

# University of Pretoria Yearbook 2018

## 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 are used in one class
<b>Department</b>	Oral Pathology and Oral Biology
<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.

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