

MAGISTER TECHNOLOGIAE: ENVIRONMENTAL MANAGEMENT (Structured)

Qualification code: MTEVS0 - NQF Level 8

Campus where offered: Arcadia Campus

Please note that a moratorium was placed on new intakes as from 2008, until further notice.

REMARKS

- 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, 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.
- Please note that this qualification is recommended for candidates 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 all prospective students during their personal interviews.
- 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:*
Block-mode classes and research.
- f. *Exclusion and readmission:*
See Chapter 2 of Students' Rules and Regulations.
- g. *Structure:*
This programme consists of subjects offered on a block-mode 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.
- h. *Rules on postgraduate studies:*
See Chapter 8 of the Students' Rules and Regulations for more information.
- i. *Subject credits:*
Subject credits are shown in brackets after each subject.

CURRICULUM

YEAR SUBJECTS

CODE	SUBJECT	CREDIT
ELE500T	Environmental Legislation V	(0,125)



EMG500T	Environmental Management V	(0,125)
EMG501T	Research Report: Environmental Management V (Semester subject)	(0,500)
EMG501R	Research Report: Environmental Management V Semester subject (re-registration)	(0,000)

plus two of the following subjects:

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**

SUBJECT/MODULE INFORMATION (OVERVIEW OF SYLLABUS)

The syllabus content is subject to change to accommodate industry changes. Please note that a more detailed syllabus is available at the Department or in the study guide that is applicable to a particular subject/module. On 01 August 2017, the syllabus content was defined as follows:

E

ENVIRONMENTAL ACCOUNTING V (ECC500T) 1 X 4-HOUR PAPER

(Subject custodian: Department of Environmental, Water and Earth Sciences)

Accounting theories. Cost-benefit analysis. Application in terms of life cycles. (Total tuition time: not available)

ENVIRONMENTAL CHEMISTRY V (ENC500T) 1 X 4-HOUR PAPER

(Subject custodian: Department of Environmental, Water and Earth Sciences)

Environmental engineering. Soil chemistry. Advanced atmospheric and water chemistry. Advanced hazardous waste and legislation. (Total tuition time: not available)

ENVIRONMENTAL LEGISLATION V (ELE500T) 1 X 4-HOUR PAPER

(Subject custodian: Department of Environmental, Water and Earth Sciences)

Application of environmental legislation. Advanced environmental impact study. Environmental management programmes and applied case studies. (Total tuition time: not available)

ENVIRONMENTAL MANAGEMENT V (EMG500T) 1 X 4-HOUR PAPER

(Subject custodian: Department of Environmental, Water and Earth Sciences)

Applied environmental management concepts and applications. (Total tuition time: not available)

ENVIRONMENTAL RISK ASSESSMENT V (ERA500T) 1 X 4-HOUR PAPER

(Subject custodian: Department of Environmental, Water and Earth Sciences)

Assessment of risk, hazard identification, risk characterisation. Management of risk, consideration of management option, risk communication, control decision, monitoring. (Total tuition time: not available)

G

GEOHYDROLOGY V (GEH500T) 1 X 4-HOUR PAPER

(Subject custodian: Department of Environmental, Water and Earth Sciences)

Advanced hydrochemistry, analysis of the appearance and movement of groundwater. Seminars and self-study. (Total tuition time: not available)



**RESEARCH REPORT: ENVIRONMENTAL
MANAGEMENT V (EMG501T/R)****MINI-DISSERTATION ASSESSMENT**

(Subject custodian: Department of Environmental, Water and Earth Sciences)

This subject is a research project and the student will have to write and present a research proposal. Once approved, conduct and complete the project investigation, write a mini-dissertation under the guidance of a supervisor. Present a PowerPoint presentation of the final dissertation. (Total tuition time: no formal tuition)

