



# University of Pretoria Yearbook 2020

## MSc Epidemiology (10253324)

**Minimum duration of study** 2 years

**Total credits** 180

**NQF level** 09

### Admission requirements

- A four-year bachelor's degree is required or an honours degree.
- In the case of a three-year bachelor's degree also applicable practical (work) experience as prescribed by the University plus any other additional work deemed necessary by the head of department:
- With the proviso that the head of department will have the discretion to decide whether the prerequisite qualification or the qualification plus work experience would be acceptable for admission to the proposed field of study.

### Additional requirements

All MSc students must register for, and attend (TNM 802) Applied research methodology 802 satisfactorily. (Exemption may be granted if the module has already been passed for the BScHons degree.) However, MSc(Pharmacology) students must register for FAR 872 instead of TNM 802.

Also consult General Regulations.

### Other programme-specific information

**Please note:** The choice of elective modules has to be approved by the supervisor.

Subject to the stipulations of the General Regulations, the Chairperson of the School may, in consultation with the relevant head of department, approve a fixed limited extension of the period on the grounds of extraordinary circumstances.

### Examinations and pass requirements

- i. The minimum pass mark for a module is 50%.
- ii. The prescribed modules must be passed independently of each other.
- iii. Second examinations in the modules are arranged by the relevant head of department, within a period of time specified by him or her.
- iv. No second examinations will be granted in modules in which less than 40% has been obtained. Instead, the module must be repeated in its entirety.
- v. Only with the approval of the Chairperson of the School, on the recommendation of the relevant head of department, will a student be allowed to continue his or her studies after having failed two modules (or the



same module twice).

## Research information

### Research protocol

After registration, a student is required to submit a complete research protocol regarding the proposed dissertation to the Academic Advisory Committee and if necessary, also to the Ethics Committee for approval.

### Dissertation

A dissertation on an approved research project must be passed in addition to the coursework. The stipulations of the General Regulations regarding the preparation and submission, the technical editing and the résumé of the dissertation apply.

A systematic literature review (Cochrane type) on an approved subject, which is undertaken in such a manner that bias is minimised, may be presented as an alternative to the dissertation for awarding the MSc degree, provided that the module CLI 870 Principles of clinical epidemiology has been successfully completed. It requires, inter alia, a research protocol with clearly formulated objectives and methods. Inclusion and exclusion methods for the study must be determined. Where applicable, the data must be summarised (meta analysis), with applicable statistical methods.

## Pass with distinction

The average mark of the modules, weighted in respect of the number of credits acquired for each individual module, will be the final mark (%) of the coursework.

The degree is conferred with distinction on a student who obtains an average mark of at least 75% in the coursework, as well as a final mark of at least 75% for the dissertation.



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## Curriculum: Year 1

### Fundamental modules

Scientific writing 873 (HMS 873) - Credits: 0.00

Learning in public health 873 (PHM 873) - Credits: 0.00

Applied research methodology 802 (TNM 802) - Credits: 0.00

### Core modules

Biostatistics 1 874 (BOS 874) - Credits: 10.00

Biostatistics 2 875 (BOS 875) - Credits: 10.00

Mini-dissertation: Epidemiology 890 (EPI 890) - Credits: 100.00

Epidemiology 2 870 (EPM 870) - Credits: 10.00

Epidemiology 1 874 (HME 874) - Credits: 10.00

### Elective modules

Survival analysis 873 (BOS 873) - Credits: 5.00

Principles: Chronic disease epidemiology 870 (CDE 870) - Credits: 5.00

Infectious disease epidemiology 870 (CDT 870) - Credits: 5.00

Principles of clinical epidemiology 872 (CLI 872) - Credits: 10.00

Health risk assessment 871 (EHM 871) - Credits: 10.00

Methods in exposure assessment 872 (EHM 872) - Credits: 10.00

Environmental epidemiology 871 (EOM 871) - Credits: 10.00

Conducting surveys 873 (EPM 873) - Credits: 10.00

Disease surveillance 874 (EPM 874) - Credits: 5.00

Monitoring and evaluation 875 (HME 875) - Credits: 15.00

Qualitative research methods 870 (QHR 870) - Credits: 10.00

Principles of quality assurance 872 (TQM 872) - Credits: 10.00



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## Curriculum: Final year

### Fundamental modules

- Scientific writing 873 (HMS 873) - Credits: 0.00
- Learning in public health 873 (PHM 873) - Credits: 0.00
- Applied research methodology 802 (TNM 802) - Credits: 0.00

### Core modules

- Biostatistics 1 874 (BOS 874) - Credits: 10.00
- Biostatistics 2 875 (BOS 875) - Credits: 10.00
- Mini-dissertation: Epidemiology 890 (EPI 890) - Credits: 100.00
- Epidemiology 2 870 (EPM 870) - Credits: 10.00
- Epidemiology 1 874 (HME 874) - Credits: 10.00

### Elective modules

- Survival analysis 873 (BOS 873) - Credits: 5.00
- Principles: Chronic disease epidemiology 870 (CDE 870) - Credits: 5.00
- Infectious disease epidemiology 870 (CDT 870) - Credits: 5.00
- Principles of clinical epidemiology 872 (CLI 872) - Credits: 10.00
- Health risk assessment 871 (EHM 871) - Credits: 10.00
- Methods in exposure assessment 872 (EHM 872) - Credits: 10.00
- Environmental epidemiology 871 (EOM 871) - Credits: 10.00
- Conducting surveys 873 (EPM 873) - Credits: 10.00
- Disease surveillance 874 (EPM 874) - Credits: 5.00
- Monitoring and evaluation 875 (HME 875) - Credits: 15.00
- Qualitative research methods 870 (QHR 870) - Credits: 10.00
- Principles of quality assurance 872 (TQM 872) - Credits: 10.00

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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.