

University of Pretoria Yearbook 2022

Radiation physics 100 (RPH 100)

Qualification	Undergraduate
Faculty	Faculty of Health Sciences
Module credits	10.00
NQF Level	05
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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