

University of Pretoria Yearbook 2020

Radiation physics 100 (RPH 100)

Qualification Undergraduate

Faculty [Faculty of Health Sciences](#)

Module credits 10.00

Programmes [BRad in Diagnostics](#)

Prerequisites No prerequisites.

Contact time 1 tutorial per week, 2 lectures per week

Language of tuition Module is presented in English

Department Physics

Period of presentation 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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