University of Pretoria Yearbook 2023

MMed (Nuclear Medicine) (10250382)

Department	Nuclear Medicine
Minimum duration of study	4 years
Total credits	624
NQF level	09

Programme information

Please note:

i. All MMed students must register for, and attend (TNM 802) Applied research methodology 802 satisfactorily, preferably during the intermediate phase/ after completion of Part 1 and before sitting for Part 2 of the MMed.
ii. All MMed students must submit a dissertation (MMS 890) which must be assessed as satisfactory by an external examiner, or a research article that has been accepted for publication in a subsidised periodical. The student must be the first author of the article. An ordinary literature review will not be accepted.The research proposal must be approved by the MMed Protocol Committee prior to the intermediate exam (surgical disciplines) or otherwise within two years of enrolment (other disciplines). It is in the best interest of the candidate to complete the research component prior to the exit exam and if not possible, preferably to postpone the exam. If the exam is to be written in Semester 2 of the 4th year the dissertation should be submitted 1 September of the 4th year. If this is not the case, the supervisor should complete and sign the necessary documentation, stipulating that the candidate will complete the project within the next 3 to 6 months. The dissertation must be submitted prior to the taking of the CMSA fellowship examination.
iii. 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 MMed (Public Health Medicine) degree, It requires, inter alia, a 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. This alternative is in special cases applicable to other MMed degrees.

Registrarship:

Inquire at the relevant head of department regarding the availability of registrarships for the specialisation.

Each student must prove to the University that he or she

i. has successfully filled the required full-time training post for a period of four or five years according to the requirements of the relevant department at the Steve Biko Academic Hospital, (in case of pathology registrars) or Kalafong Hospital or at an institution recognised by the University as equivalent;
ii. has completed the theoretical, practical, clinical and applicable training as stipulated;
iii. has passed the prescribed written, oral, practical and/or clinical university examinations, and
iv. has successfully completed the research component of the degree.

Admission requirements

1. MBChB (or equivalent) degree **or** relevant medical degree with modules equivalent to at least the first two years of the MBChB 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

Other programme-specific information

If a student specialises in Nuclear Medicine after having obtained the MMed in Radiological Diagnostics, Radiation Oncology or Internal Medicine, the duration will be three years.

"Major subject" refers to the recognised field of study in Medicine in which the student specialises. The study of the major subject extends over four or five years, as prescribed by the relevant department.

Examinations and pass requirements

i. The sequence of the examinations in the prerequisite subjects will be determined by the head of the department under which the major subject falls.
ii. The nature, duration and time of the examinations in the prerequisite subjects are determined in cooperation with the heads of the departments under which the prerequisite subjects fall – with the proviso that, except in cases where stipulated otherwise, the examinations in the prerequisite subjects may be held at any time prior to or concurrently with the major subject. The examinations in the major subjects are held as follows:
iii. In the case of four-year programmes: not before the end of the third year.
iv. In the case of five-year programmes: not before the end of the fourth year.
v. A minimum final mark of 50% is required by all departments to pass in a subject and in the clinical section of the examination, a subminimum of 50%. General Academic Regulations apply.
vi. A student is not admitted to the examination in a prerequisite subject (supplementary examinations excluded) more than twice, nor is he or she admitted to the examination in the major subject more than twice.

Note: Certificates of satisfactory preparation and progress are required in respect of the fourth year of four-year programmes in which an examination is held at the end of the third year.

Supplementary examinations
Supplementary examinations for MMed students will only be held after at least six months have elapsed since the conclusion of the examination in which the student had failed.

Rules governing the writing of the examinations of the College of Medicine of South Africa [CMSA]

i. Only candidates who have met all requirements for the MMed degree except for the major subject (final examination), i.e. passed all prerequisite subjects (the latter to be interchangeable; can be passed either at the University or as primary and intermediary examinations at the College of Medicine of South Africa [CMSA], completed all practical, clinical and applicable training of four or five years as prescribed by the relevant academic department (continuous evaluation of the candidate, in an approved registrar post, by the head of department of the candidate); and completed the required research component for the degree in accordance with the Faculty Yearbook regulations, i.e. Applied research methodology 800 (TNM 800) and the dissertation (MMS 800) or an article (not an ordinary literature review) that has been accepted for publication in a subsidised periodical, will be allowed to write the college examination (exit examination), after which they will

obtain both the CMSA fellowship and the MMed as specialist qualifications.

ii. The rules have been effective as from 1 January 2011. As a transitional measure, cases will be considered on an individual basis where necessary.

Exemption

i. The Faculty Board may grant partial exemption from the training and work mentioned under par. (b) and (c)(i) and (ii) above on the grounds of comparable training and experience completed in another post or at another recognised institution – with the proviso that exemption from a maximum period of 18 months may be granted with regard to four-year and five-year programmes.

ii. Exemption from a maximum of three years may be granted by the Department of Medical Oncology for the MMed in Medical Oncology [MMed(MedOnc)] on the grounds of the MMed(Int) or MMed(Paed) degree of this University, or experience recognised by the University as equivalent.

iii. Specific prerequisite subjects must be passed within 24 months after commencement of the programme.

Pass with distinction

The degree is conferred at the end of the prescribed training period (i.e. three, four or five years, respectively). The degree is conferred with distinction on a student who has obtained a final mark of at least 75% in his or her major subject.

General information

Registrars

Departments expect registrars to participate increasingly in the examining and treatment of patients in the hospital, both in-patients and out-patients, as well as performing and interpreting tests in the laboratory (where applicable); initially under supervision and later increasingly at their own responsibility. Lectures/symposia with closely related departments are organised, as well as discussions of literature, etc.

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 (HEQF) 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.

Curriculum: Year 1

Minimum credits: 660

Core modules

Anatomy 809 (ANA 809)

Module credits	36.00
NQF Level	09
Prerequisites	No prerequisites.
Contact time	1 discussion class per week, 1 lecture per week
Language of tuition	Module is presented in English
Department	Anatomy
Period of presentation	Year

Physiology 801 (FSG 801)

Module credits	36.00
NQF Level	09
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Physiology
Period of presentation	Year

Nuclear medicine 801 (KDE 801)

Module credits	300.00
NQF Level	09
Prerequisites	ANA 809, FSG 801, KDE 802, PAG 801, RCF 800
Language of tuition	Module is presented in English
Department	Nuclear Medicine
Period of presentation	Year

Nuclear physics 802 (KDE 802)

Module credits	36.00
NQF Level	09
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Nuclear Medicine

Period of presentation	Year

Dissertation 890 (MMS 890)

Module credits	180.00
NQF Level	09
Language of tuition	Module is presented in English
Department	School of Medicine
Period of presentation	Year

Radiobiology, chemistry and pharmacology 800 (RCF 800)

Module credits	36.00
NQF Level	09
Prerequisites	No prerequisites.
Contact time	1 discussion class per week, 2 lectures per week
Language of tuition	Module is presented in English
Department	Nuclear Medicine
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 Deans Office
Period of presentation	Year

Module content

*Attendance module only.

Curriculum: Year 2

Minimum credits: 660

Core modules

Anatomy 809 (ANA 809)

Module credits	36.00
NQF Level	09
Prerequisites	No prerequisites.
Contact time	1 discussion class per week, 1 lecture per week
Language of tuition	Module is presented in English
Department	Anatomy
Period of presentation	Year

Physiology 801 (FSG 801)

Module credits	36.00
NQF Level	09
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Physiology
Period of presentation	Year

Nuclear medicine 801 (KDE 801)

Module credits	300.00
NQF Level	09
Prerequisites	ANA 809, FSG 801, KDE 802, PAG 801, RCF 800
Language of tuition	Module is presented in English
Department	Nuclear Medicine
Period of presentation	Year

Nuclear physics 802 (KDE 802)

Module credits	36.00
NQF Level	09
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Nuclear Medicine

Period of presentation	Year

Dissertation 890 (MMS 890)

Module credits	180.00
NQF Level	09
Language of tuition	Module is presented in English
Department	School of Medicine
Period of presentation	Year

Radiobiology, chemistry and pharmacology 800 (RCF 800)

Module credits	36.00
NQF Level	09
Prerequisites	No prerequisites.
Contact time	1 discussion class per week, 2 lectures per week
Language of tuition	Module is presented in English
Department	Nuclear Medicine
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 Deans Office
Period of presentation	Year

Module content

*Attendance module only.

Curriculum: Year 3

Minimum credits: 660

Core modules

Anatomy 809 (ANA 809)

Module credits	36.00
NQF Level	09
Prerequisites	No prerequisites.
Contact time	1 discussion class per week, 1 lecture per week
Language of tuition	Module is presented in English
Department	Anatomy
Period of presentation	Year

Physiology 801 (FSG 801)

Module credits	36.00
NQF Level	09
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Physiology
Period of presentation	Year

Nuclear medicine 801 (KDE 801)

Module credits	300.00
NQF Level	09
Prerequisites	ANA 809, FSG 801, KDE 802, PAG 801, RCF 800
Language of tuition	Module is presented in English
Department	Nuclear Medicine
Period of presentation	Year

Nuclear physics 802 (KDE 802)

Module credits	36.00
NQF Level	09
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Nuclear Medicine

Period of presentation	Year

Dissertation 890 (MMS 890)

Module credits	180.00
NQF Level	09
Language of tuition	Module is presented in English
Department	School of Medicine
Period of presentation	Year

Radiobiology, chemistry and pharmacology 800 (RCF 800)

Module credits	36.00
NQF Level	09
Prerequisites	No prerequisites.
Contact time	1 discussion class per week, 2 lectures per week
Language of tuition	Module is presented in English
Department	Nuclear Medicine
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 Deans Office
Period of presentation	Year

Module content

*Attendance module only.

Curriculum: Final year

Minimum credits: 480

Core modules

Nuclear medicine 801 (KDE 801)

Module credits	300.00
NQF Level	09
Prerequisites	ANA 809, FSG 801, KDE 802, PAG 801, RCF 800
Language of tuition	Module is presented in English
Department	Nuclear Medicine
Period of presentation	Year

Dissertation 890 (MMS 890)

Module credits	180.00
NQF Level	09
Language of tuition	Module is presented in English
Department	School of Medicine
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 Deans Office
Period of presentation	Year

Module content

*Attendance module only.

Regulations and rules

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.

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