

University of Pretoria Yearbook 2020

BRadHons Nuclear Medicine (10247016)

Minimum duration of study 1 year

Total credits 120

NQF level 08

Programme information

Students who specialised at undergraduate level (i.e. from the second year of study) in Nuclear Medicine, register according to this curriculum.

Admission requirements

- The BRad degree, the Bachelor in Technology: Radiography or an equivalent qualification in the relevant field of specialisation.
- The candidate must have access to equipment and patients in a healthcare facility approved by the Department, for the purpose of undertaking work-integrated learning associated with the programme in which the student will be registered.
- The candidate must be registered as radiographer with the Health Professions Councils of South Africa (HPCSA) (for candidates who are South African Citizens).
- International students will be registered with the HPCSA as postgraduate students.
- Admission is subject to the approval of the head of department: with the proviso that a candidate must have obtained an average of more than 60% in the modules of his or her final year of the bachelor's degree study.
- Candidates who do not meet this requirement will be expected to pass the BRadHons bridging programme as stipulated by the Department.
- Successful completion of a research methodology module with a minimum credit weighting of 16 credits in the prerequisite degree.

Additional requirements

- All students must register for NVB 700 Research principles.

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Also consult the General Regulations.

Examinations and pass requirements

Second examinations may be granted in modules not passed, according to the stipulations of the School of Healthcare Sciences in this regard.



Pass with distinction

The degree is conferred with distinction on a student who has obtained an average of at least 75% in all the modules for the degree.



Curriculum: Final year

Minimum credits: 120

Fundamental modules

Research principles 700 (NVB 700)

Module credits 5.00

Prerequisites No prerequisites.

Contact time 1 discussion class per week

Language of tuition Module is presented in English

Department Radiography

Period of presentation Semester 1

Module content

Development and submission of a research protocol.

Core modules

Instrumentation 700 (INX 700)

Module credits 25.00

Prerequisites No prerequisites.

Contact time 1 discussion class per week, 1 lecture per week, 1 practical per week

Language of tuition Module is presented in English

Department Radiography

Period of presentation Year

Module content

PET/CT. PET/MRI. Hybrid image reconstruction technology.

Nuclear medicine 700 (KDE 700)

Module credits 30.00

Prerequisites No prerequisites.

Contact time 1 discussion class per week, 1 lecture per week, 1 practical per week

Language of tuition Module is presented in English

Department Radiography

Period of presentation Year

Module content

Advanced imaging and processing techniques. Procedures involving the use of emerging technologies and radiopharmaceuticals. Paediatric nuclear medicine diagnostic imaging. Management and administration of therapeutic radiopharmaceuticals. Radiation safety aspects.

Comprehensive quality assurance and unit management. Establishing nuclear medicine services. Advanced concepts, current quality management theory, accreditation, and audit documentation. Basic principles and practices necessary for effective supervision and leadership in a healthcare environment. Principles and practices in human resource management in healthcare settings.

Radiopharmacology 700 (RDF 700)

Module credits 30.00

Prerequisites No prerequisites.

Contact time 1 discussion class per week, 1 lecture per week, 1 seminar per week

Language of tuition Module is presented in English

Department Radiography

Period of presentation Year

Module content

Radiopharmaceutical development trial processes and novel applications.

Research report: Radiography 700 (RSK 700)

Module credits 30.00

Prerequisites No prerequisites.

Contact time as scheduled with study leader

Language of tuition Module is presented in English

Department Radiography

Period of presentation Year

Module content

Continuation of the research process which includes the implementation of the approved research protocol and writing up a research essay of the completed research project.

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.