University of Pretoria Yearbook 2022

MSc (Water Resource Management) (Coursework) (02250406)

Department	Genetics
Minimum duration of study	2 years
Total credits	180
NQF level	09

Programme information

The Centre for Environmental Studies is a graduate school for multidisciplinary training and research focusing on the environment. Training aims to satisfy the need for environmental professionals for implementing current environmental legislation as well as industry-driven environmental management systems.

This programme is coordinated by the Department of Microbiology and Plant Pathology.

The purpose of this focus area is to train environmental graduates who specialised in careers in the sustainable management of water resources. On completion of the training, candidates should be conversant and be able to partake in, or render advice concerning, all aspects involved in water resource management in Southern Africa. This includes principles of quality management, water conservation, water demand management, water supply and sanitation technologies.

Admission requirements

1. Relevant BScHons degree **or** four-year bachelor's degree with subjects in water management and/or water ecology
2. A weighted average of at least 65% at final-year level
3. An admission examination may be required
4. A CV with contactable references may be required

Additional requirements

Candidates must demonstrate proficiency in the English language up to the level required by either the TOEFL test (www.ets.org/toefl) or the IELTS language proficiency test (www.ielts.org).

Other programme-specific information

At least one additional elective module must be selected in consultation with the Director of the Centre and the Head of the Department of Microbiology and Plant Pathology. Choice of electives will be based on the academic background and/or anticipated career of the candidate.

Promotion to next study year

The progress of all master's candidates is monitored biannually by the supervisor and the postgraduate coordinator. A candidate's study may be terminated if the progress is unsatisfactory or if the candidate is unable to finish his/her studies during the prescribed period.

Subject to exceptions approved by the Dean, on recommendation of the relevant head of department, and where applicable, a student may not enter for the master's examination in the same module more than twice.

Curriculum: Year 1

Minimum credits: 180

At least one additional elective module must be selected in consultation with the Director of the Centre and the Head of the Department of Microbiology and Plant Pathology. Choice of electives will be based on the academic background and/or anticipated career of the candidate.

Core modules

Environmental paradigms 810 (ENV 810) - Credits: 15.00
Environmental law 816 (ENV 816) - Credits: 15.00
Mini-dissertation 891 (ENV 891) - Credits: 90.00
Water quality management 810 (EWM 810) - Credits: 15.00
Water conservation and demand management 821 (EWM 821) - Credits: 15.00
Water supply and sanitation 822 (EWM 822) - Credits: 15.00

Elective modules

Environment and development 811 (ENS 811) - Credits: 15.00
Strategic environmental management 822 (ENS 822) - Credits: 15.00
Social modelling and assessment 824 (ENS 824) - Credits: 15.00
International environmental management systems 822 (ENV 822) - Credits: 15.00
Trees in a multifunctional landscape 833 (ENV 833) - Credits: 15.00
Forest ecology and management 835 (FOR 835) - Credits: 15.00
Environmental change 881 (OMS 881) - Credits: 15.00

Curriculum: Final year

Minimum credits: 180

Core modules

Environmental paradigms 810 (ENV 810) - Credits: 15.00
Environmental law 816 (ENV 816) - Credits: 15.00
Mini-dissertation 891 (ENV 891) - Credits: 90.00
Water quality management 810 (EWM 810) - Credits: 15.00
Water conservation and demand management 821 (EWM 821) - Credits: 15.00
Water supply and sanitation 822 (EWM 822) - Credits: 15.00

Elective modules

Environment and development 811 (ENS 811) - Credits: 15.00
Strategic environmental management 822 (ENS 822) - Credits: 15.00
Social modelling and assessment 824 (ENS 824) - Credits: 15.00
International environmental management systems 822 (ENV 822) - Credits: 15.00
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The regulations and rules for the degrees published here are subject to change and may be amended after the publication of this information.

The General Academic Regulations (G Regulations) and General Student Rules apply to all faculties and registered students of the University, as well as all prospective students who have accepted an offer of a place at the University of Pretoria. On registering for a programme, the student bears the responsibility of ensuring that they familiarise themselves with the General Academic Regulations applicable to their registration, as well as the relevant faculty-specific and programme-specific regulations and information as stipulated in the relevant yearbook. Ignorance concerning these regulations will not be accepted as an excuse for any transgression, or basis for an exception to any of the aforementioned regulations.