

# University of Pretoria Yearbook 2021

## 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.

The MSc degree is conferred on the grounds of a dissertation and such additional postgraduate coursework as may be prescribed.

### Renewal of registration

As long as progress is satisfactory, renewal of the registration of a master's student will be accepted for the second year of the study. Registration for a third and subsequent years will only take place when the Student Administration of the Faculty receives a written motivation that is supported by the relevant head of department and Postgraduate Studies Committee.

### General

Candidates are required to familiarise themselves with the General Regulations regarding the maximum period of registration and the requirements on the submission of a draft article for publication.

### 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](http://www.ets.org/toefl)) or the IELTS language proficiency test ([www.ielts.org](http://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.

## Pass with distinction

The MSc degree is conferred with distinction to candidates who obtain a final average mark of at least 75% and a mark of at least 75% for the dissertation/mini-dissertation from each of the members of the examination panel. Where a member of the examination panel awards a mark of less than 75% for the dissertation/mini-dissertation, that member of the examination panel must offer, in writing, support for his/her decision, or indicate in writing that he/she supports the examination committee's decision to confer the degree with distinction.

## Curriculum: Year 1

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



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## Curriculum: Final year

### 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

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The information published here is subject to change and may be amended after the publication of this information. The [General Regulations \(G Regulations\)](#) apply to all faculties of the University of Pretoria. It is expected of students to familiarise themselves well with these regulations as well as with the information contained in the [General Rules](#) section. Ignorance concerning these regulations and rules will not be accepted as an excuse for any transgression.