

University of Pretoria Yearbook 2025

Master of Medical Pharmacology [MPharmMed] (10256002)

Department Pharmacology

Minimum duration of study 3 years

Total credits 422

NQF level 09

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Admission requirements

1. Bachelor of Medicine and Surgery (or equivalent) degree
or
Relevant medical degree with modules equivalent to at least the first two years of the Bachelor of Medicine and Surgery degree
2. Currently registered as a physician with the Health Professions Council of South Africa (HPCSA) and must have been registered for at least one year

Additional requirements

Also consult General Academic Regulations G30-G41.

Examinations and pass requirements

- i. The examinations for each year of study will take place during the summer examination period.
- ii. To pass in a module, a minimum final mark of 50% is required.
- iii. In addition to the examination, a student will be required to complete all practical work (WKT 881; WKT 882; WKT 883) satisfactorily, as well as prepare a research report (NAV 882) and pass the final research report (NAV 883) (minimum pass mark 50%), in order to comply with all the requirements for the degree.
- iv. Supplementary examinations will not be held until at least six months have elapsed since conclusion of the examination in which the student failed.

Pass with distinction

The degree will be conferred with distinction on a student who has obtained a final mark of at least 75% in the following modules:



- i. Medical pharmacology (MFM 802, MFM 803)
- ii. Pharmacokinetics and pharmacodynamics 802 and 803 (FFD 802, FFD 803)
- iii. The Research report (NAV 883) in the final year of study.

Curriculum: Year 1

Core modules

Principles of clinical epidemiology 872 (CLI 872)

Module credits	10.00
NQF Level	09
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	School of Health Systems and Public Health
Period of presentation	Year

Pharmaco-kinetics and pharmaco-dynamics 801 (FFD 801)

Module credits	30.00
NQF Level	09
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Pharmacology
Period of presentation	Year

Medical biostatistics 800 (MBS 800)

Module credits	20.00
NQF Level	09
Prerequisites	No prerequisites.
Contact time	1 lecture per week
Language of tuition	Module is presented in English
Department	Statistics
Period of presentation	Semester 1

Module content

The role of statistics and the data analysis process, collecting data sensibly, graphical methods for describing data, numerical methods for describing data, summarizing bivariate data, probability, random variables and probability distributions, sampling variability and sampling distributions, estimation using a single sample, hypothesis testing using a single sample, comparing two populations or treatments, the analysis of categorical data and goodness-of-fit tests, simple linear regression and correlation: inferential methods, multiple regression analysis, analysis of variance, nonparametric (distribution-free) statistical methods. This course is designed as a statistics building block for a non-statistics major postgraduate student at honours level.



Medical pharmacology 801 (MFM 801)

Module credits	30.00
NQF Level	09
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Pharmacology
Period of presentation	Year

Applied research methodology 802 (TNM 802)

Module credits	0.00
NQF Level	09
Language of tuition	Module is presented in English
Department	Health Sciences Dean's Office
Period of presentation	Year

Module content

*Attendance module only.

Practical work and work assignments 881 (WKT 881)

Module credits	40.00
NQF Level	09
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Pharmacology
Period of presentation	Year

Curriculum: Year 2

Core modules

Evidence-based medicine 873 (CLI 873)

Module credits	12.00
NQF Level	09
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	School of Health Systems and Public Health
Period of presentation	Year

Pharmaco-kinetics and pharmaco-dynamics 802 (FFD 802)

Module credits	30.00
NQF Level	09
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Pharmacology
Period of presentation	Year

Medical pharmacology 802 (MFM 802)

Module credits	30.00
NQF Level	09
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Pharmacology
Period of presentation	Year

Research report: Preparation 882 (NAV 882)

Module credits	40.00
NQF Level	09
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Pharmacology
Period of presentation	Year



Practical work and work assignments 882 (WKT 882)

Module credits	40.00
NQF Level	09
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Pharmacology
Period of presentation	Year

Curriculum: Final year

Core modules

Pharmaco-kinetics and pharmaco-dynamics 803 (FFD 803)

Module credits	30.00
NQF Level	09
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Pharmacology
Period of presentation	Year

Medical pharmacology 803 (MFM 803)

Module credits	30.00
NQF Level	09
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Pharmacology
Period of presentation	Year

Research report 883 (NAV 883)

Module credits	40.00
NQF Level	09
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Pharmacology
Period of presentation	Year

Practical work and work assignments 883 (WKT 883)

Module credits	40.00
NQF Level	09
Prerequisites	No prerequisites.
Contact time	1 discussion class per week, 1 seminar per week
Language of tuition	Module is presented in English
Department	Pharmacology
Period of presentation	Year

General Academic Regulations and Student Rules

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. The G Regulations are updated annually and may be amended after the publication of this information.

Regulations, degree requirements and information

The faculty regulations, information on and requirements for the degrees published here are subject to change and may be amended after the publication of this information.

University of Pretoria Programme Qualification Mix (PQM) verification project

The higher education sector has undergone an extensive alignment to the Higher Education Qualification Sub-Framework (HEQSF) across all institutions in South Africa. In order to comply with the HEQSF, all institutions are legally required to participate in a national initiative led by regulatory bodies such as the Department of Higher Education and Training (DHET), the Council on Higher Education (CHE), and the South African Qualifications Authority (SAQA). The University of Pretoria is presently engaged in an ongoing effort to align its qualifications and programmes with the HEQSF criteria. Current and prospective students should take note that changes to UP qualification and programme names, may occur as a result of the HEQSF initiative. Students are advised to contact their faculties if they have any questions.