

University of Pretoria Yearbook 2016

PhD Medical Physics (10260541)

Duration of study 2 years

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Programme information

A PhD student must:

- under the supervision of a supervisor at the university or another institution approved by the Senate, undertake original research to the satisfaction of the examiners; and
- submit a thesis which will prove, according to the opinion of the examiners, that he or she has, on the grounds of independent critical judgement, made a distinct contribution towards the enrichment of knowledge in the chosen subject.

A student for the PhD degree must be registered for the doctoral degree study at the University for at least one academic year before the degree can be conferred.

The PhD degree is conferred by virtue of a thesis and, should the Dean deem it necessary, an examination on the field of study of the thesis.

The maximum period for completion of a doctoral degree is three years. Under exceptional circumstances, a student may apply to the head of the department, in writing, for a fixed, limited extension of this period.

Admission requirements

Subject to the stipulations of the General Regulations, a candidate will only be admitted to the studies for the doctoral degree if he or she holds a MBChB or a master's degree or has been granted the equivalent status.

Additional requirements

Also consult General Regulations. Please note: All PhD students must register for, and attend TNM 800 Applied research methodology 800 satisfactorily. (Exemption will be granted if Applied research methodology 800 had been passed for the master's degree.) However, students following the specialisation Pharmacology for this degree, register for (FAR 872) Pharmacology: Introduction to laboratory research and techniques 872, instead of TNM 800.

Examinations and pass requirements

The doctoral examination will be oral and/or written and will deal with the content of the thesis as well as those subdivisions of the field of study on which the thesis is based, if requested.

Research information

A complete research protocol regarding the proposed thesis (as well as the curriculum vitae of the candidate) must be submitted to the Postgraduate committee of the School in question and if necessary, also to the Ethics Committee for approval. The thesis must deal with a problem from any field of study in the Health Sciences and must satisfy the supervisor and the examiners that it represents advanced original research and/or creative work in the field of the Health Sciences. It must give an overview of the literature that was used on the topic and contain a description of the observations made and experiments done by the student, as well as a discussion of the conclusions reached.



Curriculum: Year 1

Core modules

Thesis: Medical physics 990 (GNF 990)

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|-------------------------------|--------------------|
| Module credits | 480.00 |
| Prerequisites | No prerequisites. |
| Language of tuition | Both Afr and Eng |
| Academic organisation | Radiation Oncology |
| Period of presentation | Year |

Applied research methodology 800 (TNM 800)

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|-------------------------------|--------------------------------|
| Module credits | 5.00 |
| Prerequisites | BOS 870 |
| Language of tuition | English |
| Academic organisation | School of Health Syst & Public |
| Period of presentation | Year |

Module content

*Attendance module only

Curriculum: Final year

Core modules

Thesis: Medical physics 990 (GNF 990)

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|-------------------------------|--------------------|
| Module credits | 480.00 |
| Prerequisites | No prerequisites. |
| Language of tuition | Both Afr and Eng |
| Academic organisation | Radiation Oncology |
| Period of presentation | Year |

Applied research methodology 800 (TNM 800)

| | |
|-------------------------------|--------------------------------|
| Module credits | 5.00 |
| Prerequisites | BOS 870 |
| Language of tuition | English |
| Academic organisation | School of Health Syst & Public |
| Period of presentation | Year |

Module content

*Attendance module only

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.