemporary Issues and Approaches in Public Management V Financial Management for the Public Sector V Information Studies for the Public Sector V	1,000 (0,100) (0,080) (0,000) : (0,080) (0,080) (0,080)
TOTAL CR OPTION 2: YEAR SUE RMI500T FIRST OR APU501T PUN501T PUN501T CIA501T FMF501T IFU501T ODV501T	EDITS FOR THIS OPTION: PUBLIC SERVICE (MTPAS2) BJECT Research Methods in Public Management V SECOND SEMESTER Advanced Public Management V Research Report: Public Management V Research Report: Public Management V (re-registration) plus four of the following subjects Contemporary Issues and Approaches in Public Management V Financial Management for the Public Sector V Information Studies for the Public Sector V Organisation Development for the Public Sector V	1,000 (0,100) (0,080) (0,500) (0,000) : (0,080) (0,080) (0,080)

POJ501T	Project Management for the Public	(0,080)
	Sector V	

RES501T Human Resource Management for (0,080) the Public Sector V

TOTAL CREDITS FOR THIS OPTION: 1,000

3.4.2 MAGISTER TECHNOLOGIAE: PUBLIC MANAGEMENT Qualification code: MTPA96

REMARKS

a.	Admission requirement(s):	A Baccalaureus Technologiae: Public Management or an equivalent qualification. Students have to pass Research Methodology before they will be admitted to study for the Magister Technologiae: Public Management.
b.	Selection criteria:	Admission is subject to a structured interview with a selection committee. The candidate will be evaluated on the following criteria: Previous academic achievement Record of conduct Work experience Research topic proposal Reasons for continuing with studies
C.	Duration:	A minimum of one year and a maximum of three years.
d.	Presentation and campus:	Soshanguve South Campus (research).
e.	Subject credits:	Subject credits are shown in brackets after each subject.
COE	DE SUBJECT	CREDIT
PMG500T Dissertation: Public M PMG500R Dissertation: Public M (re-registration)		lanagement (1,000) lanagement (0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

3.4.3 DOCTOR TECHNOLOGIAE: PUBLIC MANAGEMENT Qualification code: DTPA96

a.	Admission requirement(s):	A Magister Technologiae: Public Management or an equivalent qualification.
b.	Selection criteria:	Admission is subject to selection.
C.	Duration:	A minimum of two years and a maximum of five years.
d.	Presentation and campus:	Soshanguve South Campus (research).
e.	Subject credits:	Subject credits are shown in brackets after each subject.

CODE SUBJECT

PMG700T Thesis: Public Management (2.000)PMG700R Thesis: Public Management (0.000)(re-registration)

TOTAL CREDITS FOR THE QUALIFICATION: 2,000

3.4.4 SUBJECT INFORMATION

Syllabus content subject to change to accommodate industry changes.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: ADVANCED LOCAL GOVERNMENT MANAGEMENT V AI G501T 1 X 4-HOUR PAPER (OPEN BOOK) ± 100 hours

A comprehensive in-depth study of the new system of local government and its implementation through integrated development planning.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: **OVERVIEW OF SYLLABUS:**

ADVANCED PUBLIC MANAGEMENT V APU501T 1 X 4-HOUR PAPER (OPEN BOOK) ± 100 hours

CREDIT

A comprehensive in-depth study of the new system of local government and its implementation through integrated development planning.

SUBJECT NAME:

SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME:

CONTEMPORARY APPROACHES AND ISSUES IN LOCAL GOVERNMENT V CII 501T 1 X 4-HOUR PAPER (OPEN BOOK) ± 100 hours

OVERVIEW OF SYLLABUS:

Various selected contemporary issues, such as local economic development, key performance indicators and targeted procurement, are studied.

SUBJECT NAME:

SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: CONTEMPORARY ISSUES AND APPROACHES IN PUBLIC MANAGEMENT V CIA501T 1 X 4-HOUR PAPER (OPEN BOOK) ± 100 hours

Various selected contemporary issues, such as local economic development, key performance indicators and targeted procurement, are studied.

SUBJECT NAME: SUBJECT CODE: **EVALUATION METHOD:** TOTAL TUITION TIME: **OVERVIEW OF SYLLABUS:** FINANCIAL MANAGEMENT FOR THE PUBLIC SECTOR V FMF501T CONTINUOUS ASSESSMENT ± 100 hours

The implications for and the responsibilities of the public manager in terms of the Public Finance Management Act, including the compilation and management of budgets. The particular aim is to enable students to manage their areas of responsibility in order to reach higher levels of efficiency and effectiveness.

SUBJECT NAME:

SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: **OVERVIEW OF SYLLABUS:** HUMAN RESOURCE MANAGEMENT FOR THE PUBLIC SECTOR V RES501T **1 X 3-HOUR PAPER** ± 100 hours

The strategic approach to public personnel management and the effect of external and global environments, human resource planning, job analysis and job design. Affirmative action, equity and performance management are some of the key issues.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: INFORMATION STUDIES FOR THE PUBLIC SECTOR V IFU501T **1 X 3-HOUR PAPER** ± 100 hours

The emphasis is on obtaining, processing and analysing data, the processing of data in various systems, and the interaction that takes place between such systems.

SUBJECT NAME:

SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: ORGANISATION DEVELOPMENT FOR THE PUBLIC SECTOR V **ODV501T** 1 X 3-HOUR PAPER ± 100 hours

South African managers often lack critical knowledge of the behavioural dynamics that exist in organisations. One of the most important reasons for this is the inability to present subject matter holistically; in other words, to create an understanding of the interrelated nature and need for support between the different components and the modules of which they form part. The approach in this module is to present and explain the dynamics in organisations, while allowing students to apply those dynamics in their own organisations.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: POLICY STUDIES FOR THE PUBLIC SECTOR V PI Y501T 1 X 3-HOUR PAPER ± 100 hours

The emphasis is on policy-making and the processes that precede the approval and adoption of defined policy as a policy or documentation. Implementation is discussed and the infrastructure of the country is examined to determine whether such a policy can be executed. Finally, the outcome is evaluated to determine whether the process and implementation have been successful.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: PROJECT MANAGEMENT FOR THE PUBLIC SECTOR V POJ501T 1 X 4-HOUR PAPER (OPEN BOOK) ± 100 hours

The outcomes of programme and project management focus on planning programmes and projects, estimating for control, programme and project organisation, and programme and project control, with the emphasis on applying programme and project management in the public sector.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME:

RESEARCH METHODS IN LOCAL GOVERNMENT V **RMI 500T** CONTINUOUS ASSESSMENT + 200 hours

OVERVIEW OF SYLLABUS:

An extension of the methodology that was covered in the Baccaleureus Technologiae studies pertaining to topics, such as concepts and processes, quantitative and qualitative approaches. and observation and survey techniques. This will equip students with the necessary skills to submit research proposals and write research reports in the context of local government.

RESEARCH METHODS IN PUBLIC MANAGEMENT V RMI500T CONTINUOUS ASSESSMENT ± 100 hours

An extension of the methodology that was covered in the Baccaleureus Technologiae studies pertaining to topics, such as concepts and processes, quantitative and qualitative approaches, and observation and survey techniques. This will equip students with the necessary skills to submit research proposals and write research reports in the context of local government.

3.5 DEPARTMENT OF PUBLIC RELATIONS AND BUSINESS COMMUNICATION

3.5.1 MAGISTER TECHNOLOGIAE: PUBLIC RELATIONS MANAGEMENT Qualification code: MTPR95

a. Admis	ssion requirement(s):	A Baccalaurer or a BA Honor equivalent qua	us Technologiae: Public Rela urs degree in Communicatic alification with five years of s	ations Management, on Science, or an suitable experience.
		In addition, he Methodology previous quali	or she should successfully in the first year of study if it fication.	complete Research was not taken for a
b. Selec	tion criteria:	All prospective based on a well language profimportance in consequently Factors, such personal drive readiness to b suitability will	e students are subject to sel ritten test and an interview. Of iciency and critical disposition the communication industry feature prominently in the e as academic and practical as and motivation, attitude an penefit from advanced training be taken into consideration.	lection. Selection is General knowledge, on are of the utmost . These aspects will valuation process. performance, d outlook, potential, ng, and career
c. Durati	ion:	A minimum of	one year and a maximum c	of three years.
d. Prese	ntation and campus:	Soshanguve I	North Campus (research).	
e. Subje	ct credits:	Subject credit	s are shown in brackets afte	er each subject.
CODE	SUBJECT		CREDIT	
PRS500T	Dissertation: Public Re	elations	(1,000)	
PRS500R	Dissertation: Public Re Management (re-regis	elations stration)	(0,000)	
TOTAL CR	EDITS FOR THE QUA	LIFICATION:	1,000	

3.5.2 DOCTOR TECHNOLOGIAE: PUBLIC RELATIONS MANAGEMENT Qualification code: DTPR96

REMARKS

a.	Admi	ssion requirement(s):	A Magister Te or a Magister Magister Tech or an equivale	chnologiae: Public Relations Management, Technologiae in Communication, or any other nologiae with five years of relevant experience, ent qualification.
b.	Selec	tion criteria:	All prospective students are subject to evaluation. Evaluation is based on a written test and an interview. General knowledge, language proficiency and a critical disposition are of the utmost importance in the communication industry. These aspects will consequently feature prominently in the evaluation process. Factors, such as academic and practical performance, personal drive and motivation, attitude and outlook, potential, readiness to benefit from advanced training, and career suitability will be taken into consideration.	
C.	Durat	ion:	A minimum of	two years and a maximum of five years.
d.	Prese	entation and campus:	Soshanguve I	North Campus (research).
e.	Subje	ect credits:	Subject credit	s are shown in brackets after each subject.
COE	DE	SUBJECT		CREDIT
PRS	700T	Thesis: Public Relatio	ns	(2,000)
PRS	700R	Thesis: Public Relatio Management (re-regis	ns tration)	(0,000)
тот	AL CR	EDITS FOR THE QUA	LIFICATION:	2,000

3.5.3 MAGISTER TECHNOLOGIAE: STRATEGIC COMMUNICATION Qualification code: MTSE06

a.	Admission requirement(s):	A Baccalaureus Technologiae: Business Communication, or a Baccalaureus Technologiae: International Communication, or an equivalent qualification.	
		In addition, he or she should successfully complete Research Methodology in the first year of study if it was not taken for a previous gualification	
		previous qualification.	
b.	Selection criteria:	All prospective students are subject to selection. Selection is based on a written test and an interview. General knowledge, language proficiency and critical disposition are of the utmost	
		importance in the communication industry. These aspects will consequently feature prominently in the evaluation process. Factors, such as academic and practical performance, personal drive and motivation, attitude and outlook, potential, readiness to benefit from advanced training, and career suitability will be taken into consideration.	
C.	Duration:	A minimum of one year and a maximum of three years.	

- d. Presentation and campus: Soshanguve North Campus (research).
- e. Subject credits: Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
SAG500T	Dissertation: Strategic Communication	(1,000)
SAG500R	Dissertation: Strategic Communication (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

3.5.4 DOCTOR TECHNOLOGIAE: STRATEGIC COMMUNICATION Qualification code: DTSE06

REMARKS

- a. Admission requirement(s): A Magister Technologiae: Strategic Communication or an equivalent qualification.
- b. Selection criteria: All prospective students have to present themselves for evaluation. Selection is based on a written test and an interview. General knowledge, language proficiency and critical disposition are of the utmost importance in the communication industry. These aspects will consequently feature prominently in the evaluation process. Factors, such as academic and practical performance, personal drive and motivation, attitude and outlook, potential, readiness to benefit from advanced training, and career suitability will be taken into consideration.
- c. Duration: A minimum of two years and a maximum of five years.
- d. Presentation and campus: Soshanguve North Campus (research).
- e. Subject credits: Subject credits are shown in brackets after each subject.

CODE SUBJECT CREDIT

SAG700T Thesis: Strategic Communication (2,000) SAG700R Thesis: Strategic Communication (0,000) (re-registration)

TOTAL CREDITS FOR THE QUALIFICATION: 2,000

3.6 DEPARTMENT OF SAFETY AND SECURITY MANAGEMENT

3.6.1	MAGISTER TECHNOLOGIAE:	POLICING	
	(Structured) Qualification code: MTPOST		

REMARKS

a. Admission requirement(s):

A Baccalaureus Technologiae: Policing or an equivalent qualification.

In addition, the student should successfully complete Research Methodology in the first year of study if it was not taken for a previous qualification.

- b. Selection criteria: Admission is subject to selection.
- c. Duration: A minimum of two years and a maximum of three years. The six subjects are presented during the first 18 months in evening or block-based classes (2 x 2 weeks during the first and second parts of the year).

Teaching methods are based on a combination of lectures, case studies, group work, project work and independent research. Sustained participation is required throughout the programme.

The second part of the Magister Technologiae (the last six months) comprises the dissertation (Research Report: Policing V), which carries a weight of 50% of the degree.

- d. Presentation and campus: Soshanguve South Campus (evening or block-based classes). Distance education (with limited contact classes per subject per year in Cape Town or Durban).
- e. Subject credits: Subject credits are shown in brackets after each subject.

Subjects are offered as determined by the Head of the Department.

FIRST OR SECOND SEMESTER

OPTION 1: SOSHANGUVE SOUTH CAMPUS

SUBJECT	CREDIT	PREREQUISITE SUBJECT(S)
Advanced Police Management V Research Report: Policing V Research Report: Policing V (re-registration)	(0,080) (0,500) (0,000)	
Research Methods in Policing II (year subject)	(0,100)	Research Methodology A Research Methodology B
plus four of the following subjects	s:	
Advanced Crime Investigation V	(0,080)	Investigation of Crime IVA
Advanced Pro-Active Policing V	(0,080)	Policing IVA Policing IVB
Contemporary Policing Approaches and Issues V	(0,080)	Tolicity IVD
Information Studies in Policing V	(0,080)	Policing IVA Policing IVB
Organisation Development in Policing V	(0,080)	
Public Financial Management V	(0,080)	
Project Management V	(0,080)	
Policy Studies in Policing V	(0,080)	
Human Resource Management in Policing V	(0,080)	
REDITS FOR THE QUALIFICATION:	1,000	
	SUBJECT Advanced Police Management V Research Report: Policing V Research Report: Policing V (re-registration) Research Methods in Policing II (year subject) plus four of the following subjects Advanced Crime Investigation V Advanced Pro-Active Policing V Contemporary Policing Approaches and Issues V Information Studies in Policing V Organisation Development in Policing V Public Financial Management V Project Management V Policy Studies in Policing V Human Resource Management in Policing V	SUBJECT CREDIT Advanced Police Management V (0,080) Research Report: Policing V (0,000) (re-registration) (0,000) Research Methods in Policing II (0,100) (year subject) (0,080) Advanced Crime Investigation V (0,080) Advanced Pro-Active Policing V (0,080) Advanced Pro-Active Policing V (0,080) Contemporary Policing Approaches (0,080) Organisation Development in (0,080) Public Financial Management V (0,080) Project Management V (0,080) Policing V (0,080) <tr< td=""></tr<>

OPTION 2: DISTANCE EDUCATION

APB501B PLG502T PLG502R	Advanced Police Management V Research Report: Policing V Research Report: Policing V (re-registration)	(0,080) (0,500) (0,000)	
RMP200B	Research Methods in Policing II (year subject)	(0,100)	Research Methodology A Research Methodology B
	plus four of the following subject	s:	
ACG501B	Advanced Crime Investigation V	(0,080)	Investigation of Crime IVA Investigation of Crime IVB
CPV511B	Advanced Pro-Active Policing V	(0,080)	Policing IVA Policing IVB
CYI501B	Contemporary Policing Approaches and Issues V	(0,080)	ů
IFT511B	Information Studies in Policing V	(0,080)	Policing IVA Policing IVB
ODP511B	Organisation Development in Policing V	(0,080)	-
PFN501B PJG501B	Public Financial Management V Project Management V	(0,080) (0,080)	
POS511B	Policy Studies in Policing V	(0,080)	
PUG511B	Human Resource Management in Policing V	(0,080)	
TOTAL CR	EDITS FOR THE QUALIFICATION:	1,000	

3.6.2 MAGISTER TECHNOLOGIAE: POLICING Qualification code: MTPO00

REMARKS Admission requirement(s): A Baccalaureus Technologiae: Policing or an equivalent а qualification. In addition, the student should successfully complete Research Methodology in the first year of study if it was not taken for a previous gualification. b. Selection criteria: Admission is subject to selection. A minimum of one year and a maximum of three years. С Duration: d. Presentation and campus: Soshanguve South Campus (research). Dissertation: Supervisors will guide students for the duration of the e. programme on how to plan, research and draw up their dissertations. The dissertations may cover any approved research topic. Students may choose topics that are directly related to their own professional responsibilities. f. Subject credits: Subject credits are shown in brackets after each subject. CODE SUBJECT CREDIT POG500T Dissertation: Policing (1,000)POG500R Dissertation: Policing (re-registration) (0,000) TOTAL CREDITS FOR THE QUALIFICATION: 1,000

3.6.3 DOCTOR TECHNOLOGIAE: POLICING Qualification code: DTPO00

REMARKS

a.	Admi	ssion requirement(s):	A Magister Terqualification.	chnologiae	e: Policing or an equivalent
b.	Selec	ction criteria:	Admission is a	subject to	selection.
C.	Durat	tion:	A minimum of	two years	and a maximum of five years.
d.	Prese	entation and campus:	Soshanguve S	South Can	npus (research).
e.	Subje	ect credits:	Subject credit	s are shov	vn in brackets after each subject.
COL	DE	SUBJECT		CREDIT	
PLG PLG	700T 700R	Thesis: Policing Thesis: Policing (re-re	egistration)	(2,000) (0,000)	
тот	AL CF	REDITS FOR THE QUA	LIFICATION:	2,000	

3.6.4 MAGISTER TECHNOLOGIAE: TRAFFIC SAFETY MANAGEMENT Qualification code: MTTS02

a.	Admission requirement(s):	A Baccalaureus an equivalent qu	Technologiae: Traffic Safety Management or ualification.
		In addition, the s Research Methor taken for a previ	student should successfully complete odology in the first year of study if it was not ious qualification.
b.	Selection criteria:	Admission is sul	bject to selection.
C.	Duration:	A minimum of or	ne year and a maximum of three years.
d.	Presentation and campus:	Soshanguve So	uth Campus (research).
e.	Subject credits:	Subject credits a	are shown in brackets after each subject.
col	DE SUBJECT	с	REDIT
TSN	1500T Dissertation: Traffic S	afety (1	1,000)
TSN	1500R Dissertation: Traffic S Management (re-regi	afety (0 stration)	0,000)
тот	TAL CREDITS FOR THE QUA	LIFICATION: 1	,000

3.6.5 SUBJECT INFORMATION

Syllabus content subject to change to accommodate industry changes.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: ADVANCED CRIME INVESTIGATION V ACG501B, ACG501T 1 X 4-HOUR PAPER (OPEN BOOK) Not available

Introductory concepts. The philosophy of investigation and levels of information management.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: ADVANCED POLICE MANAGEMENT V APB501B, APB501T CONTINUOUS ASSESSMENT Not available

The emphasis is on strategic management and organisation development against the background of the most recent policing strategies, as applied to a police organisation.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: ADVANCED PRO-ACTIVE POLICING V CPV511B, CPV511T 1 X 3-HOUR PAPER Not available

The emphasis is on the most recent theories on combating and preventing crime. Comparisons are made with approaches followed in developed and developing countries to prevent and combat crime. Particular emphasis is placed on the National Crime Prevention Strategy of the South African Government and the National Crime Combating Strategy followed by the South African Police Service.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: CONTEMPORARY POLICING APPROACHES AND ISSUES V CYI501B, CYI501T 1 X 4-HOUR PAPER (OPEN BOOK) Not available

The impact of change on functional policing is investigated. The Police Service is not an island and policing is not performed in an insular fashion. Constitutionalism, politics, the judiciary, economics and social factors (such as crime tendencies) all play a part in transforming the police. All these factors have an effect on organisational ideology, the individual police officer's occupational personality and, ultimately, on the relations between the police and the public.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: HUMAN RESOURCE MANAGEMENT IN POLICING V PUG511B, PUG511T 1 X 4-HOUR PAPER (OPEN BOOK) Not available

A study of the strategic approach to public personnel management and the effect of external and global environments, human resource planning, job analysis and job design. Affirmative action, equity and performance management are some of the key issues.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: INFORMATION STUDIES IN POLICING V IFT511B, IFT511T 1 X 4-HOUR PAPER (OPEN BOOK) Not available

The emphasis is on obtaining, processing and analysing data, the processing of data in various systems and the interaction that takes place between such systems.

ORGANISATION DEVELOPMENT IN POLICING V ODP511B, ODP511T 1 X 4-HOUR PAPER (OPEN BOOK) Not available

South African managers often have a critical lack of knowledge of the behavioural dynamics that exist in organisations. One of the most important reasons for this is an inability to present subject matter holistically; in other words, to create an understanding of the interrelated nature and need for support between the different components and the department of which they form a part. The approach in this module is to present and explain the dynamics in organisations, while allowing students to apply those dynamics in their own organisations.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS:

POLICY STUDIES IN POLICING V POS511B, POS511T 1 X 3-HOUR PAPER Not available

The emphasis is on policy-making and the processes that precede the approval and adoption of defined policy as a policy or documentation. Implementation is discussed and the infrastructure of the country is examined to determine whether such policies are feasible. Finally, the outcome is evaluated to determine whether the process and implementation have been successful.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: PROJECT MANAGEMENT V PJG501B, PJG501T 1 X 4-HOUR PAPER (OPEN BOOK) Not available

The outcomes of programme and project management with the emphasis on planning programmes and projects, estimating for control, programme and project organisation and programme and project control, with the emphasis on applying programme and project management in the public sector.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: PUBLIC FINANCIAL MANAGEMENT V PFN501B, PFN501T CONTINUOUS ASSESSMENT Not available

A study of the implications for and the responsibilities of the public manager in terms of the Public Finance Management Act, including the compilation and management of budgets. The particular aim is to enable students to manage their areas of responsibility to reach higher levels of efficiency and effectiveness.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: RESEARCH METHODS IN POLICING II RMP200B, RMP200T CONTINUOUS ASSESSMENT Not available

The objective is to expand the methodology covered during the Baccaleureus Technologiae studies in topics, such as concepts and processes, quantitative and qualitative approaches, and observation and survey techniques. This will equip students with the necessary skills to submit research proposals and write research reports.

FACULTY OF INFORMATION AND COMMUNICATION TECHNOLOGY

FACULTY RULE OF INFORMATION AND COMMUNICATION TECHNOLOGY

It is a Faculty rule that a student may repeat any subject offered in any of the qualifications at the Faculty of Information and Communication Technology only twice. If a student failed to comply with this rule, special permission must be granted by the Head of Department in order for a student to register again. A special intervention may be required by the Head of Department or the Head of Department may decide not to grant permission for re-registration in which case further studies would not be permitted.

4.1 DEPARTMENT OF COMPUTER SCIENCES

4.1.1 MAGISTER TECHNOLOGIAE: INFORMATION NETWORKS (Structured) Qualification code: MTINS0

Description of qualification

This programme is designed to focus on the topic of Enterprise Architecture (EA). Although you will not qualify as an architect, you will gain sufficient exposure to the main themes and topics in this field to start your journey towards such a goal. In particular, your focus will be on the technical perspective of EA with a view to equipping you to take part in architectural work with a more pronounced technical focus. In addition, you will be exposed to knowledge that will help you in the management of projects.

REMARKS

4.

а.	Admission requirement(s):	Any four-year Baccalaureus Technologiae degree in
		Information Technology or an equivalent qualification. A
		student should preferably have passed Principles of
		Research IV or Research Methodology before registration,
		and if not, should definitely pass that subject before his/her
		dissertation will be accepted.
		It is compulsory for all English second-language speakers

It is compulsory for all English second-language speakers to take an English proficiency test. If a candidate's results for that test are unsatisfactory, he or she will have to take an advanced short programme in English. Candidates have to pay for the programme themselves. A scientific writing programme, which forms part of the research report, will also be presented at the University.

b. Selection criteria: Admission is subject to selection.
c. Duration: A minimum of one year and a maximum of three years.
d. Presentation and campus: Soshanguve South Campus (evening or block-based classes).
When fewer than 15 students are enrolled for a specific subject, the Department may decide not to offer the subject.
e. Subject credits: Subject credits are shown in brackets after each subject.

FIRST OR SECOND SEMESTER

CODE	SUBJECT	CREDIT
IFN501T	Research Report: Information	(0,500)
IFN501R	Research Report: Information	(0,000)
RMD511C	Research in Information Networks V	(0,100)

plus four of the following subjects:

COB501T	Communication Networks V	(0,100)
DEG501T	Data Engineering V	(0,100)
HCA501T	Human Computer Interaction V	(0,100)
ITU501T	Information Security V	(0,100)
ITW501T	IT Law V	(0,100)
NEU501T	Neural Networks V	(0,100)
SFE501T	Software Engineering V	(0,100)
SOL501T	Systems Engineering Solutions V	(0,100)

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

4.1.2 MAGISTER TECHNOLOGIAE: INFORMATION NETWORKS Qualification code: MTIN01

a.	Admission requirement(s):	Any four-year Baccalaureus Technologiae degree in Information Technology or an equivalent qualification. A student should preferably have passed Principles of Research IV or Research Methodology before registration, and if not, should definitely pass that subject before his/her dissertation will be accepted.
b.	Selection criteria:	Admission is subject to selection.
C.	Duration:	A minimum of one year and a maximum of three years.
d.	Presentation and campus:	Soshanguve South Campus (research).
e.	Subject credits:	Subject credits are shown in brackets after each subject.
со	DE SUBJECT	CREDIT
IFN IFN	500T Dissertation: Informa 500R Dissertation: Informa (re-registration)	tion Networks (1,000) tion Networks (0,000)
то	TAL CREDITS FOR THE QU	ALIFICATION: 1,000

4.1.3 DOCTOR TECHNOLOGIAE: COMPUTER SCIENCE AND DATA PROCESSING (provisional accreditation) (Field of specialisation: Information Networks) Qualification code: DTIN08 REMARKS a. Admission requirement(s): Any relevant and equal five-year (master's) qualification. b. Selection criteria: Admission is subject to selection.

- c. Duration: A minimum of two years and a maximum of five years.d. Presentation and campus: Soshanguve South Campus (research).
- u. Presentation and campus. Sosnanguve South Campus (research).

Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
IFN700T	Thesis: Computer Science and Data Processing: Information Networks	(2,000)
IFN700R	Thesis: Computer Science and Data Processing: Information Networks (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 2,000

4.1.4 MAGISTER TECHNOLOGIAE: INFORMATION TECHNOLOGY (Field of specialisation: Technical Applications) Qualification code: MTIL95

DE	МΛ	DKG
		1110

e. Subject credits:

a.	Admission requirement(s):	A Baccalaureus Technologiae: Information Technology or an equivalent qualification. A student should preferably have passed Principles of Research IV or Research Methodology before registration, and if not, should definitely pass that subject before his/her dissertation will be accepted.
b.	Selection criteria:	It is compulsory for all candidates who speak English as a second or third language to sit for a proficiency test in English. If a candidate's results for that test are unsatisfactory, he or she will have to complete an advanced short programme in English. Candidates have to pay for the programme themselves. A programme in scientific writing, which forms part of the dissertation, will also be presented at the University.
c.	Duration:	A minimum of one year and a maximum of three years.
d.	Presentation and campus:	Soshanguve South Campus (research). The topic should be chosen in consultation with the department.
e.	Subject credits:	Subject credits are shown in brackets after each subject.

CODE SUBJECT CREDIT

DTA510T	Dissertation: Information	(1,000)
	Technology: Technical Applications	
DTA510R	Dissertation: Information	(0,000)
	Technology: Technical Applications	
	(re-registration)	

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

4.1.5 DOCTOR TECHNOLOGIAE: COMPUTER SCIENCE AND DATA PROCESSING (provisional accreditation) (Field of specialisation: Technical Applications) Qualification code: DTIL08

REMARKS

b. Selection criteria: Admission is subject to selection. c. Duration: A minimum of two years and a maximum of five years. d. Presentation and campus: Soshanguve South Campus (research). e. Subject credits: Subject credits are shown in brackets after each subject CODE SUBJECT CREDIT DTA700T Thesis: Computer Science and (2,000) Data Processing: Technical Applications DTA700R Thesis: Computer Science and (0,000) Data Processing: Technical Applications (re-registration) TOTAL CREDITS FOR THE QUALIFICATION: 2,000	а.	Admi	ission requirement(s):	Any relevant	and equal five-year (master's) qualification.
c. Duration: A minimum of two years and a maximum of five years. d. Presentation and campus: Soshanguve South Campus (research). e. Subject credits: Subject credits are shown in brackets after each subject CODE SUBJECT CREDIT DTA700T Thesis: Computer Science and (2,000) Data Processing: Technical Applications DTA700R Thesis: Computer Science and (0,000) Data Processing: Technical Applications (re-registration) TOTAL CREDITS FOR THE QUALIFICATION: 2,000	b.	Sele	ction criteria:	Admission is	subject to selection.
d. Presentation and campus: Soshanguve South Campus (research). e. Subject credits: Subject credits are shown in brackets after each subject CODE SUBJECT CREDIT DTA700T Thesis: Computer Science and (2,000) Data Processing: Technical Applications DTA700R Thesis: Computer Science and (0,000) Data Processing: Technical Applications (re-registration) TOTAL CREDITS FOR THE QUALIFICATION: 2,000	C.	Dura	tion:	A minimum o	f two years and a maximum of five years.
e. Subject credits: Subject credits are shown in brackets after each subject CODE SUBJECT CREDIT DTA700T Thesis: Computer Science and (2,000) Data Processing: Technical Applications DTA700R Thesis: Computer Science and (0,000) Data Processing: Technical Applications (re-registration) TOTAL CREDITS FOR THE QUALIFICATION: 2,000	d.	Pres	entation and campus:	Soshanguve	South Campus (research).
CODESUBJECTCREDITDTA700TThesis: Computer Science and Data Processing: Technical Applications(2,000)DTA700RThesis: Computer Science and Data Processing: Technical Applications (re-registration)(0,000)TOTALCREDITS FOR THE QUALIFICATION:2,000	e.	Subje	ect credits:	Subject credi	ts are shown in brackets after each subject.
DTA700TThesis: Computer Science and Data Processing: Technical Applications(2,000)DTA700RThesis: Computer Science and Data Processing: Technical Applications (re-registration)(0,000)TOTAL CREDITS FOR THE QUALIFICATION:2,000	COE	DE	SUBJECT		CREDIT
DTA700R Thesis: Computer Science and (0,000) Data Processing: Technical Applications (re-registration) TOTAL CREDITS FOR THE QUALIFICATION: 2,000	DTA	700T	Thesis: Computer Sci Data Processing: Tec Applications	ence and hnical	(2,000)
TOTAL CREDITS FOR THE QUALIFICATION: 2,000	DTA	.700R	Thesis: Computer Sci Data Processing: Teo Applications (re-regis	ence and hnical tration)	(0,000)
	тот	AL CF	REDITS FOR THE QUA	ALIFICATION:	2,000

4.1.6 MAGISTER TECHNOLOGIAE: PROFESSIONAL PRACTICE IN INFORMATION TECHNOLOGY (Structured) Qualification code: MTPFS1

Description of the qualification

This programme is designed to focus on the topic of Enterprise Architecture (EA). Although you will not qualify as an architect, you will gain sufficient exposure to the main themes and topics in this field to start your journey towards such a goal. In particular, your focus will be on the management of architectural teams as well as architectural projects. The exposure to the technical aspects of EA and the strategic level of business, coupled with project management, will make you an asset in the planning and execution of EA projects.

REMARKS

a. Admission requirement(s):

Any four-year Baccalaureus Technologiae degree in Information Technology or an quivalent qualification. or

A non-information technology three-year degree, but with at least five years' practical experience in an information technology environment, coupled with some management or supervisory experience. or

At least ten years' practical experience in a technical information technology environment, coupled with some management or supervisory experience. (It is acknowledged that many experienced information technology professionals who work in the industry do not have degrees. Therefore, if an information technology professional has a minimum of seven years' relevant practical experience and is able to prove his or her suitability (via an RPL procedure, as set out by this University and approved by the Head of the Department), he or she may be accepted for this programme.)

A student should preferably have passed Principles of Research IV or Research Methodology before registration, and if not, should definitely pass that subject before his/her dissertation will be accepted.

It is compulsory for all English second-language speakers to complete an English proficiency test. If a candidate's results for this test are unsatisfactory, he or she will have to complete an advanced short programme in English. Candidates have to pay for the programme themselves. A scientific writing programme, which forms part of the research report, will also be presented at the University.

- b. Selection criteria: Admission is subject to selection.
- c. Duration: A minimum of one year and a maximum of three years.
- d. Presentation and campus:

: Soshanguve South Campus (evening classes). Promotion is based on the assessment of taught subjects through practical work and an examination.

When fewer than 15 students are enrolled for a specific subject, the Department may decide not to offer the subject.

e. Class attendance: Subjects are offered on location (Soshanguve South or Pretoria campuses) as determined by the Head of the Department.

f. Subject credits: Subject credits are shown in brackets after each subject.

FIRST OR SECOND SEMESTER

CODE	SUBJECT	CREDIT
DIZ500T	Research Report: Professional Practice in Information Technology V (year subject)	(0,500)
DIZ501R	Research Report: Professional Practice in Information	(0,000)
III501T	Innovation in IT V	(0,080)

PRV511T	Professional Systems Engineering V	(0,080)
RMD511D	Research in Professional Practice	(0, 100)
	in Information Technology V	
SBG500T	Strategic Business Analysis and	(0,080)
	Modeling V (year subject)	
TKM501T	Task Management V	(0,080)
	-	

plus one of the following subjects:

DEV511T	Digital Enterprise V	(0,080)
KNT511T	Knowledge Technologies V	(0,080)
SPV511T	IT Services and Projects V	(0,080)

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

4.1.7 MAGISTER TECHNOLOGIAE: PROFESSIONAL PRACTICE IN INFORMATION TECHNOLOGY Qualification code: MTPF01

a.	Admission requirement(s):	Any four-year Baccalaureus Technologiae degree in Information Technology or an equivalent qualification.
		A non-information technology three-year degree, but with at least five years' practical experience in an information technology environment, coupled with some management or supervisory experience.
		or At least ten years' practical experience in a technical information technology environment, coupled with some management or supervisory experience. (It is acknowledged that many experienced information technology professionals who work in the industry do not have degrees. Therefore, if an information technology professional has a minimum of seven years' relevant practical experience and is able to prove his or her suitability (via an RPL procedure, as set out by this University and approved by the Head of the Department), he or she may be accepted for this programme.)
		A student should preferably have passed Principles of Research IV or Research Methodology before registration, and if not, should definitely pass that subject before his/her
		dissertation will be accepted.
b.	Selection criteria:	Admission is subject to selection.
C.	Duration:	A minimum of one year and a maximum of three years.
d.	Presentation and campus:	Soshanguve South Campus (research).
e.	Subject credits:	Subject credits are shown in brackets after each subject.
COI	DE SUBJECT	CREDIT
PP	(500T Dissertation: Professi	onal Practice (1 000)
	in Information Techno	logy
PΡΣ	(500R Dissertation: Professi in Information Techno (re-registration)	onal Practice (0,000) logy
тот	FAL CREDITS FOR THE QUA	LIFICATION: 1,000
4.1.8 DOCTOR TECHNOLOGIAE: COMPUTER SCIENCE AND DATA **PROCESSING** (provisional accreditation) (Field of specialisation: Professional Practice in Information Technology) Qualification code: DTPF08

REMARKS

- Admission requirement(s): Any relevant and equal five-year (master's) qualification. а Selection criteria: Admission is subject to selection. b.
- A minimum of two years and a maximum of five years. c. Duration:
- Presentation and campus: Soshanguve South Campus (research). d.
- Subject credits are shown in brackets after each subject. е Subject credits:

CODE	SUBJECT		CREDIT
PPX700T	Thesis: Compute Data Processing Practice in Inform	er Science and p: Professional mation Technology	(2,000)
PPX700R	Thesis: Compute Data Processing Practice in Inform (re-registration)	er Science and p: Professional mation Technology	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 2,000

4.1.9 SUBJECT INFORMATION

Syllabus content subject to change to accommodate industry changes.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: **OVERVIEW OF SYLLABUS:**

COMMUNICATION NETWORKS V COB501T CONTINUOUS ASSESSMENT Not available

A study of advanced communication networks.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: DATA ENGINEERING V DEG501T CONTINUOUS ASSESSMENT Not available

Advanced data mining, data warehousing and knowledge engineering techniques.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: DIGITAL ENTERPRISE V DEV511T CONTINUOUS ASSESSMENT Not available

An analysis of how businesses are changing in the digital era.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: HUMAN COMPUTER INTERACTION V HCA501T CONTINUOUS ASSESSMENT Not available

A study of the design and management of Internet interfaces.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: Advanced potwark accurity in INFORMATION SECURITY V ITU501T CONTINUOUS ASSESSMENT Not available

Advanced network security is covered in this subject.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: INNOVATION IN IT V III501T CONTINUOUS ASSESSMENT Not available

Principles of innovation in organisations. Application of IT for effective innovation. Principles of standardisation in IT. Innovation in relation to standardisation.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: IT LAW V ITW501T CONTINUOUS ASSESSMENT Not available

Interpretation and implementation of Bills and Acts relevant to the IT industry, e.g. Electronic Communication and Transaction Act and Access to Information and Privacy Acts.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: IT SERVICES AND PROJECTS V SPV511T CONTINUOUS ASSESSMENT Not available

Understanding the character of managing IT department offerings.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: KNOWLEDGE TECHNOLOGIES V KNT511T CONTINUOUS ASSESSMENT Not available

Knowledge engineering and technologies underpinning knowledge systems, such as decision support systems, group support systems, expert systems, data warehousing, data mining, document management and information searches.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: Genetic algorithms and the ar NEURAL NETWORKS V NEU501T CONTINUOUS ASSESSMENT Not available

Genetic algorithms and the application of neural networks in different environments.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: PROFESSIONAL SYSTEMS ENGINEERING V PRV511T CONTINUOUS ASSESSMENT Not available

Knowledge and skills required to manage the development of IS by using workgroup products, ERP systems, customer relations, supply chain and quality management.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: RESEARCH IN INFORMATION NETWORKS V RMD511C CONTINUOUS ASSESSMENT Not available

It covers the basics of paradigms, methodologies, and techniques of research. Also how to conceptualise and plan research, and structure and complete a research-based project in the form of a dissertation or thesis. It provides a holistic overview of the research process and practical methods of implementing the knowledge obtained in the information networks industry or environment.

SUBJECT NAME:

SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: RESEARCH IN PROFESSIONAL PRACTICE IN INFORMATION TECHNOLOGY V RMD511D CONTINUOUS ASSESSMENT Not available

It covers the basics of paradigms, methodologies, and techniques of research. Also how to conceptualise and plan research, and structure and complete a research-based project in the form of a dissertation or thesis. It provides a holistic overview of the research process and practical methods of implementing the knowledge obtained in the information technology industry or environment.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: SOFTWARE ENGINEERING V SFE501T CONTINUOUS ASSESSMENT Not available

Development of high-level business processes by using UML, cost and risk management and team organisation.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: STRATEGIC BUSINESS ANALYSIS AND MODELING V SBG500T CONTINUOUS ASSESSMENT Not available

Exploring issues surrounding the application of IT in order to define and implement strategic objectives. Reflecting on the purpose of strategic analysis, strategic planning and the application of tools and techniques during this process.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: SYSTEMS ENGINEERING SOLUTIONS V SOL501T CONTINUOUS ASSESSMENT Not available

Students acquire the knowledge and skills required to manage the development of IS using workgroup products, ERP systems, customer relations, supply-chain and quality management.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: TASK MANAGEMENT V TKM501T CONTINUOUS ASSESSMENT Not available

Students acquire the knowledge and skills to handle the uncertainty of task management with specific reference to the features of information systems projects. Assessment of human behaviour and communication.

4.2 DEPARTMENT OF COMPUTER SYSTEMS ENGINEERING

4.2.1 MAGISTER TECHNOLOGIAE: COMPUTER SYSTEMS Qualification code: MTCY95

REMARKS

a. Admission requirement(s): A B

A Baccalaureus Technologiae: Computer Systems or an equivalent qualification. A student should preferably have passed Principles of Research IV or Research Methodology before registration, and if not, should definitely pass that subject before his/her dissertation will be accepted.

- b. Selection criteria: Admission is subject to selection.
- c. Duration: A minimum of one year and a maximum of three years.
- d. Presentation and campus: Soshanguve South Campus (research). The topic should be chosen in consultation with the department.
- e. Subject credits: Subject credits are shown in brackets after each subject.

CODE SUBJECT

CREDIT

COT500T Dissertation: Computer Systems (1,000) COT500R Dissertation: Computer Systems (0,000) (re-registration)

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

4.2.2 DOCTOR TECHNOLOGIAE: COMPUTER SCIENCE AND DATA PROCESSING (provisional accreditation) (Field of specialisation: Computer Systems) Qualification code: DTCY08

REMARKS

- a. Admission requirement(s): Any relevant and equal five-year (master's) qualification.
- b. Selection criteria: Admission is subject to selection.
- c. Duration: A minimum of two years and a maximum of five years.
- d. Presentation and campus: Soshanguve South Campus (research).
- e. Subject credits: Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
COT700T	Thesis: Computer Science and Data Processing: Computer Systems	(2,000)
COT700R	Thesis: Computer Science and Data Processing: Computer Systems (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 2,000

4.2.3 MAGISTER TECHNOLOGIAE: INFORMATION TECHNOLOGY (Field of specialisation: Intelligent Industrial Systems) Qualification code: MTII95

REMARKS

a. Admission requirement(s):

A Baccalaureus Technologiae: Information Technology or an equivalent qualification. A student should preferably have passed Principles of Research IV or Research Methodology before registration, and if not, should definitely pass that subject before his/her dissertation will be accepted.

b.	Sele	ction criteria:	It is compulse second or thir If a candidate or she will hav programme. Of themselves. A of the disserta	bry for all candidates who speak English as a rd language to sit for a proficiency test in English 's results for this test are unsatisfactory, he ve to complete an advanced, short English Candidates have to pay for the programme A scientific writing programme, which forms part ation, will also be presented at the University.	
c.	Dura	tion:	A minimum of	fone year and a maximum of three years.	
d.	Presentation and campus:		Soshanguve South Campus (research). The topic should be chosen in consultation with the department.		
e.	Subject credits:		Subject credit	s are shown in brackets after each subject.	
СС	DE	SUBJECT		CREDIT	
DII	510T	Dissertation: Informat Technology: Intelliger	ion It Industrial	(1,000)	
DII	510R	Dissertation: Informat Technology: Intelliger Systems (re-registrati	ion nt Industrial on)	(0,000)	
TOTAL CREDITS FOR THE QUALIFICATION				1.000	

4.2.4 DOCTOR TECHNOLOGIAE: COMPUTER SCIENCE AND DATA PROCESSING (provisional accreditation) (Field of specialisation: Intelligent Industrial Systems) Qualification code: DTII08

a.	Admis	ssion requirement(s):	Any relevant a	nd equal five-year (master's) qualification.	
b.	Selec	tion criteria:	Admission is s	ubject to selection.	
c.	Durat	ion:	A minimum of	two years and a maximum of five years.	
d.	Prese	ntation and campus:	Soshanguve S	South Campus (research).	
e.	Subje	ct credits:	Subject credits	s are shown in brackets after each subject.	
COD	E	SUBJECT		CREDIT	
DII700T		T Thesis: Computer Science and Data Processing: Intelligent Industrial Systems Thesis: Computer Science and		(2,000)	
Dirit	5011	Data Processing: Intel	ligent Industria	(0,000)	
тот	AL CR	EDITS FOR THE QUA	LIFICATION:	2,000	

4.3 DEPARTMENT OF INFORMATICS

4.3.1 MAGISTER TECHNOLOGIAE: BUSINESS INFORMATION SYSTEMS (Structured) Qualification code: MTBIS1

REMARKS

a.	Admission requirement(s):	Students who enrol for this option should have a four-year bachelor's degree or honours degree in information systems or related discipline.
b.	Selection criteria:	Admission to this programme is subject to the approval of the Head of Department, following the guidelines of the Policy on Postgraduate Studies.
C.	Duration:	A minimum of one year and a maximum of three years.
d.	Presentation and campus:	Soshanguve South Campus (evening classes).
		The qualification consists of structured semester subjects and a research report. The six subjects are presented during the first 18 months through part-time study. The second part of the Magister Technologiae (the last six months) comprises the research report, which carries a weight of 50% of the degree.
e.	Rules:	See the rules on postgraduate studies in the Students' Rules and Regulations.
f.	Subject credits:	Subject credits are shown in brackets after each subject.

FIRST OR SECOND SEMESTER

CODE	SUBJECT	CREDIT
BIF501T	Business Information Systems V	(0,080)
BUA501T	Business Analysis V	(0,080)
DEV501T	Digital Enterprise V	(0,080)
DIX500T	Research Report: Business	(0,500)
	Information Systems V (year subject)	
DIX500R	Research Report: Business	(0,000)
	Information Systems V	
	(re-registration)	
KNT501T	Knowledge Technologies V	(0,080)
RMD511B	Research in Business Information	(0,100)
	Systems V	
SPV501T	IT Services and Projects V	(0,080)
TOTAL CR	EDITS FOR THE QUALIFICATION:	1,000

4.3.2 MAGISTER TECHNOLOGIAE: BUSINESS INFORMATION SYSTEMS Qualification code: MTBI01

REMARKS

a. Admission requirement(s):

Students who enrol for this option should have a fouryear bachelor's degree or honours degree in information technology, information systems or related discipline.

- b. Selection criteria: Admission to this programme is subject to the approval of the Head of Department.
- c. Duration: A minimum of one year and a maximum of three years.
- d. Presentation and campus: Soshanguve South Campus (research).
- e. Subject credits: Subject credits are shown in brackets after each subject.

CREDIT

CODE SUBJECT

BIF500TDissertation: Business Information(1,000)SystemsDissertation: Business Information(0,000)Systems (re-registration)Systems (re-registration)(1,000)

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

4.3.3 DOCTOR TECHNOLOGIAE: COMPUTER SCIENCE AND DATA PROCESSING (provisional accreditation) (Field of specialisation: Business Information Systems) Qualification code: DTBI08

a. Admission requirement(s):		Students who degree in info related discipli	enrol for this degree should have a master's mation technology, information systems or ine.	
b.	Selec	tion criteria:	Admission to t Head of Depa	this programme is subject to the approval of the rtment.
C.	Durati	ion:	A minimum of	two years and a maximum of five years.
d.	Prese	ntation and campus:	Soshanguve S	South Campus (research).
e.	Subje	ct credits:	Subject credits	s are shown in brackets after each subject.
COD	E	SUBJECT		CREDIT
BIF7	00T	Thesis: Computer Scie Data Processing: Busi Information Systems	ence and ness	(2,000)
BIF7	00R	Thesis: Computer Scie Data Processing: Busi Information Systems (1	ence and ness re-registration)	(0,000)
тот	AL CR	EDITS FOR THE QUA	LIFICATION:	2,000

4.3.4 MAGISTER TECHNOLOGIAE: INFORMATION TECHNOLOGY (Field of specialisation: Business Applications) Qualification code: MTIB95

REMARKS

a.	Admission requirement(s):	A Baccalaureus lechnologiae: Information lechnology or an equivalent qualification. A student should preferably have passed Principles of Research IV or Research Methodology before registration, and if not, should definitely pass that subject before his/her dissertation will be accepted.		
b.	Selection criteria:	It is compulsory for all candidates who speak English as a second or third language to sit for a proficiency test in English. If a candidate's results for this test are unsatisfactory, he or she will have to pass an advanced short programme in English. Candidates have to pay for the programme themselves. A programme in scientific writing, which forms part of the research report, will also be presented at the University.		
C.	Duration:	A minimum of one year and a maximum of three years.		
d.	Presentation and campus:	Soshanguve South Campus (research). The topic should be chosen in consultation with the department.		
e.	Subject credits:	Subject credits are shown in brackets after each subject.		
COE	DE SUBJECT	CREDIT		
DIB	510T Dissertation: Informat	on (1,000)		
DIB5	510R Dissertation: Informat Technology: Business (re-registration)	Applications on (0,000) Applications		
тот	AL CREDITS FOR THE QUA	LIFICATION: 1,000		

4.3.5 DOCTOR TECHNOLOGIAE: COMPUTER SCIENCE AND DATA PROCESSING (provisional accreditation) (Field of specialisation: Business Applications) Qualification code: DTIB08

RE	MARKS	
a.	Admission requirement(s):	Any relevant and equal five-year (master's) qualification.
b.	Selection criteria:	Admission is subject to selection.
C.	Duration:	A minimum of two years and a maximum of five years.
d.	Presentation and campus:	Soshanguve South Campus (research).
e.	Subject credits:	Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
DIB700T	Thesis: Computer Science and Data Processing: Business Applications	(2,000)
DIB700R	Thesis: Computer Science and Data Processing: Business Applications (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 2,000

4.3.6 MAGISTER TECHNOLOGIAE: INFORMATION TECHNOLOGY (Field of specialisation: Information Management) Qualification code: MTIM95

a.	Admis	ssion requirement(s):	A Baccalaure equivalent qu passed Princi before registr subject before	eus Technologiae: Information Technology or an ualification. A student should preferably have ciples of Research IV or Research Methodology ration, and if not, should definitely pass that re his/her dissertation will be accepted.
b.	Selec	tion criteria:	It is compulse a second or the English. If a control to the or she will in English. Cathemselves. A part of the reso University.	ory for all candidates who speak English as third language to sit for a proficiency test in candidate's results for this test are unsatisfactory, Il have to pass an advanced short programme andidates have to pay for the programme A programme in scientific writing, which forms esearch report, will also be presented at the
C.	Durat	ion:	A minimum of	of one year and a maximum of three years.
d.	Prese	entation and campus:	Soshanguve chosen in cor	South Campus (research). The topic should be onsultation with the department.
e.	Subje	ect credits:	Subject credit	its are shown in brackets after each subject.
COD	E	SUBJECT		CREDIT
DSR	500T	Dissertation: Informati	ion	(1,000)
DSR	500R	Technology: IT Manag Dissertation: Informati Technology: IT Manag (re-registration)	gement ion gement	(0,000)
тот	AL CR	EDITS FOR THE QUA	LIFICATION:	1,000

4.3.7 DOCTOR TECHNOLOGIAE: COMPUTER SCIENCE AND DATA PROCESSING (provisional accreditation) (Field of specialisation: IT Management) Qualification code: DTIM08

REMARKS

- a. Admission requirement(s): Any relevant and equal five-year (master's) qualification.
- b. Selection criteria: Admission is subject to selection.
- c. Duration: A minimum of two years and a maximum of five years.
- d. Presentation and campus: Soshanguve South Campus (research).
- e. Subject credits: Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
DSR700T	Thesis: Computer Science and Data Processing: IT Management	(2,000)
DSR700R	Thesis: Computer Science and Data Processing: IT Management (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 2,000

4.3.8 MAGISTER TECHNOLOGIAE: KNOWLEDGE MANAGEMENT Qualification code: MTKM01

a.	Admission requirement(s):	A Baccalaureus Technologiae: Knowledge Management or an equivalent qualification. A student should preferably have passed Principles of Research IV or Research Methodology before registration, and if not, should definitely pass that subject before his/her dissertation will be accepted.
b.	Selection criteria:	Admission is subject to selection. It is compulsory for all candidates who speak English as a second or third language to sit for a proficiency test in English. If a candidate's results for this test are unsatisfactory, he or she will have to pass an advanced short programme in English. Candidates have to pay for the programme themselves. A programme in scientific writing, which forms part of the research report, will also be presented at the University.
C.	Duration:	A minimum of one year and a maximum of three years.
d.	Presentation and campus:	Soshanguve South Campus (research).
e.	Subject credits:	Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
KNM500T	Dissertation: Knowledge Management	(1,000)
KNM500R	Dissertation: Knowledge Management (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

4.3.9 DOCTOR TECHNOLOGIAE: COMPUTER SCIENCE AND DATA PROCESSING (provisional accreditation) (Field of specialisation: Knowledge Management) Qualification code: DTKM08

REMARKS

a.	Admis	ssion requirement(s):	Any relevant a	and equal five-year (master's) qualification.	
b.	Selec	tion criteria:	Admission is	subject to selection.	
C.	Durat	ion:	A minimum of two years and a maximum of five years.		
d.	Presentation and campus:		Soshanguve S	South Campus (research).	
e.	. Subject credits:		Subject credit	s are shown in brackets after each subject.	
сор	E	SUBJECT		CREDIT	
KNM	1700T	Thesis: Computer Sci Data Processing: Kno	ence and wledge	(2,000)	
KNM	1700R	Management Thesis: Computer Sci Data Processing: Kno Management	ence and wledge	(0,000)	
TOT	AL CR	EDITS FOR THE QUA	LIFICATION:	2,000	

4.3.10 SUBJECT INFORMATION

Syllabus content subject to change to accommodate industry changes.

SUBJECT NAME: **BUSINESS ANALYSIS V** SUBJECT CODE: BUA501T CONTINUOUS ASSESSMENT EVALUATION METHOD: TOTAL TUITION TIME: Not available OVERVIEW OF SYLLABUS: Analysis of different business information systems in companies and the application of different business models in an IT environment. SUBJECT NAME: **BUSINESS INFORMATION SYSTEMS V** SUBJECT CODE: BIF501T EVALUATION METHOD: CONTINUOUS ASSESSMENT TOTAL TUITION TIME: Not available OVERVIEW OF SYLLABUS: Exploring the context of information system applications in IT environments.

Faculty of Information and Communication Technology

SUBJECT NAME: DIGITAL ENTERPRISE V SUBJECT CODE: DEV501T EVALUATION METHOD: TOTAL TUITION TIME: Not available OVERVIEW OF SYLLABUS:

CONTINUOUS ASSESSMENT

An analysis of how businesses are changing in the digital era.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: IT SERVICES AND PROJECTS V SPV501T CONTINUOUS ASSESSMENT Not available

The nature and management of departmental infrastructure.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: KNOWLEDGE TECHNOLOGIES V **KNT501T** CONTINUOUS ASSESSMENT Not available

Knowledge engineering and technologies underpinning knowledge systems, such as decision support systems, group support systems, expert systems, data warehousing, data mining, document management and information searches.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: RESEARCH IN BUSINESS INFORMATION SYSTEMS V RMD511B CONTINUOUS ASSESSMENT Not available

It covers the basics of paradigms, methodologies, and techniques of research. Also how to conceptualise and plan research, and structure and complete a research-based project in the form of a dissertation or thesis. It provides a holistic overview of the research process and practical methods of implementing the knowledge obtained in the business information systems industry or environment.

DEPARTMENT OF INFORMATION TECHNOLOGY 4.4

4.4.1 MAGISTER TECHNOLOGIAE: INFORMATION TECHNOLOGY (Field of specialisation: Communication Networks) Qualification code: MTIK95

a.	Admission requirement(s):	A Baccalaureus Technologiae: Information Technology or an equivalent qualification. A student should preferably have passed Principles of Research IV or Research Methodology before registration, and if not, should definitely pass that subject before his/her dissertation will be accepted.
b.	Selection criteria:	It is compulsory for all candidates who speak English as a second or third language to sit for a proficiency test in English. If a candidate's results for this test are unsatisfactory, he or she will have to complete an advanced short programme
		in English. Candidates have to pay for the programme themselves. A programme in scientific writing, which forms part of the dissertation, will also be presented at the University.
C.	Duration:	A minimum of one year and a maximum of three years.
d.	Presentation and campus:	Soshanguve South Campus (research). The topic should be chosen in consultation with the department.

e. Subject credits:

Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
DCN510T	Dissertation: Information Technology: Communication Networks	(1,000)
DCN510R	Dissertation: Information Technology: Communication Networks (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

4.4.2 DOCTOR TECHNOLOGIAE: COMPUTER SCIENCE AND DATA PROCESSING (provisional accreditation) (Field of specialisation: Communication Networks) Qualification code: DTIK08

REMARKS

a.	Admis	ssion requirement(s):	Any relevant a	and equal five-year (master's)	qualification.
b.	Selection criteria:		Admission is subject to selection.		
C.	Durati	ion:	A minimum of	two years and a maximum of	five years.
d.	Prese	ntation and campus:	Soshanguve S	South Campus (research).	
e.	Subje	ct credits:	Subject credit	s are shown in brackets after	each subject.
COD	E	SUBJECT		CREDIT	
DCN	700T	Thesis: Computer Scie Data Processing: Com Networks	ence and munication	(2,000)	
DCN	700R	Thesis: Computer Scie Data Processing: Com Networks (re-registrati	ence and munication on)	(0,000)	
TOT	AL CR	EDITS FOR THE QUA	LIFICATION:	2,000	

4.5 DEPARTMENT OF SOFTWARE ENGINEERING

4.5.1 MAGISTER TECHNOLOGIAE: INFORMATION TECHNOLOGY (Field of specialisation: Software Development) Qualification code: MTIS95

a.	Admission requirement(s):	A Baccalaureus Technologiae: Information Technology or an equivalent qualification. A student should preferably have passed Principles of Research IV or Research Methodology before registration, and if not, should definitely pass that subject before his/her dissertation will be accepted.

- b. Selection criteria: It is compulsory for all candidates who speak English as a second or third language to sit for a proficiency test in English. If a candidate's results for that test are unsatisfactory, he or she will have to complete an advanced short programme in English. Candidates have to pay for the programme themselves. A programme in scientific writing, which forms part of the dissertation, will also be presented at the University.
- c. Duration: A minimum of one year and a maximum of three years.
- d. Presentation and campus: Soshanguve South Campus (research). The topic should be chosen in consultation with the department.
- e. Subject credits: Subject credits are shown in brackets after each subject.

CODE SUBJECT CREDIT

DSD510T	Dissertation: Information	(1,000)
DSD510R	Technology: Software Development Dissertation: Information Technology: Software Development	(0,000)
	(re-registration)	

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

4.5.2 DOCTOR TECHNOLOGIAE: COMPUTER SCIENCE AND DATA PROCESSING (provisional accreditation) (Field of specialisation: Software Development) Qualification code: DTIS08

a.	Admi	ssion requirement(s):	Any relevant and equal five-year (master's) qualification.	
b.	Selec	ction criteria:	Admission is subject to selection.	
C.	Durat	tion:	A minimum of two years and a maximum of five years.	
d.	Prese	entation and campus:	Soshanguve South Campus (research).	
e.	Subje	ect credits:	Subject credits are shown in brackets after each subject.	
COL	DE	SUBJECT	CREDIT	
DSE DSE TOT	0700T 0700R TAL CR	Thesis: Computer Scia Data Processing: Soft Development Thesis: Computer Scia Data Processing: Soft Development (re-regis REDITS FOR THE QUA	ence and (2,000) ware stration) ALIFICATION: 2,000	

4.6 DEPARTMENT OF WEB AND MULTIMEDIA COMPUTING

4.6.1	MA (Fie Qua	GIST eld of ilifica	ER TECHNOLO	GIAE: INFO Multimedia	RMATION TECHNOLO)	GY	
	REMARKS						
	a.	Admi	ission requirement(s):	A Baccalaure equivalent qu passed Princ before registr subject befor	A Baccalaureus Technologiae: Information Technology or an equivalent qualification. A student should preferably have passed Principles of Research IV or Research Methodology before registration, and if not, should definitely pass that subject before his/her dissertation will be accepted.		
	b.	Selec	ction criteria:	It is compulso second or thi Should a can or she will ha in English. Ca themselves. A part of the dis the University	by for all candidates who spead d language to sit for a proficie didate's results for this test be ve to complete an advanced s andidates have to pay for the p A programme in scientific writin secration, will also be presented	k English as a ncy test in English unsatisfactory, he hort programme ig, which forms ed to students at	
	C.	Dura	tion:	A minimum o	fone year and a maximum of t	hree years.	
	d.	Prese	entation and campus:	Soshanguve chosen in cor	South Campus (research). The south campus (research). The south the department.	e topic should be	
	e. Subject credits:		Subject credits are shown in brackets after each subject.				
	COL	DE	SUBJECT		CREDIT		
	DIM DIM TOT	510T 510R TAL CF	Dissertation: Inform Technology: Multim Dissertation: Inform Technology: Multim (re-registration) REDITS FOR THE QU	ation edia ation edia JALIFICATION:	(1,000) (0,000) 1,000		
.6.2	DO PR (Fie Qua	CTO OCE Id of	R TECHNOLOG SSING (provisior f specialisation: tion code: DTIU08	IAE: COMPL nal accreditat : Multimedia 8	ITER SCIENCE AND D ion))	ΑΤΑ	
	REI	MAR	(S				
	a.	Admi	ssion requirement(s):	: Any relevant	and equal five-year (master's)	qualification.	
	b.	Selec	ction criteria:	Admission is	subject to selection.		
	c.	Dura	tion:	A minimum o	f two years and a maximum of	five years.	
	d.	Prese	entation and campus:	Soshanguve	South Campus (research).		
	e.	Subje	ect credits:	Subject credi	is are shown in brackets after	each subject.	

CODE	SUBJECT	CREDIT

Thesis: Computer Science and	(2,000)
Data Processing: Multimedia	
Thesis: Computer Science and	(0,000)
Data Processing: Multimedia	
(re-registration)	
	Thesis: Computer Science and Data Processing: Multimedia Thesis: Computer Science and Data Processing: Multimedia (re-registration)

TOTAL CREDITS FOR THE QUALIFICATION: 2,000

4.6.3 MAGISTER TECHNOLOGIAE: INFORMATION TECHNOLOGY (Field of specialisation: Web and Application Development) Qualification code: MTIW95

a.	Ac	Imission requirement(s):	A Baccalaureus Technologiae: Information Technology or an equivalent qualification. A student should preferably have passed Principles of Research IV or Research Methodology before registration, and if not, should definitely pass that subject before his/her dissertation will be accepted.		
b.	b. Selection criteria:		It is compulsory for all candidates who speak English as a second or third language to sit for a proficiency test in English. Should a candidate's results for this test be unsatisfactory, he or she will have to complete an advanced short programme in English. Candidates have to pay for the programme themselves. A programme in scientific writing, which forms part of the dissertation, will also be presented to students at the University.		
C.	Dι	uration:	A minimum of	f one year and a maximum of three y	/ears.
d.	Presentation and campus: So cho		Soshanguve South Campus (research). The topic should be chosen in consultation with the department.		
e.	Sι	ubject credits:	Subject credit	ts are shown in brackets after each s	subject.
СОД	E	SUBJECT		CREDIT	
DWA	.51	0T Dissertation: Information Technology: Web and	on Application	(1,000)	
DWA	.51	0R Dissertation: Information Technology: Web and Development (re-regis	on Application tration)	(0,000)	
τοτ	۹L	CREDITS FOR THE QUA	LIFICATION:	1,000	

4.6.4 DOCTOR TECHNOLOGIAE: COMPUTER SCIENCE AND DATA PROCESSING (provisional accreditation) (Field of specialisation: Web and Application Development) Qualification code: DTIW08

REMARKS

a.

b.	Selec	ction criteria:	Admission is	subject to selection.
C.	Durat	ion:	A minimum o	f two years and a maximum of five years.
d.	Prese	entation and campus:	Soshanguve	South Campus (research).
e.	Subje	ect credits:	Subject credi	ts are shown in brackets after each subject.
COE	DE	SUBJECT		CREDIT
DW	A700T	Thesis: Computer So Data Processing: We Application Develop	cience and eb and ment	(2,000)
DWA	4700R	Thesis: Computer Se Data Processing: We Application Develops (re-registration)	cience and eb and ment	(0,000)
TOTAL CREDITS FOR THE QUALIF			ALIFICATION:	2,000

Admission requirement(s): Any relevant and equal five-year (master's) qualification.

Faculty of Information and Communication Technology

5. FACULTY OF MANAGEMENT SCIENCES

5.1 BUSINESS SCHOOL

5.1.1 MASTER'S DEGREE IN BUSINESS ADMINISTRATION (MBA) Qualification code: MTMB02

а.	Admission requirement(s):	 An applicant should – be in possession of a National Diploma that can be followed by studies for a Baccalaureus Technologiae; or should be in possession of any three-year bachelor's degree; or be in possession of any other M+3 qualification or combination of qualifications that has been evaluated by the University to be the equivalent of the former; and have successfully completed a compulsory psychometric test; have been successful in his or her personal interview; have had a minimum of five years of relevant working experience in a business-related environment; and be at least 25 years old.
b.	Selection criteria:	Psychometric tests and assessment. A fee of R300 per applicant is payable.
C.	Duration:	A minimum of three years and a maximum of five years.
d.	Presentation and campus:	Pretoria Campus (Metro Skinner Street). Compulsory workshops. Classes are held from 07:00 to 13:15 on Saturdays. Specific electives may be presented on a block basis during weekdays.
e.	Electives:	The offering of specific electives will be determined by the School.
f.	Research Methodology:	Students have to pass all the subjects in the first year and any two subjects in the second year before they will be permitted to register for Research Methodology.
g.	Dissertation:	Students have to pass the prerequisite subjects before they may submit their dissertations.
h.	Subject credits:	Subject credits are shown in brackets after each subject.
FIRS	ST YEAR	
COE	SUBJECT	CREDIT
BUS MGF MME OBE OPE TOT	501T Business Statistics 501T Managerial Finance 501T Marketing Manageme 501T Managerial Economic 501T Organisational Behav 501T Operations Managem AL CREDITS FOR THE FIRS	(0,100) (0,100) nt (0,100) s (0,100) iour (0,100) ent (0,100) ST YEAR: 0,600

SECOND YEAR

BUT501T	Business Strategy	(0,100)
CGE501T	Change Management	(0,100)
FMN511T	Financial Management	(0,100)
HRM511T	Human Resources Management	(0,100)
INM501T	International Management	(0,100)
RMD101C	Research Methodology (offered	(0,100)
	in the second and third year)	

plus one of the following subjects:

EMG511T	Environmental Management	(0,100)
INF501T	International Financing	(0,100)
MTH501T	Management of Technology	(0,100)
PJG511T	Project Management	(0,100)
QMG501T	Quality Management	(0,100)
TNO501T	Technological Entrepreneurship	(0,100)

TOTAL CREDITS FOR THE SECOND YEAR: 0,700

THIRD YEAR

On completion of the compulsory subjects in the first and second year.

DIS501T	Research Dissertation	(0,500)
DIS501R	Research Dissertation	(0,000)
	(re-registration)	

plus two of the following subjects not already passed:

EMG511T Environmental Management	(0,100)				
INF501T International Financing	(0,100)				
MTH501T Management of Technology	(0,100)				
PJG511T Project Management	(0,100)				
QMG501T Quality Management	(0,100)				
TNO501T Technological Entrepreneurship	(0,100)				
TOTAL CREDITS FOR THE THIRD YEAR: 0,700					
TOTAL CREDITS FOR THE QUALIFICATION:	2,000				

5.1.2 DOCTOR TECHNOLOGIAE: BUSINESS ADMINISTRATION Qualification code: DTBA96

a.	Admission requirement(s):	A Magi an equ	ster Technologiae: Business Administration, an MBA or ivalent qualification.
b.	Selection criteria:	1.	A recognised Magister Technologiae conferred by a
		2.	tertiary institution registered with the Department of Education. Provisionally registered institutions must be scrutinised for their standards. Submission of a preliminary doctoral proposal that complies with the protocol set by the University and the Business School.
		3.	An Average of at least 60% for the class work and the Magister Technologiae dissertation.

			4.	At least 60% for the subject, Research Methodology. If the candidate did not obtain these marks, the following procedures may be followed:
			4.1.1	The candidate has to complete the subjects, Research Methodology and Statistics, to be able to apply for admission to doctoral studies again.
			4.1.2	On completion of the above subjects, the student has to sit for an oral examination to establish his or her abilities in both Research Methodology and Statistics
			4.1.3	The successful student may then be admitted to the next phase of selection, the doctoral proposal
			4.2	If the candidate did obtain at least 60% for the subject, Research Methodology, but his or her abilities are in doubt, the procedure in 4.1.1 must also be followed
			5.	Admission to doctoral studies rests with the Faculty of Management Sciences and the Director of Business School.
			6.	If the doctoral candidate has completed a full dissertation for his or her Magister Technologiae, items 3 and 4 do not apply.
C.	Durati	ion:	A minimu	um of two years and a maximum of five years.
d. Structure:		This qua recorded be accep by the su evaluate draft vers by the jo	alification consists of a research project that has to be d in the form of a thesis. Before the dissertation will oted, articles, based on the research and approved upervisor, should have been submitted to a peer- id accredited journal and accepted for publication. A sion of the article, with acknowledgement of receipt upural, should be submitted with the thesis.	
e.	Prese	ntation and campus:	Pretoria	Campus (Metro Skinner Street) (research).
f.	Subje	ct credits:	Subject	credits are shown in brackets after each subject.
COD	Ε	SUBJECT		CREDIT
BAD BAD	700T 700R	Thesis: Business Adm Thesis: Business Adm (re-registration)	inistratior inistratior	n (2,000) n (0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 2,000

5.1.3 MAGISTER TECHNOLOGIAE: ORGANISATIONAL LEADERSHIP (Structured) Qualification code: MTOLS1

a.	Admission requirement(s):	A Baccalaureus Technologiae: Organisational Leadership or an equivalent qualification.
b.	Selection criteria:	Admission is subject to selection.
C.	Duration:	A minimum of one year and a maximum of three years.
d.	Presentation and campus:	Pretoria Campus (Metro Skinner Street) (block-based classes).

e. Subject credits:

Subject credits are shown in brackets after each subject.

YEAR SUBJECTS

CODE	SUBJECT	CREDIT	PREREQUISITE SUBJECT(S)
BUG500T	Business Management V	(0,083)	People Skills IV
CEL500T	Capita Selecta V	(0,083)	People Skills IV
OHI500T	Organisational Leadership V	(0,084)	Leadership IV
ORG500T	Research Report: Organisational	(0,500)	·
	Leadership V		
ORG500R	Research Report: Organisational	(0,000)	
	Leadership V (re-registration)		
PHI500T	Personal Leadership V	(0,083)	Leadership IV
RMD500B	Research Methodology V	(0,084)	Research Methodology
SHI500T	Strategic Leadership V	(0,083)	Leadership IV

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

5.1.4 MAGISTER TECHNOLOGIAE: ORGANISATIONAL LEADERSHIP Qualification code: MTOL01

a.	Admission requirement(s):	A Baccalaureus Technologiae: Organisational Leadership or an equivalent qualification. A student must have passed Research Methodology before registration.
b.	Selection criteria:	Admission is subject to selection. All the candidates must submit a proposed research proposal to the Business School. The proposal will be evaluated by a panel for admission to the Magister Technologiae: Organisational Leadership.
		Registration prior to the approval of a research proposal is provisional and will be made official only if the research proposal is approved by the Faculty Higher Degrees Committee These procedures will be fully explained to prospective students during their application to the programme.
C.	Duration:	A minimum of one year and a maximum of three years.
d.	Presentation and campus:	Pretoria Campus (Metro Skinner Street) (research).
e.	Structure:	This qualification consists of a research project that has to be recorded in the form of a dissertation. Before the dissertation will be accepted, articles, based on the research and approved by the supervisor, should have been submitted to a peer-evaluated accredited journal and accepted for publication. A draft version of the article, with acknowledgement of receipt by the journal, should be
		submitted with the dissertation.
f.	Subject credits:	Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CRE	DIT
------	---------	-----	-----

LDS500T	Dissertation: Organisational	(1,000)
	Leadership	
LDS500R	Dissertation: Organisational	(0,000)
	Leadership (re-registration)	

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

5.1.5 DOCTOR TECHNOLOGIAE: ORGANISATIONAL LEADERSHIP Qualification code: DTOL01

a.	Admission requirement(s):	A Magister Techi equivalent qualif	nologiae: Organisational Leaders ication.	hip or an
b.	Selection:	Admission is sub submit a proposal The proposal wil Doctor Technolo prior to the appro- will be made offi by the Faculty H will be fully expla application to the	bject to selection. All the candidat ed research proposal to the Busin l be evaluated by a panel for adn giae: Organisational Leadership. oval of a research proposal is pro cial only if the research proposal igher Degrees Committee These hined to prospective students dur e programme.	es must ness School. nission to the Registration pvisional and is approved procedures ing their
C.	Duration:	A minimum of tw	o years and a maximum of five y	ears.
d.	Presentation and campus:	Pretoria Campus	(Metro Skinner Street) (research	h).
e.	Structure:	This qualification recorded in the f accepted, and an by the superviso evaluated accrea draft version of th by the journal, st	consists of a research project the orm of a thesis. Before the dissen- ticle, based on the research and r, should have been submitted to dited journal and accepted for pul- ne article, with acknowledgement hould be submitted with the thesis	at has to be rtation will be approved a peer- blication. A t of receipt s.
f.	Subject credits:	Subject credits a	re shown in brackets after each	subject.
сор	E SUBJECT	С	REDIT	
LDS7 LDS7	700T Thesis: Organisationa 700R Thesis: Organisationa (re-registration)	l Leadership (2 l Leadership (0	,000) ,000)	
тот	AL CREDITS FOR THE QUA	LIFICATION: 2,	000	

5.1.6 SUBJECT INFORMATION

Syllabus content subject to change to accommodate industry changes.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: BUSINESS MANAGEMENT V BUG500T 1 X 3-HOUR PAPER ± 200 hours

Business management principles, including international management, financial management, quality and managerial economics.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: BUSINESS STATISTICS BUS501T 1 X 4-HOUR PAPER (OPEN BOOK) ± 36 hours

Basic numerical and mathematical concepts, descriptive statistics, index number, elementary probability and decision theory, probability distribution, estimating from samples, hypothesis testing, simple regression and correlation, time-series analysis and forecasting, stock or inventory control, linear programming, network analysis.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: BUSINESS STRATEGY BUT501T 1 X 4-HOUR PAPER (OPEN BOOK) ± 36 hours

Overview of management principles, nature and value of strategic management, the strategic management process, defining the business, analysis of external environment, industry and competitive analysis, internal analysis and company profiles, generic business strategies and industrial environments, strategic analysis and choice.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: Contemporary burning issues. CAPITA SELECTA V CEL500T 1 X 3-HOUR PAPER (OPEN BOOK) ± 200 hours

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: CHANGE MANAGEMENT CGE501T 1 X 4-HOUR PAPER (OPEN BOOK) ± 36 hours

Application of management principles, business information, the latest technologies, software applications, problem-solving and decision-making, data warehousing, information systems, e-commerce.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: ENVIRONMENTAL MANAGEMENT EMG511T 1 X 4-HOUR PAPER (OPEN BOOK) ± 36 hours

Introduction to macro-environmental aspects and tendencies (national and international), strategic environmental management, environmental laws and policy, consumer behaviour and perceptions, commercialisation of environmental management as a business opportunity, technology as a support for environmental management, and micro-environmental tendencies (client-specific).

FINANCIAL MANAGEMENT FMN511T 1 X 3-HOUR PAPER (OPEN BOOK) ± 36 hours

South African taxation system, time value of money, financial statement analysis and interpretation, working capital management, investment in capital projects, financing decisions, dividend decisions, business valuation, mergers and take-overs.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: HUMAN RESOURCES MANAGEMENT HRM511T 1 X 4-HOUR PAPER (OPEN BOOK) ± 36 hours

Introduction to human resource management strategy, environmental issues, affirmative action, human resource development, productivity, creating a strategic organisation, creating a learning organisation. Human resource development and training, strategic industrial relations management, key success factors and measures, implementation of strategies, performance management.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: INTERNATIONAL FINANCING INF501T 1 X 4-HOUR PAPER (OPEN BOOK) ± 36 hours

Overview and structure, harmonisation of financial reporting, international financial systems, spot planning and forward planning, trade finance, forex risk management, international trade and investment, structuring offshore operations, joint ventures, accounting and tax perspectives, evaluation of direct overseas investment opportunities, financial management of multinationals.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: INTERNATIONAL MANAGEMENT INM501T 1 X 4-HOUR PAPER ± 36 hours

Differences between countries, international trade, foreign direct investment, economic integration, global monetary systems, international strategy and structure, multinationals and global alliances, importing, exporting and international marketing, global human resource management and global financial management.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: MANAGEMENT OF TECHNOLOGY MTH501T 1 X 4-HOUR PAPER (OPEN BOOK) ± 36 hours

Introduction to the management of technology, managing technology, technology strategy, innovation and creativity, technology planning and project management, research and development, transfer of technology, entrepreneurship, information management, international trends.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: MANAGERIAL ECONOMICS MNE501T 1 X 4-HOUR PAPER (OPEN BOOK) ± 36 hours

Economic model of the firm, revenue and demand analysis, elasticity, production cost and analysis, estimation demand and cost, profitability analysis, profit maximisation, market structure and competition, pricing strategies, decision and risk analysis.

MANAGERIAL FINANCE MGF501T 1 X 4-HOUR PAPER (OPEN BOOK) ± 36 hours

Objectives of managerial finance, cost analysis and behaviour patterns, costing systems and cost allocation, budget planning and control, decision-making, performance budget planning and control, performance appraisal through statement analysis, activity-based accounting, strategic management accounting and control.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: MARKETING MANAGEMENT MMB501T 1 X 4-HOUR PAPER (OPEN BOOK) ± 36 hours

Overview, market segmentation, market information and research, product strategy, pricing strategy, distribution strategy, sales and selling, promotion strategy, planning and strategies.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: OPERATIONS MANAGEMENT OPE501T 1 X 4-HOUR PAPER (OPEN BOOK) ± 36 hours

External environment and stakeholders, the logistics concept, strategic approaches to logistics, operations and material flow, elements of a supply chain, inbound logistics, production requirements through purchasing, the production system, design and productivity, production planning and control, the impact of inventory on production, inventory management, outbound logistics, operations management in service industries.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: ORGANISATIONAL BEHAVIOUR OBE501T 1 X 4-HOUR PAPER (OPEN BOOK) ± 36 hours

Introduction and organisational behaviour concepts, communication, leadership, conflict, problem-solving and decision-making, performance management, job and organisational design, organisational development.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: ORGANISATIONAL LEADERSHIP V OHI500T 1 X 3-HOUR PAPER ± 175 hours

Leading of organisational behaviour. Leading of effective organisations. Integration and analysis of organisational behaviour.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: PERSONAL LEADERSHIP V PHI500T 1 X 3-HOUR PAPER ± 200 hours

The importance of personal leadership and factors influencing the leadership process, and leadership principles are explored, such as vision, morale, human relations, understanding others, increasing effectiveness and developing others.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: PROJECT MANAGEMENT PJG511T 1 X 4-HOUR PAPER (OPEN BOOK) ± 36 hours

Objectives of project management, planning projects, estimating for control, project organisation, project control.

QUALITY MANAGEMENT QMG501T 1 X 4-HOUR PAPER (OPEN BOOK) ± 36 hours

The challenge of quality, management vs. quality management, total quality management, improvement: steps, techniques and philosophies. Statistical principles and techniques, documentation systems, enhancing management for quality (planning, organising, leading, controlling), growth, technology and innovation, process and document ownership, ISO 900.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: RESEARCH DISSERTATION DIS501T DISSERTATION No formal tuition

Writing the dissertation. The foundation of the dissertation is the Research Methodology module.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: RESEARCH METHODOLOGY RMD101C 1 X 3-HOUR PAPER ± 36 hours

Research in business, scientific thinking, the research process, the research proposal, ethics in research, design strategies, measurement, scaling design, sampling design, secondary data sources. Surveying methods: communication with respondents, instruments for respondents, communication, observational studies, experimentation, data preparation and preliminary analysis, hypothesis testing, measures of association, multivariate analysis. Presenting results: written and oral reports.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: RESEARCH METHODOLOGY V RMD500B 1 X 3-HOUR PAPER ± 200 hours

Methodology of research, strategies, specialist research.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: STRATEGIC LEADERSHIP V SHI500T 1 X 3-HOUR PAPER ± 175 hours

Incorporating personal leadership, strategic management and the principles of change management to facilitate the emergence of true strategic leadership. Concepts are explored, such as the nature of strategic and organisational change, uncertainty, the learning organisation and complexity.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: TECHNOLOGICAL ENTREPRENEURSHIP TNO501T 1 X 4-HOUR PAPER (OPEN BOOK) ± 36 hours

Entrepreneurship in context, the entrepreneur, creativity, ideas, feasibility, growth strategies, electronics and the entrepreneur, family businesses, Entrepreneurship Day.

5.2 DEPARTMENT OF HOSPITALITY MANAGEMENT

5.2.1 MAGISTER TECHNOLOGIAE: FOOD AND BEVERAGE MANAGEMENT Qualification code: MTFB01

REMARKS

- a. Admission requirement(s):
- b. Selection criteria:

Duration:

Structure:

С

e.

S): A Baccalaureus Technologiae: Food and Beverage Management or an equivalent qualification. A student must have passed Research Methodology before registration.

Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a protocol is provisional and will be made official only if the protocol is approved by the Faculty Higher Degrees Committee. These procedures will be fully explained to prospective students during their personal interview.

- A minimum of one year and a maximum of three years. Students must re-register each year for this qualification.
- d. Presentation and campus: Pretoria Campus (research).

This qualification consists of a research project that has to be recorded in the form of a dissertation. Before the dissertation will be accepted for examination, an article, based on the research and approved by the supervisor, should have been submitted to a peer-evaluated, accredited journal and accepted. A draft version of the article, with acknowledgement of receipt by the journal, should be submitted with the dissertation.

f. Subject credits: Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
FBM500T	Dissertation: Food and Beverage Management	(1,000)
FBM500R	Dissertation: Food and Beverage Management (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

5.2.2 DOCTOR TECHNOLOGIAE: FOOD AND BEVERAGE MANAGEMENT Qualification code: DTFB01

R	E	MARKS	
a	-	Admission requirement(s):	A Magister Technologiae: Food and Beverage Management or an equivalent qualification.
b.	-	Selection criteria:	Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a protocol is provisional and will be made official only if the protocol is approved by the Faculty Higher Degrees Committee. These procedures will be fully explained to prospective students during their personal interview.

- c. Duration: A minimum of two years and a maximum of five years. Students must re-register each year for this gualification.
- d. Presentation and campus: Pretoria Campus (research).
- e. Structure: This qualification consists of a research project that has to be recorded in the form of a thesis. Before the thesis will be accepted for examination, an article, based on the research, should have been accepted by a peer-evaluated accredited journal (or a patent or artefact should have been successful). A draft version (approved by the supervisor) of a second article based on the research, with acknowledgement of receipt by a peer-evaluated accredited journal, should be submitted with the thesis.
- f. Subject credits: Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
FBM700T	Thesis: Food and Beverage Management	(2,000)
FBM700R	Thesis: Food and Beverage Management (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 2,000

5.2.3 MAGISTER TECHNOLOGIAE: FOOD AND NUTRITION Qualification code: MTFN96

a.	Admission requirement(s):	A Baccalaureus Technologiae: Food and Nutrition or an equivalent qualification. A student must have passed Research Methodology before registration.
b.	Selection criteria:	Selection is based on a personal interview with a departmental selection panel. Registration approved by the Faculty Higher Degrees Committee. These procedures will be fully explained to prospective students during their personal interview.
C.	Duration:	A minimum of one year and a maximum of three years. Students must re-register each year for this qualification.
d.	Presentation and campus:	Pretoria Campus (research).
e.	Structure:	This qualification consists of a research project that has to be recorded in the form of a dissertation. Before the dissertation will be accepted for examination, an article, based on the research and approved by the supervisor, should have been submitted to a peer-evaluated accredited journal and accepted. A draft version of the article, with acknowledgement of receipt by the journal, should be submitted with the
		dissertation
f.	Subject credits:	Subject credits are shown in brackets after each subject.

CODE SUBJECT

CREDIT

 FNU500T
 Dissertation: Food and Nutrition
 (1,000)

 FNU500R
 Dissertation: Food and Nutrition
 (0,000)

 (re-registration)
 (0,000)
 (0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

5.2.4 DOCTOR TECHNOLOGIAE: FOOD AND NUTRITION Qualification code: DTFN96

REMARKS

	a.	Admi	ssion requirement(s):	A Magister Te qualification.	chnologiae: Food and Nutrition or an equivalent
	b.	Selec	tion criteria:	Selection is b departmental approval of a only if the pro Committee. T prospective s	ased on a personal interview with a selection panel. Registration prior to the protocol is provisional and will be made official tocol is approved by the Faculty Higher Degrees hese procedures will be fully explained to tudents during their personal interview.
	c.	Durat	ion:	A minimum of Students mus	f two years and a maximum of five years. st re-register each year for this qualification.
	d.	Prese	entation and campus:	Pretoria Cam	pus (research).
	e.	Struc	ture:	This qualifica be recorded i accepted for should have t journal (or a p A draft versio article based receipt by a p submitted wit should take p	tion consists of a research project that has to in the form of a thesis. Before the thesis will be examination, an article, based on the research, been accepted by a peer-evaluated accredited batent or artefact should have been successful). In (approved by the supervisor) of a second on the research, with acknowledgement of beer-evaluated accredited journal, should be in the thesis. A successful defence of the thesis lace before the degree will be conferred.
	f.	Subj	ect credits:	Subject credit	ts are shown in brackets after each subject.
	COE	DE	SUBJECT		CREDIT
	FNU FNU	1700T 1700R	Thesis: Food and Nu Thesis: Food and Nu (re-registration)	trition trition	(2,000) (0,000)
	тот	AL CR	EDITS FOR THE QUA	ALIFICATION:	2,000
5.2.5	MA		ER TECHNOLOG	GIAE: TOUF	RISM AND HOSPITALITY

Qualification code: MTTH99

REMARKS

a. Admission requirement(s):

Any relevant baccalaureus technologiae or an equivalent qualification. A student must have passed Research Methodology before registration.

- b. Selection criteria: Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a protocol is provisional and will be made official only if the protocol is approved by the Faculty Higher Degrees Committee. These procedures will be fully explained to prospective students during their personal interview.
- c. Duration: A minimum of one year and a maximum of three years. Students must re-register each year for this qualification.
- d. Presentation and campus: Pretoria Campus (research).
- e. Structure: This qualification consists of a research project that has to be recorded in the form of a dissertation. Before the dissertation will be accepted for examination, an article, based on the research and approved by the supervisor, should have been submitted to a peer-evaluated accredited journal. A draft version of the article, with acknowledgement of receipt by the journal, should be submitted with the dissertation.

f. Subject credits: Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
THT500T THT500R	Dissertation: Hospitality Dissertation: Hospitality (re-registration)	(1,000) (0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

5.3 DEPARTMENT OF MANAGEMENT AND ENTREPRENEURSHIP

5.3.1 MAGISTER TECHNOLOGIAE: ENTREPRENEURSHIP (Structured) Qualification code: MTEU02

a.	Admission requirement(s):	Any Baccalaureus Technologiae or an equivalent qualification. Prospective students, who do not possess the necessary academic qualifications but have relevant work experience, may be still admitted based on the principle of recognition of prior learning (RPL). Information about this may be obtained from the Head of the Department.
b.	Selection criteria:	Admission is subject to selection. It should be clearly understood that possession of the required qualifications does not guarantee acceptance for the Magister Technologiae. Students may be required to meet additional requirements, e.g. obtain additional subjects, take bridging programmes, do assignments, or the an oral or written examination before
		being admitted. The University reserves the right to request applicants to write a proficiency test. Computer literacy and access to the Internet are essential.
C.	Duration:	A minimum of eighteen months and a maximum of three years.
d.	Presentation and campus:	Pretoria Campus (evening classes).

- Subject credits:
- Subject credits are shown in brackets after each subject.

ATTENDANCE

CODE	SUBJECT		CREDIT
ERP500T	Research Repor	t:	(0,500)
ERP500R	Research Report: Entrepreneurship V (re-registration)		(0,000)
FIRST SEN	IESTER		
ETQ50AT FFE501T RMD50AE	Entrepreneurship Finance for Entre Research Metho	o Techniques VA epreneurs V dology A	(0,100) (0,050) (0,100)
SECOND S	EMESTER		
ETQ50BT TEI501T	Entrepreneurship Technological Er	o Techniques VB htrepreneurship	(0,100) (0,050)
RMD50BE	Research Metho	dology B	(0,100)
TOTAL CR	EDITS FOR THE	QUALIFICATION:	1,000

5.3.2 SUBJECT INFORMATION

Syllabus content subject to change to accommodate industry changes.

SUBJECT NAME: SUBJECT CODE: **EVALUATION METHOD:** TOTAL TUITION TIME:

ENTREPRENEURSHIP TECHNIQUES VA ETQ50AT 1 X 4-HOUR PAPER (OPEN BOOK) ±54 hours

OVERVIEW OF SYLLABUS:

The integration of entrepreneurship techniques to identify and establish general postulates or principles underlying the enabling business environment. Specific topics of interest include entrepreneurial education and research, network management, ownership and entrepreneurial gualities, entrepreneurship ranking, entrepreneurial behaviour and motivation, and information processing.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS:

ENTREPRENEURSHIP TECHNIQUES VB ETQ50BT PROJECT ±54 hours

Compare and integrate various entrepreneurial processes and theories that surround an entrepreneurial initiative and apply it to different business contexts. The content includes entrepreneurial relationship, resource based, and cognitive theories. The theories are synthesised and applied to the process of entrepreneurial behaviour and innovation, business clustering, business planning and business development.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: FINANCE FOR ENTREPRENEURS V **FFF501T** 1 X 3-HOUR PAPER (OPEN BOOK) Not available

Students acquire the skills to evaluate the financial sustainability of a business.

RESEARCH METHODOLOGY A RMD50AE 1 X 4-HOUR PAPER (OPEN BOOK) Not available

The purpose of this instructional offering is to prepare students to write dissertations.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: RESEARCH METHODOLOGY B RMD50BF 1 X 4-HOUR PAPER (OPEN BOOK) Not available

The purpose of this instructional offering is to prepare students to write dissertations.

SUBJECT NAME:

SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: TECHNOLOGICAL ENTREPRENEURSHIP AND INNOVATION V **TEI501T** 1 X 4-HOUR PAPER (OPEN BOOK) Not available

Entrepreneurship in context; the entrepreneur; creativity; ideas to innovation; opportunity identification and assessment; leadership and entrepreneurial teams; new venture resources requirements and business feasibility; legal issues and start-p entities; growth and exit strategies; technology and the entrepreneur; business planning and business finance; marketing and operations; family business and financing.

5.4 DEPARTMENT OF MARKETING, LOGISTICS AND SPORT MANAGEMENT

MAGISTER TECHNOLOGIAE: LOGISTICS 5.4.1 Qualification code: MTLO97

a.	Admission requirement(s):	A Baccalaureus Technologiae: Logistics or an equivalent qualification. A student must have passed Research Methodology before registration.	
b.	Selection criteria:	An interview with an admission committee.	
C.	Duration:	A minimum of one year and a maximum of three years.	
d.	Presentation and campus:	Pretoria Campus (research).	
e.	Subject credits:	Subject credits are shown in brackets after each subject.	
COD	SUBJECT	CREDIT	
LGS LGS	500T Dissertation: Logistics 500R Dissertation: Logistics (re-registration)	(1,000) (0,000)	
тот	AL CREDITS FOR THE QUA	LIFICATION: 1,000	

5.4.2 DOCTOR TECHNOLOGIAE: LOGISTICS Qualification code: DTLO97

REMARKS

	a. Admission requirement(s):		(s): A Magister Te qualification.	chnologiae: Logistics or an equivalent	
	b.	Selec	tion criteria:	An interview v	vith an admission committee.
	c. Duration:			A minimum of	two years and a maximum of five years.
	d. Presentation and campus:			us: Pretoria Cam	pus (research).
	e.	e. Subject credits:		Subject credit	s are shown in brackets after each subject.
	COL	DE	SUBJECT		CREDIT
	LGS LGS	700T 700R	Thesis: Logistics Thesis: Logistics	(re-registration)	(2,000) (0,000)
TOTAL CREDITS FOR THE QUA			EDITS FOR THE	QUALIFICATION:	2,000

5.4.3 MAGISTER TECHNOLOGIAE: MARKETING Qualification code: MTMK95

REMARKS

a.	Admis	ssion requirement(s):	A Baccalaure qualification. Methodology	us Technologiae: Marketing or an equivalent A student must have passed Research before registration.
b.	Selec	tion criteria:	A structured i candidate will criteria: Previous Certificat Motivatio A researc	nterview with a selection committee. The , inter alia, be judged according to the following academic performance e of conduct n for further studies ch proposal, which has to be submitted
C.	Durat	ion:	A minimum of	one year and a maximum of three years.
d.	Prese	entation and campus:	Pretoria Cam	pus (research).
e.	Subje	ct credits:	Subject credit	s are shown in brackets after each subject.
COE	DE	SUBJECT		CREDIT
MRH MRH	(500T (500R	Dissertation: Marketin Dissertation: Marketin (re-registration)	g	(1,000) (0,000)
тот	AL CR	EDITS FOR THE QUA	LIFICATION:	1,000

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5.4.4 DOCTOR TECHNOLOGIAE: MARKETING Qualification code: DTMK96

REMARKS

- a. Admission requirement(s): A Magister Technologiae: Marketing or an equivalent qualification.
- b. Selection criteria: A structured interview with a selection committee. The candidate will, inter alia, be judged according to the following criteria:
 - Previous academic performance
 - Certificate of conduct
 - Motivation for further studies
 - A research proposal, which has to be submitted
- c. Duration: A minimum of two years and a maximum of five years.
- d. Presentation and campus: Pretoria Campus (research).
- e. Subject credits: Subject credits are shown in brackets after each subject.

CODESUBJECTCREDITMRK710TThesis: Marketing(2,000)MRK710RThesis: Marketing (re-registration)(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 2,000

5.4.5 MASTER'S DIPLOMA IN TECHNOLOGY: PARKS AND RECREATION MANAGEMENT Qualification code: MDPK92

REMARKS

- a. Admission requirement(s): Any Baccalaureus Technologiae or an equivalent qualification.
- b. Selection criteria: All applications are subject to selection.
- c. Duration: A minimum of one year and a maximum of three years.
- d. Presentation and campus: Pretoria Campus (research).
- e. Subject credits: Subject credits are shown in brackets after each subject.

CREDIT

CODE SUBJECT

PRA500T	Research Project and Dissertation: Parks and Recreation Management	(1,000)
PRA500R	Research Project and Dissertation: Parks and Recreation Management (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

5.5 DEPARTMENT OF OFFICE MANAGEMENT AND TECHNOLOGY

5.5.1 MAGISTER TECHNOLOGIAE: OFFICE MANAGEMENT AND TECHNOLOGY Qualification code: MTOM96

REMARKS

Duration:

c.

a. Admission requirement(s): A Ba

(s): A Baccalaureus Technologiae: Office Management and Technology or an equivalent qualification. A student must have passed Research Methodology before registration.

- b. Selection criteria: Admission is subject to selection.
 - A minimum of one year and a maximum of three years.
- d. Presentation and campus: Pretoria Campus (research).
- e. Subject credits: Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
OMT500T	Dissertation: Office Management and Technology	(1,000)
OMT500R	Dissertation: Office Management and Technology (re-registration)	(0,000)
TOTAL CR	EDITS FOR THE QUALIFICATION:	1,000

5.6 DEPARTMENT OF OPERATIONS MANAGEMENT

5.6.1 MAGISTER TECHNOLOGIAE: OPERATIONS MANAGEMENT Qualification code: MTOS04

a.	Admission requirement(s):	A Baccalaureus Technologiae: Operations Management or an equivalent qualification. A student must have passed Research Methodology before registration.
b.	Selection criteria:	Admission is subject to selection.
С.	Duration:	A minimum of one year and a maximum of three years.
d.	Presentation and campus:	Pretoria Campus (research). In the dissertation, the student has to prove that he or she understands a particular problem in the industry in which he or she has done research, that he or she can analyse and set it out logically, arrive at logical conclusions or a diagnosis, and make proposals for the
		solution or the elimination of the problem. The dissertation has to comply with the usual general technical requirements and rules regarding scope, quality and layout. The chosen research theme should be based on one or more prerequisite Level IV subjects.
e.	Subject credits:	Subject credits are shown in brackets after each subject.

CREDIT

OPN500T	Dissertation: Operations	(1,000)
	Management	
OPN500R	Dissertation: Operations	(0,000)
	Management (re-registration)	

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

5.7 DEPARTMENT OF PEOPLE MANAGEMENT AND DEVELOPMENT

5.7.1 MAGISTER TECHNOLOGIAE: CONTACT CENTRE MANAGEMENT Qualification code: MTCC01

REMARKS

a.	Admission requirement(s):	A Baccalaureus or an equivalen Research Meth	s Technologiae: Contact Centre Management It qualification. A student must have passed odology before registration.
b.	Selection criteria:	Admission is su	ubject to selection.
C.	Duration:	A minimum of one year and a maximum of three years.	
d.	Presentation and campus:	Pretoria Campu	us (research).
e.	Subject credits:	Subject credits	are shown in brackets after each subject.
сор	E SUBJECT		CREDIT
ССС	500T Dissertation: Contact	Centre	(1,000)
CCC	500R Dissertation: Contact (Management (re-regis	Centre (tration)	(0,000)
тот	AL CREDITS FOR THE QUA	LIFICATION: '	1,000

5.7.2 DOCTOR TECHNOLOGIAE: CONTACT CENTRE MANAGEMENT Qualification code: DTCC01

Admission requirement(s):	A Magister Technologiae: Contact Centre Management or an equivalent qualification.	
Selection criteria:	Admission is subject to selection.	
Duration:	A minimum of two years and a maximum of five years.	
Presentation and campus:	Pretoria Campus (research).	
Subject credits:	Subject credits are shown in brackets after each subject.	
	Admission requirement(s): Selection criteria: Duration: Presentation and campus: Subject credits:	
CODE	SUBJECT	CREDIT
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CCC700T	Thesis: Contact Centre Management	(2,000)
CCC700R	Thesis: Contact Centre Management (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 2,000

5.7.3 MAGISTER TECHNOLOGIAE: HUMAN RESOURCES MANAGEMENT Qualification code: MTHR95

REMARKS

a. Admission requirement(s): A Ba Man have		A Baccalaureu Management have passed I	A Baccalaureus Technologiae: Human Resources Management or an equivalent qualification. A student must nave passed Research Methodology before registration.		
	b.	Selec	tion criteria:	Admission is a	subject to selection.
	C.	Durati	ion:	A minimum of	one year and a maximum of three years.
	d.	Prese	ntation and campus:	Pretoria Camp	ous (research).
	e.	Subje	ct credits:	Subject credit	s are shown in brackets after each subject.
	COD	E	SUBJECT		CREDIT
	HRM	1500T	Dissertation: Human F	Resources	(1,000)
HRM500R Dissertation: Human F Management (re-regis		Resources stration)	(0,000)		
TOTAL CREDITS FOR THE QUALIFICA		LIFICATION:	1,000		

5.7.4 DOCTOR TECHNOLOGIAE: HUMAN RESOURCES MANAGEMENT Qualification code: DTHR95

a.	Admission requirement(s):	A Magister Te an equivalent	chnologiae: Human Resources Management or qualification.		
b.	Selection criteria:	Admission is	subject to selection.		
C.	Duration:	A minimum of	two years and a maximum of five years.		
d.	Presentation and campus:	Pretoria Cam	pus (research).		
e.	Subject credits:	Subject credit	s are shown in brackets after each subject.		
COE	E SUBJECT		CREDIT		
HRN	1700T Thesis: Human Reson	urces	(2,000)		
HRN	1700R Thesis: Human Reso Management (re-regis	urces stration)	(0,000)		
тот	AL CREDITS FOR THE QUA	LIFICATION:	2,000		

5.7.5 MAGISTER TECHNOLOGIAE: HUMAN RESOURCE DEVELOPMENT (Structured) Qualification code: MTHDS0

REMARKS

Please note: This programme will be offered only if there is a sufficient number of students.

a.	Admission requirement(s):	A Baccalaureus Technologiae: Human Resource Development or an equivalent qualification. A student must have passed Research Methodology before registration.
b.	Selection:	Admission is subject to selection.
C.	Duration:	A minimum of one year and a maximum of three years.
d.	Presentation and campus:	Pretoria Campus (evening classes).

e. Subject credits: Subject credits are shown in brackets after each subject.

YEAR SUBJECTS

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CODE	SUBJECT		CREDIT
AST500T	Advanced Strategic Manag	gement V	(0,200)
HRT501T	Research Report: Human	Resource	(0,500)
	Development V		
HRT501R	Research Report: Human	Resource	(0,000)
	Development V (re-registra	ation)	
RMD100T	Research Methodology		(0,100)
TDG500T	Training and Development		(0,200)
	Strategies V		

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

5.7.6 MAGISTER TECHNOLOGIAE: HUMAN RESOURCE DEVELOPMENT Qualification code: MTHD01

a.	Admission requirement(s):	A Baccalaureus Technologiae: Human Resource Development or an equivalent qualification. A student must have passed Research Methodology before registration.			
b.	Selection criteria:	Admission is subject to selection.			
C.	Duration:	A minimum of one year and a maximum of three years.			
d.	Presentation and campus:	Pretoria Campus (research).			
e.	Subject credits:	Subject credits are shown in brackets after each subject.			
COL	DE SUBJECT	CREDIT			
HRT	500T Dissertation: Human I	Resource (1,000)			
HRT500R Dissertation: Human F Development (re-regis		Resource (0,000) stration)			
TOTAL CREDIT FOR THE QUALIFIC		IFICATION: 1,000			

5.7.7 DOCTOR TECHNOLOGIAE: HUMAN RESOURCE DEVELOPMENT Qualification code: DTHD96

REMARKS

a.	. Admission requirement(s):		A Magister Technologiae: Human Resource Development or an equivalent qualification.			
b.	Seleo	ction criteria:	Admission is	Admission is subject to selection.		
C.	Dura	tion:	A minimum of	A minimum of two years and a maximum of five years.		
d.	. Presentation and campus: Pre		Pretoria Cam	Pretoria Campus (research).		
e.	Subje	ect credits:	Subject credit	s are shown in brackets after each subject.		
CODE SUBJECT			CREDIT			
HRT700T Thesis: Human Resou		urce	(2,000)			
HRT700R Thesis: Human Resour Development (re-regist		urce stration)	(0,000)			
TOTAL CREDITS FOR THE QUALIFICATION:		ALIFICATION:	2,000			

5.7.8 MAGISTER TECHNOLOGIAE: LABOUR RELATIONS MANAGEMENT (Structured) Qualification code: MTLMS0

REMARKS

Please note: This programme will be offered only if there is a sufficient number of students.

a.	Admission requirement(s):	A Baccalaureus Technologiae: Labour Relat or an equivalent qualification. A student mus Research Methodology before registration.	tions Management st have passed
b.	Selection:	Admission is subject to selection.	

- c. Duration: A minimum of one year and a maximum of three years.
- d. Presentation and campus: Pretoria Campus (evening or block-based classes).
- e. Subject credits: Subject credits are shown in brackets after each subject.

YEAR SUBJECTS

CODE	SUBJECT	CREDIT	PREREQUISITE SUBJECT(S)
ALC500T	Advanced Labour Relations	(0,125)	Labour Relations Management
AVC500T	Advanced Collective Bargaining V	(0,125)	Collective Bargaining and Negotiation
FLR500T	Foundation of Labour Relations Theory V	(0,125)	Labour Relations Management
LRM501T	Research Report: Labour Relations Management V	(0,500)	

LRM501R	Research Report: Labour Relations	(0,000)
	Management V (re-registration)	

SLT500T	Strategic Labour Relations	,	(0,125)
	Management V		

Labour Relations Management

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

5.7.9 MAGISTER TECHNOLOGIAE: LABOUR RELATIONS MANAGEMENT Qualification code: MTLM01

REMARKS

	a.	Admi	ssion requirement(s):	A Baccalaurer or an equivale Research Me	us Techno ent qualific thodology	logiae: Labour Relations Management ation. A student must have passed before registration.	
	b.	Selec	tion:	Admission is	subject to	selection.	
	C.	Durat	ion:	A minimum of	A minimum of one year and a maximum of three years.		
	d.	Prese	entation and campus:	Pretoria Cam	ous (resea	arch).	
	e.	Subje	ect credits:	Subject credit	s are show	wn in brackets after each subject.	
	COD	E	SUBJECT		CREDIT		
	LRM	500T	Dissertation: Labour F	Relations	(1,000)		
LRM500R Dissertation: Labour F Management (re-regis		Relations stration)	(0,000)				
TOTAL CREDITS FOR THE QUALI		LIFICATION:	1,000				

5.7.10 DOCTOR TECHNOLOGIAE: LABOUR RELATIONS MANAGEMENT Qualification code: DTLM01

REMARKS

a.	Admission requirement(s):	A Magister Technologiae: Labour Relations Management or an equivalent qualification.
b.	Selection criteria:	Admission is subject to selection.
C.	Duration:	A minimum of two years and a maximum of five years.
d.	Presentation and campus:	Pretoria Campus (research).
e.	Subject credits:	Subject credits are shown in brackets after each subject.
COL	DE SUBJECT	CREDIT
LRM	1700T Thesis: Labour Relation	ons (2,000)
LRM	1700R Thesis: Labour Relation Management (re-registed)	ons (0,000) stration)
тот	AL CREDIT FOR THE QUAL	IFICATION: 2,000

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5.7.11 SUBJECT INFORMATION

Syllabus content subject to change to accommodate industry changes.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: **OVERVIEW OF SYLLABUS:** ADVANCED COLLECTIVE BARGAINING V AVC500T **1 X 3-HOUR PAPER** + 48 hours

Current South African trends, institutions, strikes, parties, wage levels, ILO guidelines.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: ADVANCED LABOUR RELATIONS PRACTICE V AI C500T **1 X 3-HOUR PAPER** ± 30 hours

Current trends in labour relations, discipline, outsourcing, grievances, equity and ILO guidelines.

SUBJECT NAME: SUBJECT CODE: **EVALUATION METHOD:** TOTAL TUITION TIME: **OVERVIEW OF SYLLABUS:**

ADVANCED STRATEGIC MANAGEMENT V AST500T 1 X 4-HOUR PAPER (OPEN BOOK) ± 30 hours

The development of strategic management functions with the emphasis on corporate, international and applied principles.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: **OVERVIEW OF SYLLABUS:**

FOUNDATION OF LABOUR RELATIONS THEORY V FI R500T **1 X 3-HOUR PAPER** ± 160 hours

Free enterprise, Dunlop, Chamberlain, Marxism, socialism, democracy and ILO objectives.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS:

RESEARCH METHODOLOGY RMD100L, RMD100T **1 X 3-HOUR PAPER** ± 64 hours

Students acquire the skills to use research statistics and complete research projects.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: STRATEGIC LABOUR RELATIONS MANAGEMENT V SLT500T **1 X 3-HOUR PAPER** ±40 hours

Environmental influences, politics, union ideologies, globalisation, workforce shifts and HIV/Aids.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS:

TRAINING AND DEVELOPMENT STRATEGIES V TDG500T 1 X 3-HOUR PAPER ±40 hours

International training strategies, strategic positioning of training, policy, planning.

5.8 DEPARTMENT OF TOURISM MANAGEMENT

5.8.1 MAGISTER TECHNOLOGIAE: ADVENTURE TOURISM MANAGEMENT Qualification code: MTAV99

REMARKS

a.	Admis	ssion requirement(s):	A Baccalaure Management have passed I	us Technologiae: Adventure Tourism or an equivalent qualification. A student must Research Methodology before registration.
b.	b. Selection criteria:		Admission is a	subject to selection.
C.	c. Duration:		A minimum of	one year and a maximum of three years.
d.	d. Presentation and campus:		Pretoria Campus (research).	
e.	Subje	ect credits:	Subject credit	s are shown in brackets after each subject.
COD	E	SUBJECT		CREDIT
ADU	500T	Dissertation: Adventur	re Tourism	(1,000)
ADU	500R	Dissertation: Adventur Management (re-regis	re Tourism stration)	(0,000)
TOT	AL CR	EDITS FOR THE QUA	LIFICATION:	1,000

5.8.2 DOCTOR TECHNOLOGIAE: ADVENTURE TOURISM MANAGEMENT Qualification code: DTAV99

REMARKS	
a. Admission requirement(s)	A Magister Technologiae: Adventure Tourism Management, or an equivalent qualification.
b. Selection criteria:	Admission is subject to selection.
c. Duration:	A minimum of two years and a maximum of five years.
d. Presentation and campus	Pretoria Campus (research).
e. Subject credits:	Subject credits are shown in brackets after each subject.
CODE SUBJECT	CREDIT
ADU700T Thesis: Adventure Management ADU700R Thesis: Adventure Management (re-re	Tourism (2,000) Tourism (0,000) gistration) JALIFICATION:

5.8.3 MAGISTER TECHNOLOGIAE: ECOTOURISM MANAGEMENT Qualification code: MTEK01

a. Adm	ission requirement(s):	A Baccalaure an NQF level Management	us Technologiae: Ecotourism 7 bachelor's or honours degr from a South African universi	Management or ee in Ecotourism ty.
		Holders of an qualifications advance (± si Foreign stude of their qualifi Authority (SA these qualific for admission may be requi	y other equivalent South Afric may also be considered, but v ix months) for recognition of su- ents will be required to submit ications by the South African C QA). The Faculty reserves the ations and the applicant's suit to the programme. Proof of E red.	an or foreign will have to apply in uch qualifications. an evaluation Qualifications e right to assess ability/competence inglish proficiency
		Depending or the completion	n the nature of such an equiva n of certain additional subject	llent qualification, s may be required.
		In addition, a complete Res was not inclu	prospective student should su search Methodology in the firs ded in a previous qualification	iccessfully t year of study if it
b. Sele	ction criteria:	Selection is b departmental approval of a made official Faculty Highe	ased on a personal interview selection panel. Registration research proposal is provision only when the proposal is app or Degrees Committee.	with a prior to the nal and will be roved by the
		These proced student during	dures will be fully explained to g his or her personal interview	each prospective
c. Dura	tion:	A minimum or Students hav	f one year and a maximum of e to re-register annually for the	three years. is qualification.
d. Pres	entation and campus:	Pretoria Cam	pus (research).	
e. Struc	oture:	This qualifica of a dissertati dissertation w one scientific has to be har publication in The student h dissertation.	tion consists of a research pro- tion. Before the final assessme vill be considered, the manuso paper, which is a requirement ided in. It has to be ready for a peer-reviewed journal (pref- has to present a colloquium be	ject in the form int report of the ript of at least for the degree, submission for erably accredited). fore submitting the
f. Subj	ect credits:	Subject credit	ts are shown in brackets after	each subject.
CODE	SUBJECT		CREDIT	
ETM500T ETM500R	Dissertation: Ecotouri Dissertation: Ecotouri (re-registration)	sm sm	(1,000) (0,000)	
TOTAL CF	REDITS FOR THE QUA	ALIFICATION:	1,000	

5.8.4 MAGISTER TECHNOLOGIAE: TOURISM AND HOSPITALITY MANAGEMENT Qualification code: MTTH99

REMARKS

a.	Admission requirement(s):	A relevant Baccalaureus Technologiae or an equivaler	
		qualification. A student must have passed Research	
		Methodology before registration.	

- b. Selection criteria: Admission is subject to selection.
- c. Duration: A minimum of one year and a maximum of three years.
- d. Presentation and campus: Pretoria Campus (research).
- e. Subject credits: Subject credits are shown in brackets after each subject.

CODE SUBJECT

CREDIT (1,000)

(0,000)

TOU500T Dissertation: Tourism TOU500R Dissertation: Tourism (re-registration)

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

6. FACULTY OF SCIENCE

6.1 ADELAIDE TAMBO SCHOOL OF NURSING SCIENCE

6.1.1 MAGISTER TECHNOLOGIAE: NURSING Qualification code: MTNG98

REMARKS

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Duration:

Structure:

Subject credits:

a. Admission requirement(s):

A Baccalaureus Technologiae: Nursing or an NQF level 7 bachelor's or honours degree in Nursing from a South African university or nursing college, recognised by the South African Nursing Council as the minimum requirement to register as a Professional Nurse.

Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

In addition, a candidate should successfully complete Research Methodology in the first year of study if it was not included in a previous qualification.

Selection criteria: Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

These procedures will be fully explained to each prospective student during his or her personal interview.

A minimum of one year and a maximum of three years. Students have to re-register annually for this qualification.

Presentation and campus: Pretoria Campus (research).

This qualification consists of a research project in the form of a dissertation. Before the final assessment report of the dissertation will be considered, the manuscript of at least one scientific paper, which is a requirement for the degree, has to be handed in. It has to be ready for submission for publication in a peer-reviewed journal (preferably accredited). The student has to present a colloquium before submitting the dissertation.

Subject credits are shown in brackets after each subject.

CREDIT

NUR510T	Dissertation: Nursing	(1,000)
NUR510R	Dissertation: Nursing	(0,000)
	(re-registration)	

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

6.1.2 DOCTOR TECHNOLOGIAE: NURSING Qualification code: DTNG98

a.	Admission requirement(s):	A Magister Technologiae: Nursing or a NQF level 8 master's degree in Nursing from a South African university or nursing college.
		Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.
		Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.
b.	Selection criteria:	Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.
		These procedures will be fully explained to each prospective student during his or her personal interview.
C.	Duration:	A minimum of two years and a maximum of five years. Students have to re-register annually for this qualification.
d.	Presentation and campus:	Pretoria Campus (research).
e.	Structure:	This qualification consists of a research project in the form of a thesis. Before the final assessment report of the thesis will be considered at least two scientific articles, based on the
		research and approved by the supervisor, should have been submitted for publication to peer-reviewed journals (preferably accredited). Written proof that the journals have received the article(s) has to be handed in as part of the requirements for
		submitting the thesis. He or she should also successfully defend the thesis before the degree will be conferred.
f.	Subject credits:	Subject credits are shown in brackets after each subject.

CREDIT

NUR700TThesis: Nursing(2,000)NUR700RThesis: Nursing (re-registration)(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 2,000

6.2 DEPARTMENT OF ANIMAL SCIENCES

6.2.1 MAGISTER TECHNOLOGIAE: AGRICULTURE Qualification code: MTAP98

a.	Admission requirement(s):	A Baccalaureus Technologiae: Agriculture: Animal Production or a NQF level 7 bachelor's or honours degree in Agriculture with Animal Production as major subject from a South African university.
		Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.
		Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.
		In addition, a candidate should successfully complete Research Methodology in the first year of study if it was not included in a previous qualification.
b.	Selection criteria:	Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.
		These procedures will be fully explained to each prospective student during his or her personal interview.
С.	Duration:	A minimum of one year and a maximum of three years. Students have to re-register annually for this qualification.
d.	Presentation and campus:	Pretoria Campus (research).
e.	Structure:	This qualification consists of a research project in the form
		or a dissertation. Before the final assessment report of the dissertation will be considered, the manuscript of at least one scientific paper, which is a requirement for the degree, has to be handed in. It has to be ready for submission for publication in a peer-reviewed journal (preferably accredited). The student has to present a colloquium before submitting the dissertation.

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Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
DPS500T	Dissertation: Agriculture: Animal Production	(1,000)
DPS500R	Dissertation: Agriculture: Animal Production (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

6.2.2 DOCTOR TECHNOLOGIAE: AGRICULTURE Qualification code: DTAP98

a.	Admission requirement(s):	A Magister Technologiae: Agriculture or an NQF level 8 master's degree in Agriculture from a South African university.
		Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.
		Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.
b.	Selection criteria:	Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.
		These procedures will be fully explained to each prospective student during his or her personal interview.
C.	Duration:	A minimum of two years and a maximum of five years. Students have to re-register annually for this qualification.
d.	Presentation and campus:	Pretoria Campus (research).
e.	Structure:	This qualification consists of a research project in the form of a thesis. Before the final assessment report of the thesis will be considered, at least two scientific articles, based on the research and approved by the supervisor, should have been submitted for publication to peer-reviewed journals (preferably accredited). Written proof that the journals have received the
		article(s) has to be handed in as part of the requirements for the degree. The student has to present a colloquium before submitting the thesis. He or she should also successfully defend the thesis before the degree will be conferred.
f.	Subject credits:	Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
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DPS700T	Thesis: Agriculture: Animal	(2,000)
0007000	Production	(0,000)
DPS/UUR	Production (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 2,000

6.3 DEPARTMENT OF BIOMEDICAL SCIENCES

6.3.1 MAGISTER TECHNOLOGIAE: BIOMEDICAL TECHNOLOGY Qualification code: MTBM96

a.	Admission requirement(s):	A Baccalaureus Technologiae: Biomedical Technology or an NQF level 7 bachelor's or honours degree in Biomedical Sciences/Technology from a South African university.
		Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.
		Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.
		In addition, a candidate should successfully complete Research Methodology in the first year of study if it was not included in a previous qualification.
b.	Selection criteria:	Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.
		These procedures will be fully explained to each prospective student during his or her personal interview.
c.	Duration:	A minimum of one year and a maximum of three years. Students have to re-register annually for this qualification.
d.	Presentation and campus:	Arcadia Campus (research).
e.	Structure:	This qualification consists of a research project in the form of a dissertation. Before the final assessment report of the dissertation will be considered, the manuscript of at least one scientific paper, which is a requirement for the degree, has to be handed in. It has to be ready for submission for publication in a peer-reviewed journal (preferably accredited). The student has to present a colloquium before submitting the dissertation.

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Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
BIT500T	Dissertation: Biomedical	(1,000)
BIT500R	Dissertation: Biomedical Technology (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

6.3.2 DOCTOR TECHNOLOGIAE: BIOMEDICAL TECHNOLOGY Qualification code: DTBM96

a.	Admission requirement(s):	A Magister Technologiae: Biomedical Technology or an NQF level 8 master's degree in Biomedical Sciences/Technology from a South African university.
		Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.
		Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.
b.	Selection criteria:	Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.
		These procedures will be fully explained to each prospective student during his or her personal interview.
C.	Duration:	A minimum of two years and a maximum of five years. Students have to re-register annually for this qualification.
d.	Presentation and campus:	Arcadia Campus (research).
e.	Structure:	This qualification consists of a research project in the form of a thesis. Before the final assessment report of the thesis will be considered, at least two scientific articles, based on the research and approved by the supervisor, should have been submitted for publication to pear reviewed jourgels (proferably
		accredited by Written proof that the journals have received the article(s) has to be handed in as part of the requirements for the degree. The student has to present a colloquium before submitting the thesis. He or she should also successfully defend the thesis before the degree will be conferred.
f.	Subject credits:	Subject credits are shown in brackets after each subject.

CODE SUBJECT CREDIT

BIT700T	Thesis: Biomedical Technology	(2,000)
BIT700R	Thesis: Biomedical Technology	(0,000)
	(re-registration)	

TOTAL CREDITS FOR THE QUALIFICATION: 2,000

6.3.3 MAGISTER TECHNOLOGIAE: CLINICAL TECHNOLOGY Qualification code: MTCT98

a.	Admission requirement(s):	A Baccalaureus Technologiae: Clinical Technology or an NQF level 7 bachelor's or honours degree in Clinical Technology from a South African university.
		Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.
		Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.
		In addition, a candidate should successfully complete Research Methodology in the first year of study if it was not included in a previous qualification.
b.	Selection criteria:	Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.
		These procedures will be fully explained to each prospective student during his or her personal interview.
C.	Duration:	A minimum of one year and a maximum of three years. Students have to re-register annually for this qualification.
d.	Presentation and campus:	Arcadia Campus (research).
e.	Structure:	This qualification consists of a research project in the form of a dissertation. Before the final assessment report of the dissertation will be considered, the manuscript of at least one opiontific approximation is a requirement for the degree
		has to be handed in. It has to be ready for submission for publication in a peer-reviewed journal (preferably accredited). The student has to present a colloquium before submitting the dissertation.
f.	Subject credits:	Subject credits are shown in brackets after each subject.

CODE SUBJECT CREDIT

 CCY500T
 Dissertation: Clinical Technology
 (1,000)

 CCY500R
 Dissertation: Clinical Technology
 (0,000)

 (re-registration)
 (1,000)
 (0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

6.3.4 DOCTOR TECHNOLOGIAE: CLINICAL TECHNOLOGY Qualification code: DTCT98

a.	Admission requirement(s):	A Magister Technologiae: Clinical Technology or an NQF level 8 master's degree in Clinical Technology from a South African university.
		Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.
		Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.
b.	Selection criteria:	Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.
		These procedures will be fully explained to each prospective student during his or her personal interview.
C.	Duration:	A minimum of two years and a maximum of five years. Students have to re-register annually for this qualification.
d.	Presentation and campus:	Arcadia Campus (research).
e.	Structure:	This qualification consists of a research project in the form of a thesis. Before the final assessment report of the thesis will be considered at least two scientific articles, based on the
		research and approved by the supervisor, should have been submitted for publication to peer-reviewed journals (preferably accredited). Written proof that the journals have received the article(s) has to be handed in as part of the requirements for the degree. The student has to present a colloquium before submitting the thesis. He or she should also successfully defend the thesis before the degree will be conferred.
f.	Subject credits:	Subject credits are shown in brackets after each subject.

CREDIT

CCY700T	Thesis: Clinical Technology	(2,000)
CCY700R	Thesis: Clinical Technology	(0,000)
	(re-registration)	

TOTAL CREDITS FOR THE QUALIFICATION: 2,000

6.3.5 MAGISTER TECHNOLOGIAE: RADIOGRAPHY Qualification code: MTRG97

a.	Admission requirement(s):	A Baccalaureus Technologiae: Radiography: Diagnostic or an NQF level 7 bachelor's or honours degree in Radiography from a South African university.
		Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.
		Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.
		In addition, a candidate should successfully complete Research Methodology in the first year of study if it was not included in a previous qualification.
b.	Selection criteria:	Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.
		These procedures will be fully explained to each prospective student during his or her personal interview.
C.	Duration:	A minimum of one year and a maximum of three years. Students have to re-register annually for this qualification.
d.	Presentation and campus:	Arcadia Campus (research).
e.	Structure:	This qualification consists of a research project in the form of a dissertation. Before the final assessment report of the dissertation will be considered, the manuscript of at least one scientific paper which is a requirement for the degree
		has to be handed in. It has to be ready for submission for publication in a peer-reviewed journal (preferably accredited). The student has to present a colloquium before submitting the dissertation.
f.	Subject credits:	Subject credits are shown in brackets after each subject.

CREDIT

RGD500T Dissertation: Radiography (1,000) RGD500R Dissertation: Radiography (0,000) (re-registration)

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

6.3.6 DOCTOR TECHNOLOGIAE: RADIOGRAPHY Qualification code: DTRG97

a.	Admission requirement(s):	A Magister Technologiae: Radiography or an NQF level 8 master's degree in Radiography from a South African university.
		Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.
		Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.
b.	Selection criteria:	Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.
		These procedures will be fully explained to each prospective student during his or her personal interview.
C.	Duration:	A minimum of two years and a maximum of five years. Students have to re-register annually for this qualification.
d.	Presentation and campus:	Arcadia Campus (research).
e.	Structure:	This qualification consists of a research project in the form of a thesis. Before the final assessment report of the thesis will be considered at least two scientific articles, based on the
		research and approved by the supervisor, should have been submitted for publication to peer-reviewed journals (preferably accredited). Written proof that the journals have received the article(s) has to be handed in as part of the requirements for the degree. The student has to present a colloquium before
		submitting the thesis. He or she should also successfully defend the thesis before the degree will be conferred.
f.	Subject credits:	Subject credits are shown in brackets after each subject.

CREDIT

RGD700T	Thesis: Radiography	(2,000)
RGD700R	Thesis: Radiography	(0,000)
	(re-registration)	

TOTAL CREDITS FOR THE QUALIFICATION: 2,000

6.3.7 MAGISTER TECHNOLOGIAE: VETERINARY TECHNOLOGY Qualification code: MTVE96

a.	Admission requirement(s):	A Baccalaureus Technologiae: Veterinary Technology or an NQF level 7 bachelor's or honours degree in Veterinary Technology from a South African university.
		Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.
		Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.
		In addition, a candidate should successfully complete Research Methodology in the first year of study if it was not included in a previous qualification.
b.	Selection criteria:	Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.
		These procedures will be fully explained to each prospective student during his or her personal interview.
C.	Duration:	A minimum of one year and a maximum of three years. Students have to re-register annually for this qualification.
d.	Presentation and campus:	Arcadia Campus (research).
e.	Structure:	This qualification consists of a research project in the form of a dissertation. Before the final assessment report of the dissertation will be considered, the manuscript of at least one scientific paper which is a requirement for the degree
		has to be handed in. It has to be ready for submission for publication in a peer-reviewed journal (preferably accredited). The student has to present a colloquium before submitting the dissertation.
f.	Subject credits:	Subject credits are shown in brackets after each subject.

VTY500T	Dissertation: Veterinary	(1,000)
	Technology	
VTY500R	Dissertation: Veterinary	(0,000)
	Technology (re-registration)	

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

6.3.8 DOCTOR TECHNOLOGIAE: VETERINARY TECHNOLOGY Qualification code: DTVE96

a.	Admission requirement(s):	A Magister Technologiae: Veterinary Technology or an NQF level 8 master's degree in Veterinary Technology from a South African university.
		Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.
		Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.
b.	Selection criteria:	Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.
		These procedures will be fully explained to each prospective student during his or her personal interview.
C.	Duration:	A minimum of two years and a maximum of five years. Students have to re-register annually for this qualification.
d.	Presentation and campus:	Arcadia Campus (research).
e.	Structure:	This qualification consists of a research project in the form of a thesis. Before the final assessment report of the thesis will be considered, at least two scientific articles, based on the research and approved by the supervisor, should have been submitted for publication to peer-reviewed journals (preferably accredited). Written proof that the journals have received the
		article(s) has to be handed in as part of the requirements for the degree. The student has to present a colloquium before
		submitting the thesis. He or she should also successfully defend the thesis before the degree will be conferred.
f.	Subject credits:	Subject credits are shown in brackets after each subject.

CODE SUBJECT CREDIT

VTY700T	Thesis: Veterinary Technology	(2,000)
VTY700R	Thesis: Veterinary Technology	(0,000)
	(re-registration)	

TOTAL CREDITS FOR THE QUALIFICATION: 2,000

6.4 DEPARTMENT OF BIOTECHNOLOGY AND FOOD TECHNOLOGY

6.4.1 MAGISTER TECHNOLOGIAE: BIOTECHNOLOGY Qualification code: MTBT96

REMARKS

a.	Admission requirement(s):	A Baccalaureus Technologiae: Biotechnology or an NQF level 7 bachelor's or honours degree in Biotechnology or Microbiology from a South African university.
		Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.
		Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.
		In addition, a candidate should successfully complete Research Methodology in the first year of study if it was not included in a previous qualification.
b.	Selection criteria:	Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.
		These procedures will be fully explained to each prospective student during his or her personal interview.
С.	Duration:	A minimum of one year and a maximum of three years. Students have to re-register annually for this qualification.
d.	Presentation and campus:	Arcadia Campus (research).
e.	Structure:	This qualification consists of a research project in the form
		or a dissertation. Before the final assessment report of the dissertation will be considered, the manuscript of at least one scientific paper, which is a requirement for the degree, has to be handed in. It has to be ready for submission for publication in a peer-reviewed journal (preferably accredited). The student has to present a colloquium before submitting the dissertation.

129

Subject credits: f.

Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
BTY500T BTY500R	Dissertation: Biotechnology Dissertation: Biotechnology (re-registration)	(1,000) (0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

6.4.2 DOCTOR TECHNOLOGIAE: BIOTECHNOLOGY **Qualification code: DTBT96**

a.	Admission requirement(s):	A Magister Technologiae: Biotechnology or an NQF level 8 master's degree in Biotechnology or Microbiology from a South African university.
		Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.
		Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.
b.	Selection criteria:	Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.
		These procedures will be fully explained to each prospective student during his or her personal interview.
C.	Duration:	A minimum of two years and a maximum of five years. Students have to re-register annually for this qualification.
d.	Presentation and campus:	Arcadia Campus (research).
e.	Structure:	This qualification consists of a research project in the form of a thesis. Before the final assessment report of the thesis will be considered, at least two scientific articles, based on the research and approved by the supervisor, should have been submitted for publication to peer-reviewed journals (preferably accredited). Written proof that the journals have received the
		article(s) has to be handed in as part of the requirements for the degree. The student has to present a colloquium before submitting the thesis. He or she should also successfully defend the thesis before the degree will be conferred.
f.	Subject credits:	Subject credits are shown in brackets after each subject.

CREDIT

BTY700T	Thesis: Biotechnology	(2,000)
BTY700R	Thesis: Biotechnology	(0,000)
	(re-registration)	

TOTAL CREDITS FOR THE QUALIFICATION: 2,000

6.4.3 MAGISTER TECHNOLOGIAE: FOOD TECHNOLOGY Qualification code: MTFT96

a.	Admission requirement(s):	A Baccalaureus Technologiae: Food Technology or an NQF level 7 bachelor's or honours degree in Food Technology or Food Science from a South African university.
		Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualification from the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.
		Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.
		In addition, a candidate should successfully complete Research Methodology in the first year of study if it was not included in a previous qualification.
b.	Selection criteria:	Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.
		These procedures will be fully explained to each prospective student during his or her personal interview.
C.	Duration:	A minimum of one year and a maximum of three years. Students have to re-register annually for this qualification.
d.	Presentation and campus:	Arcadia Campus (research).
e.	Structure:	This qualification consists of a research project in the form of a dissertation. Before the final assessment report of the dissertation will be considered, the manuscript of at least one scientific paper, which is a requirement for the degree
		has to be handed in. It has to be ready for submission for publication in a peer-reviewed journal (preferably accredited). The student has to present a colloquium before submitting the dissertation.
f.	Subject credits:	Subject credits are shown in brackets after each subject.

CREDIT

FTN500T	Dissertation: Food Technology	(1,000)
FTN500R	Dissertation: Food Technology	(0,000)
	(re-registration)	

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

6.4.4 DOCTOR TECHNOLOGIAE: FOOD TECHNOLOGY Qualification code: DTFT96

a.	Admission requirement(s):	A Magister Technologiae: Food Technology or an NQF level 8 master's degree in Food Technology or Food Science from a South African university.
		Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.
		Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.
b.	Selection criteria:	Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.
		These procedures will be fully explained to each prospective student during his or her personal interview.
C.	Duration:	A minimum of two years and a maximum of five years. Students have to re-register annually for this qualification.
d.	Presentation and campus:	Arcadia Campus (research).
e.	Structure:	This qualification consists of a research project in the form of a thesis. Before the final assessment report of the thesis will be considered, at least two scientific articles, based on the
		research and approved by the supervisor, should have been submitted for publication to peer-reviewed journals (preferably accredited). Written proof that the journals have received the article(s) has to be handed in as part of the requirements for the degree. The atticate the present a cellemium before
		submitting the thesis. He or she should also successfully defend the thesis before the degree will be conferred.
f.	Subject credits:	Subject credits are shown in brackets after each subject.

CODE SUBJECT CREDIT

FTN700T	Thesis: Food Technology	(2,000)
FTN700R	Thesis: Food Technology	(0,000)
	(re-registration)	

TOTAL CREDITS FOR THE QUALIFICATION: 2,000

6.5 DEPARTMENT OF CHEMISTRY

6.5.1 MAGISTER TECHNOLOGIAE: CHEMISTRY Qualification code: MTCH95

a.	Admission requirement(s):	A Baccalaureus Technologiae: Chemistry or an NQF level 7 bachelor's or honours degree in Chemistry from a South African university.
		Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.
		Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.
		In addition, a candidate should successfully complete Research Methodology in the first year of study if it was not included in a previous qualification.
b.	Selection criteria:	Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.
		These procedures will be fully explained to each prospective student during his or her personal interview.
C.	Duration:	A minimum of one year and a maximum of three years. Students have to re-register annually for this qualification.
d.	Presentation and campus:	Arcadia Campus (research).
e.	Structure:	This qualification consists of a research project in the form
		dissertation will be considered, the manuscript of at least one scientific paper, which is a requirement for the degree, has to be handed in. It has to be ready for submission for publication in a peer-reviewed journal (preferably accredited). The student has to present a colloquium before submitting the dissertation.

f. Subject credits:

Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
CHE500T CHE500R	Dissertation: Chemistry Dissertation: Chemistry (re-registration)	(1,000) (0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

6.5.2 DOCTOR TECHNOLOGIAE: CHEMISTRY **Qualification code: DTCH96**

a.	Admission requirement(s):	A Magister Technologiae: Chemistry or an NQF level 8 master's degree in Chemistry from a South African university.		
		Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required		
		Depending on the nature of such an equivalent qualification		
		the completion of certain additional subjects may be required.		
b.	Selection criteria:	Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.		
		These procedures will be fully explained to each prospective		
		student during his of her personal interview.		
C.	Duration:	A minimum of two years and a maximum of five years. Students have to re-register annually for this qualification.		
d.	Presentation and campus:	Arcadia Campus (research).		
e.	Structure:	This qualification consists of a research project in the form of a thesis. Before the final assessment report of the thesis will		
		a deals. Determine a last two scientific articles, based on the research and approved by the supervisor, should have been submitted for publication to peer-reviewed journals (preferably accredited). Written proof that the journals have received the article(s) has to be handed in as part of the requirements for		
		the degree. The student has to present a colloquium before submitting the thesis. He or she should also successfully defend the thesis before the degree will be conferred.		
f.	Subject credits:	Subject credits are shown in brackets after each subject.		

CREDIT

CHE700T Thesis: Chemistry (2,000) CHE700R Thesis: Chemistry (re-registration) (0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 2,000

6.5.3 MAGISTER TECHNOLOGIAE: CERAMICS TECHNOLOGY Qualification code: MTCK98

REMARKS

a.	Admission requirement(s):	A Baccalaureus Technologiae: Ceramics Technology or an equivalent qualification. A student has to apply in advance for status to be granted or an equivalent qualification to be recognised.
		Depending on the nature of such equivalent qualification, the completion of certain additional subjects may be required.
		In addition, he or she should successfully complete Research Methodology in the first year of study if it was not taken for a previous qualification.
b.	Selection criteria:	Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a protocol is provisional and will be made official only when the protocol is approved by the Higher Degrees Committee. These procedures will be fully explained to each prospective student at his or her personal interview.
С.	Duration:	A minimum of one year and a maximum of three years. Students have to re-register annually for this qualification.
d.	Presentation and campus:	Arcadia Campus (research).
e.	Structure:	This qualification consists of a research project in the form of a dissertation. Before the final assessment report of the dissertation will be considered, the manuscript of at least one scientific paper, which is a requirement for the degree, has to be handed in. It has to be ready for submission for publication in a peer-reviewed journal (preferably accredited). The student has to present a colloquium before submitting the dissertation.
f.	Subject credits:	Subject credits are shown in brackets after each subject.
COE	E SUBJECT	CREDIT
CST	500T Dissertation: Ceramic	s (1,000)
CST	500R Dissertation: Ceramic Technology (re-registr	s (0,000) ration)
тот	AL CREDITS FOR THE QUA	LIFICATION: 1,000

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6.5.4 DOCTOR TECHNOLOGIAE: CERAMICS TECHNOLOGY Qualification code: DTCK98

REMARKS

a.	Admission requirement(s):		A Magister Technologiae: Ceramics Technology or an equivalent qualification. A student has to apply in advance for status to be granted or an equivalent qualification to be recognised.		
			Depending on the nature of such equivalent qualification, the completion of certain additional subjects may be required.		
b.	Selec	tion criteria:	Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a protocol is provisional and will be made official only when the protocol is approved by the Higher Degrees Committee. These procedures will be fully explained to each prospective student at his or her personal interview.		
C.	Durati	ion:	A minimum of two years and a maximum of five years. Students have to re-register annually for this qualification.		
d.	Presentation and campus:		Arcadia Campus (research).		
e.	e. Structure:		This qualification consists of a research project in the form of a thesis. Before the final assessment report of the thesis will be considered, at least two scientific articles, based on the research and approved by the supervisor, should have been submitted for publication to peer-reviewed journals (preferably accredited). Written proof that the journals have received the article(s) has to be handed in as part of the requirements for the degree. The student has to present a colloquium before submitting the thesis. He or she should also successfully defend the thesis before the degree will be conferred.		
f.	Subje	ct credits:	Subject credits are shown in brackets after each subject.		
СОД	Е	SUBJECT	CREDIT		
CST CST	700T 700R	Thesis: Ceramics Tech Thesis: Ceramics Tech	nology (2,000) nology (0.000)		

TOTAL CREDITS FOR THE QUALIFICATION: 2,000

(re-registration)

6.5.5 MAGISTER TECHNOLOGIAE: EXPLOSIVES TECHNOLOGY Qualification code: MTEX01

REMARKS

Admission requirement(s): A Baccalaureus Technologiae: Explosives Technology or an equivalent qualification. A student has to apply in advance for status to be granted or an equivalent qualification to be recognised.
 Depending on the nature of such equivalent qualification, the completion of certain additional subjects may be required.

In addition, he or she should successfully complete Research Methodology in the first year of study if it was not taken for a previous qualification.

- b. Selection criteria: Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a protocol is provisional and will be made official only when the protocol is approved by the Higher Degrees Committee. These procedures will be fully explained to each prospective student at his or her personal interview.
 - Duration: A minimum of one year and a maximum of three years. Students have to re-register annually for this gualification.

d. Presentation and campus: Arcadia Campus (research).

e. Structure:

c.

This qualification consists of a research project in the form of a dissertation. Before the final assessment report of the dissertation will be considered, the manuscript of at least one scientific paper, which is a requirement for the degree, has to be handed in. It has to be ready for submission for publication in a peer-reviewed journal (preferably accredited). The student has to present a colloquium before submitting the dissertation.

f. Subject credits: Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
EXL510T	Dissertation: Explosives Technology	(1,000)
EXL510R	Dissertation: Explosives Technology (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

6.5.6 DOCTOR TECHNOLOGIAE: EXPLOSIVES TECHNOLOGY Qualification code: DTEX01

REMARKS

a.		Admission requirement(s):	A Magister Technologiae: Explosives Technology or an equivalent qualification. A student has to apply in advance for status to be granted or an equivalent qualification to be recognised.		
			Depending on the nature of such equivalent qualification, the completion of certain additional subjects may be required.		
b		Selection criteria:	Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a protocol is provisional and will be made official only when the protocol is approved by the Higher Degrees Committee. These procedures will be fully explained to each prospective student at his or her personal interview.		
C.		Duration:	A minimum of two years and a maximum of five years. Students have to re-register annually for this qualification.		

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d. Presentation and campus: Arcadia Campus (research).

e. Structure: This qualification consists of a research project in the form of a thesis. Before the final assessment report of the thesis will be considered, at least two scientific articles, based on the research and approved by the supervisor, should have been submitted for publication to peer-reviewed journals (preferably accredited). Written proof that the journals have received the article(s) has to be handed in as part of the requirements for the degree. The student has to present a colloquium before submitting the thesis. He or she should also successfully defend the thesis before the degree will be conferred.

f. Subject credits: Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
EXL720T EXL720R	Thesis: Explosives Technology Thesis: Explosives Technology (re-registration)	(2,000) (0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 2,000

6.6 DEPARTMENT OF CROP SCIENCES

6.6.1 MAGISTER TECHNOLOGIAE: AGRICULTURE Qualification code: MTAL98

a.	Admission requirement(s):	A Baccalaureus Technologiae: Agriculture or an NQF level 7 bachelor's or honours degree in Agriculture from a South African university. Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required. Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required. In addition, the prospective student should successfully complete Research Methodology in the first year of study if it was not included in a previous qualification.
b.	Selection criteria:	Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee. These procedures will be fully explained to each prospective student during his or her personal interview.

	C.	Duration:	A minimum o Students hav	f one year and a maximum of three years. e to re-register annually for this qualification.
	d.	Presentation and camp	ous: Pretoria Cam	pus (research).
	e.	Structure:	This qualifica of a dissertati dissertation v one scientific has to be har publication in The student h dissertation.	tion consists of a research project in the form ion. Before the final assessment report of the vill be considered, the manuscript of at least paper, which is a requirement for the degree, ided in. It has to be ready for submission for a peer-reviewed journal (preferably accredited). has to present a colloquium before submitting the
	f.	Subject credits:	Subject credi	ts are shown in brackets after each subject.
	COL	DE SUBJECT		CREDIT
	PPC	C500T Dissertation: Ag	riculture: Crop	(1,000)
	PPC	2500R Dissertation: Ag Production (re-re	riculture: Crop egistration)	(0,000)
	тот	AL CREDITS FOR THE	QUALIFICATION:	1,000
6.6.2	DO Qua	CTOR TECHNOLO	OGIAE: AGRIC	ULTURE
	REI	MARKS		
	a.	Admission requiremen	t(s): A Magister Te master's deg university.	echnologiae: Agriculture or an NQF level 8 ree in Agriculture obtained from a South African
			Holders of an qualifications	y other equivalent South African or foreign may also be considered, but will have to apply in

b.

C.

Selection criteria:

Duration:

qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

These procedures will be fully explained to each prospective student during his or her personal interview.

A minimum of two years and a maximum of five years. Students have to re-register annually for this qualification.

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- d. Presentation and campus: Pretoria Campus (research).
- e. Structure: This qualification consists of a research project in the form of a thesis. Before the final assessment report of the thesis will be considered, at least two scientific articles, based on the research and approved by the supervisor, should have been submitted for publication to peer-reviewed journals (preferably accredited). Written proof that the journals have received the article(s) has to be handed in as part of the requirements for the degree. The student has to present a colloquium before submitting the thesis. He or she should also successfully defend the thesis before the degree will be conferred.
- f. Subject credits: Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
PPC700T	Thesis: Agriculture: Crop Production	(2,000)
PPC700R	Thesis: Agriculture: Crop Production (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 2,000

6.7 DEPARTMENT OF ENVIRONMENTAL HEALTH

6.7.1 MAGISTER TECHNOLOGIAE: ENVIRONMENTAL HEALTH Qualification code: MTEH95

a. Admission requirement(s):	A Baccalaureus Technologiae: Environmental He NQF level 7 bachelor's or honours degree in Env Public Health from a South African university.	alth or an ironmental o	or
	qualifications may also be considered, but will hand of advance (± six months) for recognition of such qu Foreign students will be required to submit an ev of their qualifications by the South African Qualifi Authority (SAQA). The Faculty reserves the right these qualifications and the applicant's suitability for admission to the programme. Proof of English may be required.	ve to apply ualifications. aluation cations to assess /competenco proficiency	in e
	Depending on the nature of such an equivalent q the completion of certain additional subjects may	ualification, be required	1.
	In addition, the prospective student should succe complete Research Methodology in the first year was not included in a previous qualification.	ssfully of study if it	t
b. Selection criteria:	Selection is based on a personal interview with a departmental selection panel. Registration prior t approval of a research proposal is provisional an made official only when the proposal is approved Faculty Higher Degrees Committee.	o the d will be by the	
	These procedures will be fully explained to each student during his or her personal interview.	prospective	
Fraulty of Sainna			

c. Duration:		A minimum of Students have	one year and a maximum of three years. e to re-register annually for this qualification.			
	d.	Prese	entation and camp	ous: Pretoria Cam	bus (research).	
	e. Structure:		This qualificat of a dissertati dissertation w one scientific has to be han publication in The student h dissertation.	This qualification consists of a research project in the form of a dissertation. Before the final assessment report of the dissertation will be considered, the manuscript of at least one scientific paper, which is a requirement for the degree, has to be handed in. It has to be ready for submission for publication in a peer-reviewed journal (preferably accredited). The student has to present a colloquium before submitting the dissertation.		
	f.	Subje	ect credits:	Subject credit	s are shown in brackets after each subject.	
	COL	DE	SUBJECT		CREDIT	
	EHT	500T	Dissertation: En	vironmental	(1,000)	
	EHT	500R	Dissertation: En Health (re-regist	vironmental ration)	(0,000)	
	тот	AL CR	EDITS FOR THE	QUALIFICATION:	1,000	

6.7.2 DOCTOR TECHNOLOGIAE: ENVIRONMENTAL HEALTH Qualification code: DTEH96

REMARKS

a.	Admission requirement(s):	A Magister Technologiae: Environmental Health or an NQF level 8 master's degree in Environmental or Public Health from a South African university.
		Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.
		Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.
b.	Selection criteria:	Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Servity lighter Decrease Committee
		These procedures will be fully explained to each prospective student during his or her personal interview.
c.	Duration:	A minimum of two years and a maximum of five years. Students have to re-register annually for this qualification.

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d. Presentation and campus: Pretoria Campus (research).

e. Structure: This qualification consists of a research project in the form of a thesis. Before the final assessment report of the thesis will be considered, at least two scientific articles, based on the research and approved by the supervisor, should have been submitted for publication to peer-reviewed journals (preferably accredited). Written proof that the journals have received the article(s) has to be handed in as part of the requirements for the degree. The student has to present a colloquium before submitting the thesis. He or she should also successfully defend the thesis before the degree will be conferred.

f. Subject credits: Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
EHT700T EHT700R	Thesis: Environmental Health Thesis: Environmental Health (re-registration)	(2,000) (0,000)
TOTAL CREDITS FOR THE QUALIFICATION 2.000		

6.8 DEPARTMENT OF ENVIRONMENTAL, WATER AND EARTH SCIENCES

6.8.1 MAGISTER TECHNOLOGIAE: ENVIRONMENTAL MANAGEMENT (Structured) Qualification code: MTEVS0

REMARKS

Please note: A moratorium was placed on new intakes as from 2008 until further notice.

a.	Admission requirement(s):	Any relevant four-year tertiary qualification. A student has to apply in advance for status to be granted or an equivalent qualification to be recognised. Depending on the nature of such equivalent qualification, the completion of certain additional subjects may be required.
		In addition, he or she should successfully complete Research Methodology in the first year of study if it was not taken for a previous qualification.
		Please note: This qualification is recommended for students with a relevant four-year tertiary qualification, other than the Baccalaureus Technologiae: Environmental Management or the Baccalaureus Technologiae: Environmental Sciences.
b.	Selection criteria:	Selection is based on a personal interview with a departmental selection panel. These procedures will be fully explained to each prospective student at his or her personal interview.
C.	Recommended subjects:	It is highly recommended that the student should have passed relevant environmental subjects during undergraduate studies and/or completed an environmental-related short learning programme beforehand.
d.	Duration:	A minimum of one year and a maximum of three years. Students have to re-register annually for this qualification.

- e. Presentation and campus: Arcadia Campus (block-based classes).
- f. Structure: This programme consists of subjects offered on a block basis and a research project in the form of a mini-dissertation (research report). In order to obtain a structured magister technologiae, the student has to pass all the relevant subjects and the mini-dissertation (research report) has to be accepted. The student has to present a colloquium before submitting the dissertation.
- g. Subject credits:

Subject credits are shown in brackets after each subject.

YEAR SUBJECTS

CODE	SUBJECT	CREDIT
ELE500T	Environmental Legislation V	(0,125)
EMG500T	Environmental Management V	(0,125)
EMG501T	Research Report: Environmental Management V	(0,500)
EMG501R	Research Report: Environmental Management V (re-registration)	(0,000)
	plus two of the following subjects	
ECC500T	Environmental Accounting V	(0,125)

ECC500T	Environmental Accounting V	(0,125)
ENC500T	Environmental Chemistry V	(0,125)
ERA500T	Environmental Risk Assessment V	(0,125)
GEH500T	Geohydrology V	(0,125)
TOTAL CREDITS FOR THE QUALIFICATION: 1,000		

6.8.2 MAGISTER TECHNOLOGIAE: ENVIRONMENTAL MANAGEMENT Qualification code: MTEV99

REMARKS

a. Admission requirement(s):

A Baccalaureus Technologiae: Environmental Sciences or Environmental Management or an NQF level 7 bachelor's or honours degree in Environmental Sciences, Environmental Management, Chemistry, Biotechnology, Ecology, Botany or Zoology from a South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

In addition, the prospective student should successfully complete Research Methodology in the first year of study if it was not included in a previous qualification.

- b. Selection criteria: Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.
 These procedures will be fully explained to each prospective student during his or her personal interview.
 c. Duration: A minimum of one year and a maximum of three years. Students have to re-register annually for this qualification.
- d. Presentation and campus: Arcadia Campus (research).
- e. Structure: This qualification consists of a research project in the form of a dissertation. Before the final assessment report of the dissertation will be considered, the manuscript of at least one scientific paper, which is a requirement for the degree, has to be handed in. It has to be ready for submission for publication in a peer-reviewed journal (preferably accredited). The student has to present a colloquium before submitting the dissertation.
- f. Subject credits: Subject credits are shown in brackets after each subject.

SUBJECT	CREDIT
Dissertation: Environmental	(1,000)
Dissertation: Environmental Management (re-registration)	(0,000)
	Dissertation: Environmental Management Dissertation: Environmental Management (re-registration)

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

6.8.3 DOCTOR TECHNOLOGIAE: ENVIRONMENTAL MANAGEMENT Qualification code: DTEV99

а.	Admission requirement(s):	A Magister Technologiae: Environmental Sciences or Environmental Management or an NQF level 8 master's degree in Environmental Sciences, Environmental Management, Chemistry, Biotechnology, Ecology, Botany or Zoology from a South African university.	
		Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these any engliged the angliged is a unified to complete the second	
		for admission to the programme. Proof of English proficiency may be required.	
		Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.	
- b. Selection criteria: Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.
 These procedures will be fully explained to each prospective student during his or her personal interview.
 c. Duration: A minimum of two years and a maximum of five years. Students have to re-register annually for this qualification.
- d. Presentation and campus: Arcadia Campus (research).

This qualification consists of a research project in the form of a thesis. Before the final assessment report of the thesis will be considered, at least two scientific articles, based on the research and approved by the supervisor, should have been submitted for publication to peer-reviewed journals (preferably accredited). Written proof that the journals have received the article(s) has to be handed in as part of the requirements for the degree. The student has to present a colloquium before submitting the thesis. He or she should also successfully defend the thesis before the degree will be conferred.

f. Subject credits: Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
EMG700T	Thesis: Environmental Management	(2,000)
EMG700R	Thesis: Environmental Management (re-registration)	(0,000)
TOTAL CR	EDITS FOR THE QUALIFICATION	2.000

6.8.4 MAGISTER TECHNOLOGIAE: GEOLOGY Qualification code: MTGE96

REMARKS

Structure:

e

a. Admission requirement(s): A Baccalaure

A Baccalaureus Technologiae: Geology or an NQF level 7 bachelor's or honours degree in Geology from a South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

In addition, a prospective student should successfully complete Research Methodology in the first year of study if it was not included in a previous qualification. b. Selection criteria: Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

These procedures will be fully explained to each prospective student during his or her personal interview.

- c. Duration: A minimum of one year and a maximum of three years. Students have to re-register annually for this qualification.
- d. Presentation and campus: Arcadia Campus (research).

e. Structure: This qualification consists of a research project in the form of a dissertation. Before the final assessment report of the dissertation will be considered, the manuscript of at least one scientific paper, which is a requirement for the degree, has to be handed in. It has to be ready for submission for publication in a peer-reviewed journal (preferably accredited). The student has to present a colloquium before submitting the dissertation.

f. Subject credits: Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
GEO500T GEO500R	Dissertation: Geology Dissertation: Geology (re-registration)	(1,000) (0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

6.8.5 DOCTOR TECHNOLOGIAE: GEOLOGY Qualification code: DTGE96

a.	Admission requirement(s):	A Magister Technologiae: Geology or an NQF level 8 master's degree in Geology from a South African university.
		Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required. Depending on the nature of such an equivalent qualification,
		the completion of certain additional subjects may be required.
b.	Selection criteria:	Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee. These procedures will be fully explained to each prospective student during his or her personal interview.
Fac	ulty of Science	

	C.	Duration:	A minimum of Students have	two years and a maximum of five years. to re-register annually for this qualification.
	d.	Presentation and campus	s: Arcadia Camp	ous (research).
	e.	Structure:	This qualificat a thesis. Befo be considered research and submitted for accredited). V article(s) has the degree. Ti submitting the defend the the	ion consists of a research project in the form of re the final assessment report of the thesis will d, at least two scientific articles, based on the approved by the supervisor, should have been publication to peer-reviewed journals (preferably vritten proof that the journals have received the to be handed in as part of the requirements for he student has to present a colloquium before e thesis. He or she should also successfully asis before the degree will be conferred.
	f.	Subject credits:	Subject credit	s are shown in brackets after each subject.
	COL	DE SUBJECT		CREDIT
	GEO GEO	D700T Thesis: Geology D700R Thesis: Geology (r	e-registration)	(2,000) (0,000)
	тот	TAL CREDITS FOR THE C	UALIFICATION:	2,000
6.8.6	MA Qua	GISTER TECHNOL	OGIAE: WATE	RCARE
	RE	MARKS		
	a.	Admission requirement(s): A Baccalaurer Biotechnology bachelor's or Chemistry, Mi Chemical Eng	us Technologiae: Water Care, Chemistry, or Chemical Engineering or an NQF level 7 honours degree in Water Utilisation/Sciences, crobiology, Biotechnology, Biochemistry or jineering from a South African university.
			Holders of an qualifications advance (± siz	y other equivalent South African or foreign may also be considered, but will have to apply in x months) for recognition of such qualifications.

Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

In addition, a prospective student should successfully complete Research Methodology in the first year of study if it was not included in a previous qualification.

Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

Selection criteria:

b

These procedures will be fully explained to each prospective student during his or her personal interview.

- c. Duration: A minimum of one year and a maximum of three years. Students have to re-register annually for this gualification.
- d. Presentation and campus: Arcadia Campus (research).
- e. Structure: This qualification consists of a research project in the form of a dissertation. Before the final assessment report of the dissertation will be considered, the manuscript of at least one scientific paper, which is a requirement for the degree, has to be handed in. It has to be ready for submission for publication in a peer-reviewed journal (preferably accredited). The student has to present a colloquium before submitting the dissertation.
- f. Subject credits: Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
WCT500T WCT500R	Dissertation: Water Care Dissertation: Water Care (re-registration)	(1,000) (0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

6.8.7 DOCTOR TECHNOLOGIAE: WATER CARE Qualification code: DTWC99

a.	Admission requirement(s):	A Magister Technologiae: Water Care, Chemistry, Biotechnology or Chemical Engineering or an NQF level 8 Master's degree in Water Utilisation, Chemistry, Microbiology, Biotechnology, Biochemistry or Chemical Engineering from a South African university.
		Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualificatios by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.
		Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.
b.	Selection criteria:	Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the
		Faculty Higher Degrees Committee.
		These procedures will be fully explained to each prospective student during his or her personal interview.
C.	Duration:	A minimum of two years and a maximum of five years. Students have to re-register annually for this qualification.

d. Presentation and campus: Arcadia Campus (research).

e Structure: This qualification consists of a research project in the form of a thesis. Before the final assessment report of the thesis will be considered, at least two scientific articles, based on the research and approved by the supervisor, should have been submitted for publication to peer-reviewed journals (preferably accredited). Written proof that the journals have received the article(s) has to be handed in as part of the requirements for the degree. The student has to present a colloquium before submitting the thesis. He or she should also successfully defend the thesis before the degree will be conferred. f. Subject credits: Subject credits are shown in brackets after each subject. CODE SUBJECT CREDIT

WCT700TThesis: Water Care(2,000)WCT700RThesis: Water Care (re-registration)(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 2,000

6.8.8 SUBJECT INFORMATION

Syllabus content subject to change to accommodate industry changes.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: ENVIRONMENTAL ACCOUNTING V ECC500T 1 X 4-HOUR PAPER Not available

Accounting theories. Cost-benefit analysis. Application in terms of life cycles.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: ENVIRONMENTAL CHEMISTRY V ENC500T 1 X 4-HOUR PAPER Not available

Environmental engineering. Soil chemistry. Advanced atmospheric and water chemistry. Advanced hazardous waste and legislation.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: ENVIRONMENTAL LEGISLATION V ELE500T 1 X 4-HOUR PAPER Not available

Application of environmental legislation. Advanced environmental impact study. Environmental management programmes and applied case studies.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: ENVIRONMENTAL MANAGEMENT V EMG500T 1 X 4-HOUR PAPER Not available

Applied environmental management concepts and applications.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: ENVIRONMENTAL RISK ASSESSMENT V ERA500T 1 X 4-HOUR PAPER Not available

Assessment of risk, hazard identification, risk characterisation. Management of risk, consideration of management option, risk communication, control decision, monitoring.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: GEOHYDROLOGY V GEH500T 1 X 4-HOUR PAPER Not available

Advanced hydrochemistry, analysis of the appearance and movement of groundwater. Seminars and self-study.

6.9 DEPARTMENT OF HORTICULTURE

6.9.1 MAGISTER TECHNOLOGIAE: HORTICULTURE Qualification code: MTH097

a.	Admission requirement(s):	A Baccalaureus Technologiae: Horticulture, Landscape Technology or Turfgrass Management or an NQF level 7 bachelor's or honours degree in Horticulture or Botany from a South African university.
		Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.
		Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.
		In addition, a prospective student should successfully complete Research Methodology in the first year of study if it was not included in a previous qualification.
b.	Selection criteria:	Selection is based on a personal interview with a
		approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.
		These procedures will be fully explained to each prospective student during his or her personal interview.
C.	Duration:	A minimum of one year and a maximum of three years. Students have to re-register annually for this qualification.
d.	Presentation and campus:	Pretoria Campus (research).

e. Structure: This qualification consists of a research project in the form of a dissertation. Before the final assessment report of the dissertation will be considered, the manuscript of at least one scientific paper, which is a requirement for the degree, has to be handed in. It has to be ready for submission for publication in a peer-reviewed journal (preferably accredited). The student has to present a colloquium before submitting the dissertation.
 f. Subject credits: Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
HOR500T HOR500R	Dissertation: Horticulture Dissertation: Horticulture (re-registration)	(1,000) (0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

6.9.2 DOCTOR TECHNOLOGIAE: HORTICULTURE Qualification code: DTHO97

REMARKS

a.	Admission requirement(s):	A Magister Technologiae: Horticulture or an NQF level 8 master's degree in Horticulture or Botany from a South African university.
		Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.
		Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.
b.	Selection criteria:	Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.
		These procedures will be fully explained to each prospective student during his or her personal interview.
C.	Duration:	A minimum of two years and a maximum of five years. Students have to re-register annually for this gualification
d.	Presentation and campus:	Pretoria Campus (research).
e.	Structure:	This qualification consists of a research project in the form of a thesis. Before the final assessment report of the thesis will be considered, at least two scientific articles, based on the research and approved by the supervisor, should have been

submitted for publication to peer-reviewed journals (preferably accredited). Written proof that the journals have received the article(s) has to be handed in as part of the requirements for the degree. The student has to present a colloquium before submitting the thesis. He or she should also successfully defend the thesis before the degree will be conferred.

f. Subject credits: Subject credits are shown in brackets after each subject.

CODE SUBJECT

CREDIT

HOR700TThesis: Horticulture(2,000)HOR700RThesis: Horticulture (re-registration)(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 2,000

6.10 DEPARTMENT OF MATHEMATICS AND STATISTICS

6.10.1 MAGISTER TECHNOLOGIAE: QUALITY Qualification code: MTQU99

a.	Admission requirement(s):	A Baccalaureus Technologiae: Quality or an equivalent qualification. Holders of any other equivalent South African or foreign qualifications may also be considered, but will
		have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.
		Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.
		In addition, a prospective student should successfully complete Research Methodology in the first year of study if it was not included in a previous qualification.
b.	Selection criteria:	Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.
		These procedures will be fully explained to each prospective student during his or her personal interview.
C.	Duration:	A minimum of one year and a maximum of three years. Students have to re-register annually for this qualification.
d.	Presentation and campus:	Arcadia Campus (research).
e.	Structure:	This qualification consists of a research project in the form of a dissertation. Before the final assessment report of the dissertation will be considered, the manuscript of at least one scientific paper, which is a requirement for the degree,

has to be handed in. It has to be ready for submission for publication in a peer-reviewed journal (preferably accredited). The student has to present a colloquium before submitting the dissertation.

f. Subject credits: Subject credits are shown in brackets after each subject.

CODE SUBJECT

CREDIT

QAS510T	Dissertation: Quality	(1,000)
QAS510R	Dissertation: Quality	(0,000)
	(re-registration)	

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

REM	MARKS	
a.	Admission requirement(s):	A Magister Technologiae: Quality or an equivalent qualification.
		Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to appl advance (± six months) for recognition of such qualification Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competer for admission to the programme. Proof of English proficien may be required.
		Depending on the nature of such an equivalent qualification the completion of certain additional subjects may be require
b.	Selection criteria:	Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.
		These procedures will be fully explained to each prospection student during his or her personal interview.
C.	Duration:	A minimum of two years and a maximum of five years. Students have to re-register annually for this qualification.
d.	Presentation and campus:	Arcadia Campus (research).
e.	Structure:	This qualification consists of a research project in the form a thesis. Before the final assessment report of the thesis w
		be considered, at least two scientific articles, based on the research and approved by the supervisor, should have bee submitted for publication to peer-reviewed journals (prefer accredited). Written proof that the journals have received t article(s) has to be handed in as part of the requirements f the degree. The student has to present a colloquium befor submitting the thesis. He or she should also successfully defend the thesis before the degree will be conferred.

f. Subject credits:

Subject credits are shown in brackets after each subject.

CODESUBJECTCREDITQAS700TThesis: Quality(2.000)

QAS700R Thesis: Quality (re-registration) (0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 2,000

6.10.3 MAGISTER TECHNOLOGIAE: MATHEMATICAL TECHNOLOGY (Structured) Qualification code: MTMNST

a.	Admission requirement(s):	Any NQF level 7 bachelor's degree with Mathematics as subject at level IV from a South African university.
		Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications
		Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.
		Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.
		In addition, a prospective student should successfully complete Research Methodology in the first year of study if it was not included in a previous qualification.
b.	Selection criteria:	Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be
		made official only when the proposal is approved by the Faculty Higher Degrees Committee.
		These procedures will be fully explained to each prospective student during his or her personal interview.
C.	Recommended subjects:	It is highly recommended that the student should have passed relevant mathematical subjects during undergraduate studies and/or completed a mathematical-related short learning
		programme beforehand.
d.	Duration:	A minimum of one year and a maximum of three years. Students have to re-register annually for this qualification.
e.	Presentation and campus:	Arcadia Campus (block-based classes as arranged by the department).
f.	Structure:	This programme consists of subjects offered on a block basis and a research project in the form of a mini-dissertation (research report). In order to obtain a structured magister technologiae, the student has to pass all the relevant

subjects and the mini-dissertation (research report) has to be accepted. The student has to present a colloquium before submitting the dissertation.

Please note: Before the research report will be accepted for assessment, a draft scientific paper, based on the research and approved by the supervisor, has to be ready for submission to a peer-reviewed journal (preferably accredited). Research findings should have been presented at a regional symposium or conference.

Subject credits are shown in brackets after each subject.

FIRST YEAR

g.

CODE SUBJECT CREDIT PREREQUISITE SUBJECT	CODE	SUBJECT	CREDIT	PREREQUISITE SUBJECT(S)
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Two of the following subjects:

Subject credits:

NAS500T NLA500T ONL500T PDQ500T	Numerical Analysis V Numerical Linear Algebra V Ordinary Nonlinear Differential Equations V Partial Differential Equations V	(0,040) (0,040) (0,040) (0,040)			
Plus:	Plus:				
LABORATORY					
MTP50AT	Mathematical Technology: Laboratory Project (A) V	(0,130)			
TOTAL CREDITS FOR THE FIRST YEAR: 0.210					

SECOND YEAR

Two of the following subjects (excluding those taken in the first year):

NAS500T	Numerical Analysis V	(0,040)
NLA500T	Numerical Linear Algebra V	(0,040)
ONL500T	Ordinary Nonlinear Differential	(0,040)
	Equations V	
PDQ500T	Partial Differential Equations V	(0,040)

Plus:

LABORATORY

- MTP50BT Mathematical Technology: (0,130) Laboratory Project (B) V
- TOTAL CREDITS FOR THE SECOND YEAR: 0,210

THIRD YEAR

CQM500T	Colloquium V	(0,040)	Numerical Analysis V Numerical Linear Algebra V Ordinary Nonlinear Differential Equations V Partial Differential Equations V
ILM500T	Industrial Mathematics V	(0,040)	

RESEARCH

MAY501T Research Report: Mathematical Technology V	(0,500)	Mathematical Technology: Laboratory Project (A) V Mathematical Technology: Laboratory Project (B) V Numerical Analysis V Numerical Linear Algebra V Ordinary Nonlinear Differential Equations V Partial Differential Equations V
MAY501R Research Report: Mathematical Technology V (re-registration)	(0,000)	
TOTAL CREDITS FOR THE THIRD YEAR:	0,580	
TOTAL CREDITS FOR THE QUALIFICATION:	1,000	

6.10.4 MAGISTER TECHNOLOGIAE: MATHEMATICAL TECHNOLOGY Qualification code: MTMN00

a.	Admission requirement(s):	Any NQF level 7 bachelor's or honours degree in Mathematical Science from a South African university.
		Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.
		Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.
		In addition, a prospective student should successfully complete Research Methodology in the first year of study if it was not included in a previous qualification.
b.	Selection criteria:	Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee
		These procedures will be fully explained to each prospective student during his or her personal interview.
C.	Duration:	A minimum of one year and a maximum of three years. Students have to re-register annually for this qualification.
d.	Presentation and campus:	Arcadia Campus (research).
e.	Structure:	This qualification consists of a research project in the form of a dissertation. Before the final assessment report of the dissertation will be considered, the manuscript of at least

one scientific paper, which is a requirement for the degree, has to be handed in. It has to be ready for submission for publication in a peer-reviewed journal (preferably accredited). The student has to present a colloquium before submitting the dissertation.

Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
MAY500T	Dissertation: Mathematical	(1,000)
MAY500R	Dissertation: Mathematical Technology (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

6.10.5 DOCTOR TECHNOLOGIAE: MATHEMATICAL TECHNOLOGY Qualification code: DTMN00

REMARKS

f.

Subject credits:

а	Admission requirement(s):	A Magister Technologiae: Mathematical Technology or an NQF level 8 master's degree in Mathematical Sciences from a South African university or a Master of Science degree from the University of Southern Mississippi.
		Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.
		Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.
b	. Selection criteria:	Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.
		These procedures will be fully explained to each prospective student during his or her personal interview.
С	. Duration:	A minimum of two years and a maximum of five years. Students have to re-register annually for this qualification.
d	. Presentation and campus:	Arcadia Campus (research).
e	Structure:	This qualification consists of a research project in the form of a thesis. Before the final assessment report of the thesis will be considered, at least two scientific articles, based on the research and approved by the supervisor, should have been submitted for publication to peer-reviewed journals (preferably accredited). Written proof that the journals have received the

article(s) has to be handed in as part of the requirements for the degree. The student has to present a colloquium before submitting the thesis. He or she should also successfully defend the thesis before the degree will be conferred.

f. Subject credits: Subject credits are shown in brackets after each subject.

CODE SUBJECT

CREDIT

MAY700T Thesis: Mathematical Technology (2,000) MAY700R Thesis: Mathematical Technology (0,000) (re-registration)

TOTAL CREDITS FOR THE QUALIFICATION: 2,000

6.10.6 SUBJECT INFORMATION

Syllabus content subject to change to accommodate industry changes.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: COLLOQUIUM V CQM500T CONTINUOUS ASSESSMENT Not available

Students take turns to present lectures on the theory and applications of real analyses with the aid of algebraic manipulators.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: INDUSTRIAL MATHEMATICS V ILM500T CONTINUOUS ASSESSMENT Not available

The contents depend on the availability of instructors and demand from regional industry (such as wavelets, futures and derivatives, applied graph theory or calculus of variations, etc).

SUBJECT NAME:

SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: MATHEMATICAL TECHNOLOGY: LABORATORY PROJECT (A) V MTP50AT PROJECT Not available

This practical subject must be undertaken simultaneously with any two of the theoretical subjects stated above. Experiments employing both numeric and symbolic computation and using software such as Derive, MATLAB, Mathematica, Scientific Workplace, etc. are carried out, which demonstrate investigations of a deeper nature than would be possible in either of the two subjects. A project report is to be submitted for examination.

SUBJECT NAME:

SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: MATHEMATICAL TECHNOLOGY: LABORATORY PROJECT (B) V MTP50BT PROJECT Not available

This practical subject is to be taken simultaneously with any two of the theoretical subjects not covered in Laboratory Project (A). Experiments employing both numeric and symbolic computation and using software, such as Derive, MATLAB, Mathematica, Scientific Workplace, etc., are carried out, which demonstrate investigations of a deeper nature than would be possible in either of the two subjects. A project report of a deeper nature than that of "Mathematical Technology: Laboratory Project (A) V" is to be submitted for examination.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: NUMERICAL ANALYSIS V NAS500T CONTINUOUS ASSESSMENT Not available

Interpolation polynomials, numerical differentiation and integration, Runge-Kutta type methods. error analysis.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: NUMERICAL LINEAR ALGEBRA V NLA500T CONTINUOUS ASSESSMENT Not available

Methods of solving systems of not necessarily linear equations, error analysis, difference equations and finite element methods.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS:

ORDINARY NONLINEAR DIFFERENTIAL EQUATIONS V **ONI 500T** CONTINUOUS ASSESSMENT Not available

Not necessarily linear ordinary differential equations are studied.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS:

PARTIAL DIFFERENTIAL EQUATIONS V PD0500T CONTINUOUS ASSESSMENT Not available

Dirichlet, Neumann, mixed boundary value problems and Sturm-Liouville theory.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS:

RESEARCH REPORT: MATHEMATICAL TECHNOLOGY V MAY501T RESEARCH Not available

This could, for example, cover work extending results from the respective laboratory projects or it could be a completely new project incorporating the use of available technology, such as Derive, MATLAB, Mathematica and Scientific Workplace. The project must demonstrate the student's ability to produce publishable research articles and/or artefacts in mathematical technology. It may be undertaken only on successful completion of four of the six theoretical subjects and the two laboratory projects listed above.

DEPARTMENT OF NATURE CONSERVATION 6.11

6.11.1 MAGISTER TECHNOLOGIAE: ECOTOURISM MANAGEMENT Qualification code: MTES01

RE	MARKS	

Admission requirement(s): A Baccalaureus Technologiae: Ecotourism Management or a an NQF level 7 bachelor's or honours degree in Ecotourism Management from a South African university. Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess

	these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.
	Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.
	In addition, a prospective student should successfully complete Research Methodology in the first year of study if it was not included in a previous qualification.
b. Selection criteria:	Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.
	These procedures will be fully explained to each prospective student during his or her personal interview.
c. Duration:	A minimum of one year and a maximum of three years. Students have to re-register annually for this qualification.
d. Presentation and campus:	Pretoria Campus (research).
e. Structure:	This qualification consists of a research project in the form of a dissertation. Before the final assessment report of the dissertation will be considered, the manuscript of at least one scientific paper, which is a requirement for the degree, has to be handed in. It has to be ready for submission for publication in a peer-reviewed journal (preferably accredited). The student has to present a colloquium before submitting the dissertation.
f. Subject credits:	Subject credits are shown in brackets after each subject.
CODE SUBJECT	CREDIT
ETM510T Dissertation: Ecotour ETM510R Dissertation: Ecotour (re-registration)	ism (1,000) ism (0,000)
TOTAL CREDITS FOR THE QUA	ALIFICATION: 1,000

6.11.2 MAGISTER TECHNOLOGIAE: GAME RANCH MANAGEMENT Qualification code: MTGR01

REMARKS

a.	Admission requirement(s):	A Baccalaureus Technologiae: Game Ranch Management or an NQF level 7 bachelor's or honours degree in Game Ranch
٦		Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess
Fac	ulty of Science	

			these qualification for admission may be require	ations and the applicant's suitability/competence to the programme. Proof of English proficiency ed.
			Depending or the completion	the nature of such an equivalent qualification, n of certain additional subjects may be required.
			In addition, a complete Res	prospective student should successfully earch Methodology in the first year of study if it ded in a previous qualification.
b.	Selec	tion criteria:	Selection is be departmental approval of a made official of Faculty Highe	ased on a personal interview with a selection panel. Registration prior to the research proposal is provisional and will be only when the proposal is approved by the r Degrees Committee.
			These proced student during	ures will be fully explained to each prospective g his or her personal interview.
C.	Durat	ion:	A minimum of Students have	one year and a maximum of three years. e to re-register annually for this qualification.
d.	Prese	entation and campus:	Pretoria Cam	ous (research).
e.	Struct	ture:	This qualificat of a dissertation dissertation w one scientific has to be han publication in The student h dissertation.	ion consists of a research project in the form on. Before the final assessment report of the ill be considered, the manuscript of at least paper, which is a requirement for the degree, ded in. It has to be ready for submission for a peer-reviewed journal (preferably accredited). as to present a colloquium before submitting the
f.	Subje	ect credits:	Subject credit	s are shown in brackets after each subject.
COD	E	SUBJECT		CREDIT
GRM	500T	Dissertation: Game Ra	anch	(1,000)
GRM	500R	Dissertation: Game Ra Management (re-regis	anch stration)	(0,000)
тот	AL CR	EDITS FOR THE QUA	LIFICATION:	1.000

6.11.3 DOCTOR TECHNOLOGIAE: GAME RANCH MANAGEMENT Qualification code: DTGR01

RE	MARKS		
a.	Admission requirement(s):	A Magister Technologiae: Game Ranch Mar NQF level 8 master's degree in Game Ranc obtained from a South African university. Holders of any other equivalent South Africa qualifications may also be considered, but w advance (± six months) for recognition of su Foreign students will be required to submit a of their qualifications by the South African Q	agement or an h Management, n or foreign rill have to apply in ch qualifications. an evaluation ualifications

		Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.
		Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.
b.	Selection criteria:	Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.
		These procedures will be fully explained to each prospective student during his or her personal interview.
C.	Duration:	A minimum of two years and a maximum of five years. Students have to re-register annually for this qualification.
d.	Presentation and campus:	Pretoria Campus (research).
e.	Structure:	This qualification consists of a research project in the form of a thesis. Before the final assessment report of the thesis will be considered, at least two scientific articles, based on the research and approved by the supervisor, should have been submitted for publication to peer-reviewed journals (preferably accredited). Written proof that the journals have received the article(s) has to be handed in as part of the requirements for the degree. The student has to present a colloquium before submitting the thesis. He or she should also successfully defend the thesis before the degree will be conferred.
f.	Subject credits:	Subject credits are shown in brackets after each subject.
CO	DE SUBJECT	CREDIT
GRI GRI	M700T Thesis: Game Ranch M700R Thesis: Game Ranch (re-registration)	Management (2,000) Management (0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 2,000

6.11.4 MAGISTER TECHNOLOGIAE: NATURE CONSERVATION Qualification code: MTNA95

RE	MARKS	
a.	Admission requirement(s):	A Baccalaureus Technologiae: Nature Conservation or an NQF level 7 bachelor's or honours degree in Nature Conservation from a South African university.
		Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence
Fac	ulty of Science	

for admission to the programme. Proof of English proficiency may be required.

Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

In addition, a prospective student should successfully complete Research Methodology in the first year of study if it was not included in a previous qualification.

b. Selection criteria:

Duration:

Structure:

c.

ρ

Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

These procedures will be fully explained to each prospective student during his or her personal interview.

A minimum of one year and a maximum of three years. Students have to re-register annually for this qualification.

d. Presentation and campus: Pretoria Campus (research).

This qualification consists of a research project in the form of a dissertation. Before the final assessment report of the dissertation will be considered, the manuscript of at least one scientific paper, which is a requirement for the degree, has to be handed in. It has to be ready for submission for publication in a peer-reviewed journal (preferably accredited). The student has to present a colloquium before submitting the dissertation.

f. Subject credits: Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
NCV500T NCV500R	Dissertation: Nature Conservation Dissertation: Nature Conservation (re-registration)	(1,000) (0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

6.11.5 DOCTOR TECHNOLOGIAE: NATURE CONSERVATION Qualification code: DTNA96

REMARKS	
a. Admission requirement(s):	A Magister Technologiae: Nature Conservation or an NQF level 8 master's degree in Nature Conservation, obtained from a South African university.
	Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (\pm six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence

for admission to the programme. Proof of English proficiency may be required.

Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

b. Selection criteria: Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

These procedures will be fully explained to each prospective student during his or her personal interview.

- c. Duration: A minimum of two years and a maximum of five years. Students have to re-register annually for this qualification.
- d. Presentation and campus: Pretoria Campus (research).
- e. Structure: This qualification consists of a research project in the form of a thesis. Before the final assessment report of the thesis will be considered, at least two scientific articles, based on the research and approved by the supervisor, should have been submitted for publication to peer-reviewed journals (preferably accredited). Written proof that the journals have received the article(s) has to be handed in as part of the requirements for the degree. The student has to present a colloquium before submitting the thesis. He or she should also successfully defend the thesis before the degree will be conferred.
- f. Subject credits: Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
NCV700T NCV700R	Thesis: Nature Conservation Thesis: Nature Conservation (re-registration)	(2,000) (0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 2,000

6.12 DEPARTMENT OF PHARMACEUTICAL SCIENCES

6.12.1 MAGISTER TECHNOLOGIAE: PHARMACEUTICAL SCIENCES (Structured) Qualification code: MTPLS0

REMARKS

Please note: A moratorium was placed on new intakes as from 2008 until further notice.

a.	Admission requirement(s):	Any relevant four-year tertiary qualification. A student has to apply in advance for status to be granted or an equivalent qualification to be recognised. Depending on the nature of such equivalent qualification, the completion of certain additional subjects may be required.	
b.	Selection criteria:	Selection is based on a personal interview with a departmental selection panel. These procedures will be fully	

explained to each prospective student at his or her personal interview.

It is highly recommended that the student should have passed relevant pharmaceutical subjects during undergraduate studies and/or completed a pharmaceutical-related short learning programme beforehand.

- Duration: A minimum of one year and a maximum of three years. Students have to re-register annually for this gualification.
- d. Presentation and campus: Arcadia Campus (block-based classes).

This programme consists of subjects offered on a block basis and a research project in the form of a mini-dissertation (research report). In order to obtain a structured magister technologiae, the student has to pass all the relevant subjects and the mini-dissertation (research report) has to be accepted. The student has to present a colloquium before submitting the dissertation.

f. Subject credits: Subject credits are shown in brackets after each subject.

YEAR SUBJECTS

Structure:

c.

e.

Subjects are offered as determined by the Department.

CODE	SUBJECT	CREDIT
PHR510T	Research Report: Pharmaceutical	(0,500)
PHR510R	Research Report: Pharmaceutical	(0,000)
RMD500C	Research Methodology	(0,101)
	where three of the following outlines	
	plus three of the following subject	s:

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

6.12.2 MAGISTER TECHNOLOGIAE: PHARMACEUTICAL SCIENCES Qualification code: MTPL01

RE	MARKS		
a.	Admission requirement(s):	A Baccalaureus Technologiae: Pharmaceuti an NQF level 7 Health- or Pharmaceutical S bachelor's or honours degree from a South Holders of any other equivalent South Africa qualifications may also be considered, but v advance (± six months) for recognition of su Foreign students will be required to submit of their qualifications by the South African O Authority (SAQA). The Faculty reserves the	cal Sciences or Sciences-related African university. an or foreign vill have to apply in ich qualifications. an evaluation sualifications right to assess

		these qualification for admission may be require	ations and the applicant's suitability/competence to the programme. Proof of English proficiency red.
		Depending or the completio	the nature of such an equivalent qualification, n of certain additional subjects may be required.
		In addition, a complete Res was not includ	prospective student should successfully earch Methodology in the first year of study if it ded in a previous qualification.
b.	Selection criteria:	Selection is b departmental approval of a made official Faculty Highe	ased on a personal interview with a selection panel. Registration prior to the research proposal is provisional and will be only when the proposal is approved by the r Degrees Committee.
		These proced student during	ures will be fully explained to each prospective g his or her personal interview.
C.	Duration:	A minimum of Students have	one year and a maximum of three years. e to re-register annually for this qualification.
d.	Presentation and campus:	Arcadia Camp	bus (research).
e.	Structure:	This qualificat of a dissertati dissertation w one scientific has to be han publication in The student h dissertation.	ion consists of a research project in the form on. Before the final assessment report of the ill be considered, the manuscript of at least paper, which is a requirement for the degree, ded in. It has to be ready for submission for a peer-reviewed journal (preferably accredited). as to present a colloquium before submitting the
f.	Subject credits:	Subject credit	s are shown in brackets after each subject.
COL	DE SUBJECT		CREDIT
PHF	500T Dissertation: Pharmad	ceutical	(1,000)
PHF	2500R Dissertation: Pharmac Sciences (re-registrat	ceutical ion)	(0,000)
тот	AL CREDITS FOR THE QUA	LIFICATION:	1,000

6.12.3 DOCTOR TECHNOLOGIAE: PHARMACEUTICAL SCIENCES Qualification code: DTPL01

a.	Admission requirement(s):	A Magister Technologiae: Pharmaceutical Sciences or an
		master's degree from a South African university.
		Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications

Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

b. Selection criteria: Selection is based on a personal interview with a

departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

These procedures will be fully explained to each prospective student during his or her personal interview.

A minimum of two years and a maximum of five years. Students have to re-register annually for this qualification.

d. Presentation and campus: Arcadia Campus (research).

e. Structure:

Duration:

C

This qualification consists of a research project in the form of a thesis. Before the final assessment report of the thesis will be considered, at least two scientific articles, based on the research and approved by the supervisor, should have been submitted for publication to peer-reviewed journals (preferably accredited). Written proof that the journals have received the article(s) has to be handed in as part of the requirements for the degree. The student has to present a colloquium before submitting the thesis. He or she should also successfully defend the thesis before the degree will be conferred.

f. Subject credits: Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT	
PHR700T PHR700R	Thesis: Pharmaceutical Sciences Thesis: Pharmaceutical Sciences (re-registration)	(2,000) (0,000)	

TOTAL CREDITS FOR THE QUALIFICATION: 2,000

6.12.4 MAGISTER TECHNOLOGIAE: SOMATOLOGY Qualification code: MTSY99

REMARKS a. Admission requirement(s): A Baccalaureus Technologiae: Somatology or an equivalent qualification. Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

In addition, a prospective student should successfully complete Research Methodology in the first year of study if it was not included in a previous qualification.

b. Selection criteria: Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

These procedures will be fully explained to each prospective student during his or her personal interview.

- c. Duration: A minimum of one year and a maximum of three years. Students have to re-register annually for this qualification.
- d. Presentation and campus: Arcadia Campus (research).
- e. Structure: This qualification consists of a research project in the form of a dissertation. Before the final assessment report of the dissertation will be considered, the manuscript of at least one scientific paper, which is a requirement for the degree, has to be handed in. It has to be ready for submission for publication in a peer-reviewed journal (preferably accredited). The student has to present a colloquium before submitting the dissertation.
- f. Subject credits: Subject credits are shown in brackets after each subject.

CODE SUBJECT CREDIT

STG500T Dissertation: Somatology STG500R Dissertation: Somatology (re-registration)

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

6.12.5 SUBJECT INFORMATION

Syllabus content subject to change to accommodate industry changes.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: CLINICAL RESEARCH CRH500T CONTINUOUS ASSESSMENT Not available

(1,000)

(0,000)

Study design in clinical trials. Biopharmaceutics. Case reports. Good clinical practice (GCP) and good laboratory practice (GLP).

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: COMMUNITY PHARMACY CYH500T CONTINUOUS ASSESSMENT Not available

Principles of pharmaceutical care. Drug information. Human resource management.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: MEDICINE GOVERNANCE MGE500T CONTINUOUS ASSESSMENT Not available

National drug policies. Drug regulation in South Africa. Regulation of complementary medicines, veterinary medicines and medical devices.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: PHARMACEUTICAL PRODUCTION PRU500T CONTINUOUS ASSESSMENT Not available

Formulation of dosage forms. Establishing the quality of pharmaceutical products. Packaging and labelling of pharmaceuticals.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: PHARMACO-ECONOMICS PHN500T CONTINUOUS ASSESSMENT Not available

Basic economic concepts. Efficiency concepts. Economic evaluations. Drug utilisation reviews.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: RESEARCH METHODOLOGY RMD500C CONTINUOUS ASSESSMENT Not available

Qualitative and quantitative research. Protocol writing. Report writing. Basic statistics.

6.13 DEPARTMENT OF PHYSICS

6.13.1 MAGISTER TECHNOLOGIAE: FIRE TECHNOLOGY Qualification code: MTFY01

REMARKS

a.	Admission requirement(s):	A Baccalaureus Technologiae: Fire Technology or Fire Services.
		Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.
		Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.
		In addition, a prospective student should successfully complete Research Methodology in the first year of study if it was not included in a previous qualification.
b.	Selection criteria:	Selection is based on a personal interview with a departmental selection panel. Registration prior to the

approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

These procedures will be fully explained to each prospective student during his or her personal interview.

- c. Duration: A minimum of one year and a maximum of three years. Students have to re-register annually for this gualification.
- d. Presentation and campus: Arcadia Campus (research).
- e. Structure: This qualification consists of a research project in the form of a dissertation. Before the final assessment report of the dissertation will be considered, the manuscript of at least one scientific paper, which is a requirement for the degree, has to be handed in. It has to be ready for submission for publication in a peer-reviewed journal (preferably accredited). The student has to present a colloquium before submitting the dissertation.
- f. Subject credits: Subject credits are shown in brackets after each subject.

CREDIT

FIT500T I FIT500R I	Dissertation: Fire Technology Dissertation: Fire Technology (re-registration)	y (1,000) y (0,000)

SUBJECT

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

6.14 DEPARTMENT OF SPORT, REHABILITATION AND DENTAL SCIENCES

6.14.1 MAGISTER TECHNOLOGIAE: DENTAL TECHNOLOGY Qualification code: MTDT95

REMARKS

CODE

-	4. 66.	
b.	Selection criteria:	Selection is based on a personal interview with a departmental selection panel. Registration prior to the
		In addition, a candidate should successfully complete Research Methodology in the first year of study if it was not included in a previous qualification.
		Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required. Depending on the nature of such an equivalent qualification,
а.	Admission requirement(s):	A Baccalaureus Technologiae: Dental Technology.

approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

These procedures will be fully explained to each prospective student during his or her personal interview.

- c. Duration: A minimum of one year and a maximum of three years. Students have to re-register annually for this gualification.
- d. Presentation and campus: Pretoria Campus (research).

e. Structure:

This qualification consists of a research project in the form of a dissertation. Before the final assessment report of the dissertation will be considered, the manuscript of at least one scientific paper, which is a requirement for the degree, has to be handed in. It has to be ready for submission for publication in a peer-reviewed journal (preferably accredited). The student has to present a colloquium before submitting the dissertation.

f. Subject credits: Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
DTN500T DTN500R	Dissertation: Dental Technology Dissertation: Dental Technology (re-registration)	(1,000) (0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

6.14.2 DOCTOR TECHNOLOGIAE: DENTAL TECHNOLOGY Qualification code: DTDT96

a. Admission requirement(s):	A Magister Technologiae: Dental Technology.
	Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.
	Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.
b. Selection criteria:	Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.
	These procedures will be fully explained to each prospective student during his or her personal interview.

- c. Duration: A minimum of two years and a maximum of five years. Students have to re-register annually for this gualification.
- d. Presentation and campus: Pretoria Campus (research).
- e. Structure: This qualification consists of a research project in the form of a thesis. Before the final assessment report of the thesis will be considered, at least two scientific articles, based on the research and approved by the supervisor, should have been submitted for publication to peer-reviewed journals (preferably accredited). Written proof that the journals have received the article(s) has to be handed in as part of the requirements for the degree. The student has to present a colloquium before submitting the thesis. He or she should also successfully defend the thesis before the degree will be conferred.
- f. Subject credits: Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
DTN700T DTN700R	Thesis: Dental Technology Thesis: Dental Technology (re-registration)	(2,000) (0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 2,000

7. FACULTY OF THE ARTS

7.1 DEPARTMENT OF DRAMA AND FILM

7.1.1 MAGISTER TECHNOLOGIAE: DRAMA (Structured) Qualification code: MTDRS1

REMARKS

a.	Admi	ssion requirement(s):	A Baccalaure Diploma: Dran should prefera Methodology, before the dis	us Technologiae ma or an equiva ably have passe before registeri sertation will be	E Drama, a National Higher lent qualification. A candidate d the subject, Research ng, but must definitely do so accepted.
b.	Selec	ction criteria:	Submission o by the Faculty for research p Department.	f an acceptable / Higher Degree roposals is avai	research proposal for approval s Committee. The framework lable from the Head of the
C.	Dura	tion:	A minimum of	one year and a	maximum of three years.
d.	Prese	entation and campus:	Arts Campus	(block-based cla	asses).
e.	Subje	ect credits:	Subject credit	s are shown in I	prackets after each subject.
СС	DDE	SUBJECT		CREDIT	PREREQUISITE SUBJECT(S)
DF DF	RA510T RA510R	Research Report: Dra Research Report: Dra (re-registration)	ama V ama V	(0,500) (0,000)	Performance Techniques V
PF	S500T	Performance Techniq	ues V	(0,500)	
TOTAL CREDITS FOR THE QUALIFICATION:				1,000	

7.1.2 MAGISTER TECHNOLOGIAE: DRAMA Qualification code: MTDR96

a.	Admission requirement(s):	A Baccalaureus Technologiae: Drama, a National Higher Diploma: Drama or an equivalent qualification. A candidate should preferably have passed the subject, Research Methodology, before registering, but must definitely do so before the dissertation will be accepted.
b.	Selection criteria:	Submission of an acceptable research proposal for approval by the Faculty Higher Degrees Committee. The framework for research proposals is available from the Head of the
		Department.
с.	Presentation and campus:	Arts Campus (research).
d.	Duration:	A minimum of one year and a maximum of three years.
e.	Subject credits:	Subject credits are shown in brackets after each subject.

CODE SUBJECT

CREDIT

DRA500T Dissertation: Drama (1,000) DRA500R Dissertation: Drama (re-registration) (0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

7.1.3 DOCTOR TECHNOLOGIAE: DRAMA Qualification code: DTDR96

REMARKS

a.	Admis	ssion requirement(s):	A Magister Teo qualification.	chnologiae: Drama or an equivalent
b.	Selec	tion criteria:	Submission of by the Faculty for research p Department.	an acceptable research proposal for approval Higher Degrees Committee. The framework roposals is available from the Head of the
C.	Durat	ion:	A minimum of	two years and a maximum of five years.
d.	Prese	entation and campus:	Arts Campus	(research).
e.	Subje	ect credits:	Subject credits	s are shown in brackets after each subject.
COD)E	SUBJECT		CREDIT
DRA DRA	700T 700R	Thesis: Drama Thesis: Drama (re-reg	istration)	(2,000) (0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 2,000

7.1.4 MAGISTER TECHNOLOGIAE: MOTION PICTURE PRODUCTION Qualification code: MTR001

a.	Admission requirement(s):	An applicable Baccalaureus Technologiae or an equivalent qualification. A candidate should preferably have passed the subject, Research Methodology, before registering, but must definitely do so before the dissertation will be accepted.
b.	Selection criteria:	Submission of an acceptable research proposal for approval by the Faculty Higher Degrees Committee. The framework for research proposals is available from the Head of the Department.
C.	Duration:	A minimum of one year and a maximum of three years.
d.	Presentation and campus:	Arts Campus (research).
e.	Subject credits:	Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
MPX510T	Dissertation: Motion Picture Production	(1,000)
MPX510R	Dissertation: Motion Picture Production (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

7.1.5 DOCTOR TECHNOLOGIAE: MOTION PICTURE PRODUCTION Qualification code: DTR001

REMARKS

Admission requirement(s): An applicable Magister Technologiae or an equivalent а gualification. b. Selection criteria: Submission of an acceptable research proposal for approval by the Faculty Higher Degrees Committee. The framework for research proposals is available from the Head of the Department. Duration: A minimum of two years and a maximum of five years. c. d. Presentation and campus: Arts Campus (research). Subject credits: Subject credits are shown in brackets after each subject. e. CODE SUBJECT CREDIT MPX700T Thesis: Motion Picture Production (2.000)MPX700R Thesis: Motion Picture Production (0,000)(re-registration)

TOTAL CREDITS FOR THE QUALIFICATION: 2,000

7.1.6 SUBJECT INFORMATION

Syllabus content subject to change to accommodate industry changes.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: PERFORMANCE TECHNIQUES V PFS500T PRACTICAL ASSESSMENT ± 60 hours

A structured process of theoretical research and practical experimentation culminating in a practical presentation/application.

7.2 DEPARTMENT OF ENTERTAINMENT TECHNOLOGY

7.2.1 MAGISTER TECHNOLOGIAE: PERFORMING ARTS TECHNOLOGY Qualification code: MTUK96

REMARKS

a.	Admi	ssion requirement(s):	A Baccalaure or an equivale have passed registering, bu will be accept	us Technologiae: Performing Arts Technology ent qualification. A candidate should preferably the subject, Research Methodology, before ut must definitely do so before the dissertation ied.	
b.	Selec	tion criteria:	Submission o by the Faculty for research p Department.	of an acceptable research proposal for approval y Higher Degrees Committee. The framework proposals is available from the Head of the	
C.	Durat	ion:	A minimum of	f one year and a maximum of three years.	
d.	Prese	entation and campus:	Arts Campus	(day classes).	
e.	Subje	ect credits:	Subject credit	ts are shown in brackets after each subject.	
COE	DE	SUBJECT		CREDIT	
PFG	6500T	Dissertation: Performi	ng Arts	(1,000)	
PFG	500R	Dissertation: Performi Technology (re-regist	ng Arts ration)	(0,000)	
TOTAL CREDITS FOR THE QUALIFICATION:			LIFICATION:	1,000	

7.2.2 DOCTOR TECHNOLOGIAE: PERFORMING ARTS TECHNOLOGY Qualification code: DTUK96

a.	Admi	ssion requirement(s):	A Magister Te equivalent qu	chnologiae: Performing Arts Technology or a alification.	an
b.	Selec	tion criteria:	Submission o by the Faculty for research p Department.	f an acceptable research proposal for appro v Higher Degrees Committee. The framewor roposals is available from the Head of the	val k
C.	Durat	ion:	A minimum of	two years and a maximum of five years.	
d.	Prese	entation and campus:	Arts Campus	(research).	
e.	Subje	ect credits:	Subject credit	s are shown in brackets after each subject.	
COD	Ε	SUBJECT		CREDIT	
PFG PFG	700T 700R	Thesis: Performing Ar Thesis: Performing Ar (re-registration)	ts Technology ts Technology	(2,000) (0,000)	
TOT	AL CR	EDITS FOR THE QUA	LIFICATION:	2,000	

7.3 DEPARTMENT OF FASHION DESIGN AND TECHNOLOGY

MAGISTER TECHNOLOGIAE: FASHION 7.3.1 **Qualification code: MTFH96** REMARKS Admission requirement(s): A Baccalaureus Technologiae: Fashion or an equivalent a. qualification. A candidate should preferably have passed the subject, Research Methodology, before registering, but must definitely do so before the dissertation will be accepted. Selection criteria: Submission of an acceptable research proposal for approval h by the Faculty Higher Degrees Committee. The framework for research proposals is available from the Head of the Department. С Duration: A minimum of one year and a maximum of three years. d. Presentation and campus: Arts Campus (research). Subject credits: Subject credits are shown in brackets after each subject. е CODE SUBJECT CREDIT FAS500T Dissertation: Fashion (1,000)FAS500R Dissertation: Fashion (0.000)(re-registration) TOTAL CREDITS FOR THE QUALIFICATION: 1.000 7.3.2 DOCTOR TECHNOLOGIAE: FASHION Qualification code: DTFH96 REMARKS A Magister Technologiae: Fashion or an equivalent а Admission requirement(s): qualification. b. Selection criteria: Submission of an acceptable research proposal for approval by the Faculty Higher Degrees Committee. The framework for research proposals is available from the Head of the Department. Duration: A minimum of two years and a maximum of five years. C. d. Presentation and campus: Arts Campus (research). Subject credits: Subject credits are shown in brackets after each subject. e CREDIT CODE SUBJECT FAS700T Thesis: Fashion (2.000)FAS700R Thesis: Fashion (re-registration) (0,000)TOTAL CREDITS FOR THE QUALIFICATION: 2,000

7.4 DEPARTMENT OF FINE AND APPLIED ARTS

7.4.1 MAGISTER TECHNOLOGIAE: FINE ART Qualification code: MTFE96

REMARKS

a.	. Admission requirement(s):		A Baccalaureus Technologiae: Fine Art or an equivalent qualification. A candidate should preferably have passed the subject, Research Methodology, before registering, but must definitely do so before the dissertation will be accepted.
b.	b. Selection criteria:		Submission of an acceptable research proposal for approval by the Faculty Higher Degrees Committee. The framework for research proposals is available from the Head of the Department.
C.	Duration:		A minimum of one year and a maximum of three years.
d.	Presentation and campus:		Arts Campus (research).
e.	Subject credits:		Subject credits are shown in brackets after each subject.
CODE SUBJECT		SUBJECT	CREDIT
FAR500T FAR500R		Dissertation: Fine Art Dissertation: Fine Art (re-registration)	(1,000) (0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

7.4.2 DOCTOR TECHNOLOGIAE: FINE ART Qualification code: DTFE96

a.	Admission requirement(s):	A Magister Technologiae: Fine Art or an equivalent qualification.		
b.	Selection criteria:	Submission of an acceptable research proposal for approval by the Faculty Higher Degrees Committee. The framework for research proposals is available from the Head of the Department.		
C.	Duration:	A minimum of two years and a maximum of five years.		
d.	Presentation and campus:	Arts Campus (research).		
e.	Subject credits:	Subject credits are shown in brackets after each subject.		
COD	E SUBJECT	CREDIT		
FAR FAR	700T Thesis: Fine Art 700R Thesis: Fine Art (re-re	(2,000) (0,000)		
тот	AL CREDITS FOR THE QUA	LIFICATION: 2,000		

7.4.3 MAGISTER TECHNOLOGIAE: TEXTILE DESIGN AND TECHNOLOGY Qualification code: MTTD97

REMARKS

	a. Admission requirement(s):		A Baccalaureus Technologiae: Textile Design and Technology or an equivalent qualification. A candidate should preferably have passed the subject, Research Methodology, before registering, but must definitely do so before the dissertation will be accepted.		
	b.	Selec	ction criteria:	Submission o by the Faculty for research p Department.	f an acceptable research proposal for approval V Higher Degrees Committee. The framework proposals is available from the Head of the
	c.	Durat	tion:	A minimum of	one year and a maximum of three years.
	d.	Prese	entation and campus:	Arts Campus	(research).
	e.	Subje	ect credits:	Subject credit	s are shown in brackets after each subject.
	COE	DE	SUBJECT		CREDIT
	TDE TDE	500T 500R	Dissertation: Textile Technology Dissertation: Textile Technology (re-regis	Design and Design and tration)	(1,000) (0,000)
TOTAL CREDITS FOR THE QUALIFICATION:			REDITS FOR THE QU	ALIFICATION:	1,000

7.4.4 DOCTOR TECHNOLOGIAE: TEXTILE DESIGN AND TECHNOLOGY Qualification code: DTTD97

a.	Admi	ssion requirement(s):	A Magister Te equivalent qu	echnologiae: Textile Design Technology or an alification.
b.	Selec	tion criteria:	Submission c by the Facult for research p Department.	of an acceptable research proposal for approval y Higher Degrees Committee. The framework proposals is available from the Head of the
C.	Durat	ion:	A minimum o	f two years and a maximum of five years.
d.	Prese	entation and campus:	Arts Campus	(research).
e.	Subje	ect credits:	Subject credi	ts are shown in brackets after each subject.
COD	DE	SUBJECT		CREDIT
TDE	700T	Thesis: Textile Desigr Technology	n and	(2,000)
TDE	700R	Thesis: Textile Desigr Technology (re-registr	n and ration)	(0,000)
TOT	AL CR	EDITS FOR THE QUA	LIFICATION:	2,000

7.4.5 SUBJECT INFORMATION

Syllabus content subject to change to accommodate industry changes.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: DISSERTATION: FINE ART FAR500T RESEARCH No formal tuition

The candidate should produce research in a chosen field that is in, about, of or through art or related fields and should contribute to knowledge production in that field. The research problem, its justification, process and outcome are reported in a dissertation. Should the candidate choose to include a practical body of work and thus produce practice-based research, the outcome of the practical component must be exhibited or presented in a public forum and should comply with the generally accepted norms of research at that level. Research protocol is controlled by an internal supervisor with whom weekly contact is encouraged. In addition, a co-supervisor with expertise in the chosen field of study may be appointed if necessary.

SUBJECT NAME: SUBJECT CODE: EVALUATION METHOD: TOTAL TUITION TIME: OVERVIEW OF SYLLABUS: DISSERTATION: TEXTILE DESIGN AND TECHNOLOGY TDE500T RESEARCH No formal futtion

The candidate should produce research in a chosen field that is in, about, of or through textile design or related fields and should contribute to knowledge production in that field. The research problem, its justification, process and outcome are reported in a dissertation. Should the candidate choose to include a practical body of work and thus produce practice-based research, the outcome of the practical component must be exhibited or presented in a public forum and should comply with the generally accepted norms of research at that level. Research protocol is controlled by an internal supervisor with whom weekly contact is encouraged. In addition, a co-supervisor with expertise in the chosen field of study may be appointed if necessary.

7.5 DEPARTMENT OF PERFORMING ARTS

7.5.1 MAGISTER TECHNOLOGIAE: DANCE Qualification code: MTDA96

a.	Admission requirement(s):	A Baccalaureus Technologiae: Dance or an equivalent qualification. A candidate should preferably have passed the subject, Research Methodology, before registering, but must definitely do so before the dissertation will be accepted.
b.	Selection criteria:	Submission of an acceptable research proposal for approval by the Faculty Higher Degrees Committee. The framework for research proposals is available from the Head of the Department.
C.	Duration:	A minimum of one year and a maximum of three years.
d.	Presentation and campus:	Arts Campus (research).
e.	Subject credits:	Subject credits are shown in brackets after each subject.
CODE SUBJECT

CREDIT

DNC500T Dissertation: Dance (1,000) DNC500R Dissertation: Dance (re-registration) (0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

7.5.2 DOCTOR TECHNOLOGIAE: DANCE Qualification code: DTDA96

REMARKS

A Magister Technologiae: Dance or an equivalent qualification. Admission requirement(s): а. Selection criteria: Submission of an acceptable research proposal for approval b. by the Faculty Higher Degrees Committee. The framework for research proposals is available from the Head of the Department. Duration: A minimum of two years and a maximum of five years. C. Presentation and campus: Arts Campus (research). d. Subject credits: Subject credits are shown in brackets after each subject. e. CODE SUBJECT CREDIT DAN700T Thesis: Dance (2,000)DAN700R Thesis: Dance (re-registration) (0,000)TOTAL CREDITS FOR THE QUALIFICATION: 2.000

7.5.3 MAGISTER TECHNOLOGIAE: MUSICAL THEATRE Qualification code: MTMT01

REMARKS

a.	Admission requirement(s):	A Baccalaureus Technologiae: Musical Theatre or an equivalent qualification. A candidate should preferably have passed the subject, Research Methodology, before registering, but must definitely do so before the dissertation will be accepted.
b.	Selection criteria:	Submission of an acceptable research proposal for approval by the Faculty Higher Degrees Committee. The framework for research proposals is available from the Head of the Department.
C.	Duration:	A minimum of one year and a maximum of three years.
d.	Presentation and campus:	Arts Campus (research).
e.	Subject credits:	Subject credits are shown in brackets after each subject.

CODE SUBJECT CREDIT

MST500T	Dissertation: Musical Theatre	(1,000)
MST500R	Dissertation: Musical Theatre	(0,000)
	(re-registration)	

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

7.6 DEPARTMENT OF VISUAL COMMUNICATION

7.6.1 MAGISTER TECHNOLOGIAE: GRAPHIC DESIGN Qualification code: MTGD99

REMARKS

a.	Admis	ssion requirement(s):	A Baccalaureu equivalent qua have passed t registering, bu will be accepte	us Technologiae: Graphic Design, or an alification. A candidate should preferably he subject, Research Methodology, before it must definitely do so before the dissertation ed.	
b.	Selection criteria: Submission by the Facul for research Department		Submission of by the Faculty for research p Department.	on of an acceptable research proposal for approval culty Higher Degrees Committee. The framework rch proposals is available from the Head of the ent.	
C.	Duration:		A minimum of one year and a maximum of three years.		
d.	Prese	ntation and campus:	Arts Campus	(research).	
e.	. Subject credits:		Subject credits are shown in brackets after each subject.		
сор	Е	SUBJECT		CREDIT	
GRD GRD	500T 500R	Dissertation: Graphic Dissertation: Graphic (re-registration)	Design Design	(1,000) (0,000)	

TOTAL CREDITS FOR THE QUALIFICATION: 1,000

7.6.2 DOCTOR TECHNOLOGIAE: GRAPHIC DESIGN Qualification code: DTGD99

RE	MARKS		
a.	Admission requirement(s):	A Magister Technologiae: Graphic Design or an equivalent qualification.	
b.	Selection criteria:	Submission of an acceptable research proposal for approva by the Faculty Higher Degrees Committee. The framework	
		for research proposals is available from the Head of the Department.	
C.	Duration:	A minimum of two years and a maximum of five years.	
d.	Presentation and campus:	Arts Campus (research).	
e.	Subject credits:	Subject credits are shown in brackets after each subject.	

CODE	SUBJECT	CREDIT
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GRD700T	Thesis: Graphic Design	(2,000)
GRD700R	Thesis: Graphic Design	(0,000)
	(re-registration)	

TOTAL CREDITS FOR THE QUALIFICATION: 2,000

7.6.3 MAGISTER TECHNOLOGIAE: INTERIOR DESIGN Qualification code: MTID96

REMARKS

a.	a. Admission requirement(s):		A Baccalaure qualification. A subject, Rese definitely do s	us Technologiae: Interior Design or an equivalent A candidate should preferably have passed the arch Methodology, before registering, but must to before the dissertation will be accepted.
b.	b. Selection criteria:		Submission o by the Faculty for research p Department.	f an acceptable research proposal for approval / Higher Degrees Committee. The framework proposals is available from the Head of the
C.	Durat	tion:	A minimum of	one year and a maximum of three years.
d.	Prese	entation and campus:	Arts Campus	(research).
e.	Subject credits:		Subject credit	s are shown in brackets after each subject.
CODE SUBJECT			CREDIT	
IND: IND:	IND500T Dissertation: Interior Design IND500R Dissertation: Interior Design (re-registration)		Design Design	(1,000) (0,000)
TOTAL CREDITS FOR THE QUALIFICATION:			LIFICATION:	1,000

7.6.4 DOCTOR TECHNOLOGIAE: INTERIOR DESIGN Qualification code: DTID96

REMARKS

a.	Admission requirement(s):	A Magister Technologiae: Interior Design or an equivalent qualification. A research proposal must be submitted.
b.	Selection criteria:	Submission of an acceptable research proposal for approval by the Faculty Higher Degrees Committee. The framework for research proposals is available from the Department.
c.	Duration:	A minimum of two years and a maximum of five years.
d.	Presentation and campus:	Arts Campus (research).
e.	Subject credits:	Subject credits are shown in brackets after each subject.

CODE SUBJECT

CREDIT

IND700T	Thesis: Interior Design	(2,000)
IND700R	Thesis: Interior Design	(0,000)
	(re-registration)	

TOTAL CREDITS FOR THE QUALIFICATION: 2,000

7.6.5 MAGISTER TECHNOLOGIAE: PHOTOGRAPHY Qualification code: MTPG95

REMARKS

a.	 Admission requirement(s): 		A Baccalaureus Technologiae: Photography or an equivalent qualification. Admission is subject to above-average examination results at the Baccalaureus Technologiae level and a personal interview. A candidate should preferably have passed the subject, Research Methodology, before registering, but must definitely do so before the dissertation will be accepted.	
b.	 Selection criteria: 		Submission of an acceptable research proposal for approval by the Faculty Higher Degrees Committee. The framework for research proposals is available from the Head of the Department.	
C.	Duration:		A minimum of one year and a maximum of three years.	
d.	. Presentation and campus:		Arts Campus (research).	
e.	Subject credits:		Subject credits are shown in brackets after each subject.	
сор	Е	SUBJECT		CREDIT
PHT: PHT:	500T 500R	Dissertation: Photogra Dissertation: Photogra (re-registration)	phy phy	(1,000) (0,000)

TOTAL CREDITS FOR THE QUALIFICATION: 1,000