

University of Pretoria Yearbook 2022

MSc (Environmental Ecology) (Coursework) (02250404)

Department Zoology and Entomology

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.

Coordinated by the Department of Zoology and Entomology.

The purpose of this focus area is to train environmental graduates who specialised in careers in the ecology of the environment, including conservation planning, environmental management and air quality management. On completion of the training, candidates should be conversant and be able to partake in, or render advice concerning, all aspects involved in the management of the ecological consequences of human existence. This includes a thorough grounding in ecosystem structure, composition and function, ecosystem services, notions of ecosystem health, the management of declining and small populations, captive propagation, control of invasive species, species and community restoration, conservation education, local communities and conservation, as well as aspects of biogeography and macro-ecology, conservation planning and monitoring, the structure, composition and function of biological communities, population and community variability.

Admission requirements

1. Relevant BScHons degree with mathematics and statistics passed at first-year level **or** relevant four-year BSc degree with mathematics and statistics passed at first-year level
2. A weighted average of at least 65% at honours or final-year level
3. An admission examination may be required
4. A CV with contactable references may be required

Note: Additional modules may be required in order to reach the desired standard

Other programme-specific information

One of the listed specialisation modules may be substituted with an elective module subject to the approval of the Director of the Centre. Choice of an elective is based on the academic background and/or anticipated career of the student but is expected to be relevant to either conservation biology or sustainable forestry management.



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

Programme information:

Minimum credit: 180

Core credits: 120

Elective credits: 60

Core modules

[Environmental paradigms 810](#) (ENV 810) - Credits: 15.00

[Environmental law 816](#) (ENV 816) - Credits: 15.00

[Trees in a multifunctional landscape 833](#) (ENV 833) - Credits: 15.00

[Mini-dissertation 891](#) (ENV 891) - Credits: 90.00

Elective modules

[Environment and development 811](#) (ENS 811) - Credits: 15.00

[Strategic environmental management 822](#) (ENS 822) - Credits: 15.00

[Environment and land reform 823](#) (ENS 823) - Credits: 15.00

[Social modelling and assessment 824](#) (ENS 824) - Credits: 15.00

[International environmental management systems 822](#) (ENV 822) - Credits: 15.00

[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

[Forest ecology and management 835](#) (FOR 835) - 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

Trees in a multifunctional landscape 833 (ENV 833) - Credits: 15.00

Mini-dissertation 891 (ENV 891) - Credits: 90.00

Elective modules

Environment and development 811 (ENS 811) - Credits: 15.00

Strategic environmental management 822 (ENS 822) - Credits: 15.00

Environment and land reform 823 (ENS 823) - Credits: 15.00

Social modelling and assessment 824 (ENS 824) - Credits: 15.00

International environmental management systems 822 (ENV 822) - Credits: 15.00

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

Forest ecology and management 835 (FOR 835) - Credits: 15.00

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.