

# University of Pretoria Yearbook 2017

## Radiography 371 (RAD 371)

<b>Qualification</b>	Undergraduate
<b>Faculty</b>	<a href="#">Faculty of Health Sciences</a>
<b>Module credits</b>	20.00
<b>Programmes</b>	<a href="#">BOH</a>
<b>Prerequisites</b>	ODO 271, OFC 271, RAD 271, PDL 271, ORD 271, GAP 271, VKM 271, TBW 271
<b>Contact time</b>	1 lecture per week, 2 practicals per week
<b>Language of tuition</b>	Afrikaans and English is used in one class
<b>Academic organisation</b>	Oral Pathology and Oral Biolog
<b>Period of presentation</b>	Year

### Module content

This module is aimed at providing the oral hygiene student with the necessary skills, attitude and relevant knowledge by studying the following aspects in radiation physics relevant to dentistry:

- Electromagnetic waves – their properties and behaviour
- X-rays – their specific properties, sources of X-rays and production of X-rays
- Construction of the X-ray tube
- Accurate image formation
- Interaction of photons with living tissues
- Radiation biology
- Radiation protection
- ALARA principle
- Quality control measures

This module furthermore entails practical work in the Radiology section.

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.