University of Pretoria Yearbook 2018

BRadHons Radiation Therapy (10247014)

Minimum duration of study	1 year
Total credits	120

Programme information

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

Admission requirements

- Subject to the stipulations of the General Regulations, a candidate must hold the BRad degree, or the Bachelor in Technology: Radiography, an equivalent qualification in the relevant field of specialisation for admission to honours degree study.
- 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 to study for honours degree is subject to the approval of the head of department: with the provison 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 for admission to the honours programme.

Additional requirements

All students must register for NVB 700 Research principles.

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

Dosage planning 700 (DSB 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

Brachytherapy. ICRU level-3 Radiation dose planning. Stereotactic radio-surgery and stereotactic radiotherapy. Image based and image guided radiotherapy. Large field irradiation with photons. Current trends in Electron Therapy, proton therapy, heavy particle therapy and neutron therapy treatment planning and delivery.

Oncological behavioural sciences 700 (OKG 700)

Module credits	25.00
Prerequisites	No prerequisites.
Contact time	1 discussion class per week, 1 seminar per week
Language of tuition	Separate classes for Afrikaans and English
Department	Radiography
Period of presentation	Year

Module content
Behavioural dimensions of cancer and sickness, Psychology of cancer, Existential dimensions of cancer, Social dimensions of cancer, language and cross-cultural dimensions of cancer, Communication between patient and oncology team, Complementary psychology therapies

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.

Radiation therapy 700 (RSZ 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
Basic management principles. Management of radiation oncology service, department and unit. Total quality management in radiation therapy. Brachytherapy. Treatment field conformation and treatment dose conformation in radiotherapy treatment delivery. Large field irradiation with photons and superficial photon therapy. Intra-operative radiation therapy.

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.