

University of Pretoria Yearbook 2024

BScHons *Pharmacology* (10243162)

Department Pharmacology

Minimum duration of study 1 year

Total credits 120

NQF level 08

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Programme information

The following requirements are set for completing the programme:

- Satisfactory attendance and contributions during theoretical and practical components of the course.
- Must pass the four module tests, including theoretical and practical examination.
- Attendance of weekly research meetings, where students will present their project progress.
- Practical experience of the laboratory techniques used in the particular subsections of the subject.
- Attendance at the compulsory faculty module (TNM 700) Applied research methodology 700.
- Attendance at the prescribed module (MBS 700) Medical Biostatistics 700.
- Taking part in a research project and presentation of an independent research report.
- Satisfactory attendance of a library-user course.

Admission requirements

1. Relevant bachelor's (or equivalent) degree with at least one applicable biological subject as a major
2. A suitable pharmacology background in a biological degree in which pharmacological concepts and treatments have been discussed, including the pharmacokinetics, pharmacodynamics and toxicology thereof
3. Undergraduate FAR 381 and FAR 382 (or equivalents thereof) must be completed with a minimum module average of 60%. In exceptional circumstances based on the approval of the selection committee, candidates who have not completed undergraduate pharmacology will need to complete these modules in the honours year for non-degree purposes.
4. Interview with the HOD, programme coordinator and supervisors may be required
5. Letter of motivation

Note: Compliance with the minimum admission requirements does not necessarily guarantee admission to the programme.

Additional requirements

The prerequisites for admission to the honours degree in certain fields of study are indicated in the syllabuses of the specific department.

Also consult current General Academic Regulations.

Examinations and pass requirements

- i. The examination at the end of the programme will consist of two written papers of three hours each as well as an oral presentation.
- ii. The maximum period for completion of the honours degree, is one year.
- iii. To comply with the pass requirements for the degree, a student must obtain a final mark of at least 50% in the theory component, as well as a mark of at least 50% for the practical/research study.

Pass with distinction

The degree is conferred with distinction on a student who has obtained at least 75% in the examination of the core module, FAR 705 (written, oral, practical, etc.).

Curriculum: Final year

Minimum credits: 120

Core modules

Pharmacology 705 (FAR 705)

Module credits	100.00
NQF Level	08
Prerequisites	No prerequisites.
Contact time	1 seminar per week, 1 tutorial per week, 16 hours per week, 6 lectures per week
Language of tuition	Module is presented in English
Department	Pharmacology
Period of presentation	Year

Module content

Covers the following topics: Immunology, pain and inflammation, pharmacokinetics, wound healing, proteomics, pharmacogenetics, law, pharmaceuticals, traditional and plant-based medicines, lifestyle disorders, drug/drug interactions, drug adverse effects, malaria, cancer and malignancies and psycho/neuropharmacology, Good Clinical Practice (GCP), Good Laboratory Practice (GLP). Practicals are as per study guide.

Medical biostatistics 700 (MBS 700)

Module credits	20.00
NQF Level	08
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 master's level.

Applied research methodology 700 (TNM 700)

Module credits	0.00
NQF Level	08

Language of tuition Module is presented in English

Department School of Medicine

Period of presentation Semester 1

Module content

*Attendance module only.

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.