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# University of Pretoria Yearbook 2020

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## Radiation physics 100 (RPH 100)

<b>Qualification</b>	Undergraduate
<b>Faculty</b>	<a href="#">Faculty of Health Sciences</a>
<b>Module credits</b>	10.00
<b>Programmes</b>	<a href="#">B Rad in Diagnostics</a>
<b>Prerequisites</b>	No prerequisites.
<b>Contact time</b>	1 tutorial per week, 2 lectures per week
<b>Language of tuition</b>	Module is presented in English
<b>Department</b>	Physics
<b>Period of presentation</b>	Year

### Module content

**Units:** standards, conversion, dimensional analysis.

**Mechanics:** simple harmonic motion, rotation, sound wave propagation.

**Electricity:** electrostatics, electrodynamics.

**Electromagnetism:** induction, alternating currents, safety.

**Atomic physics:** atomic models and quantum phenomena, X-rays, particle-wave duality.

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