



University of Pretoria Yearbook 2021

Radiation physics 100 (RPH 100)

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| 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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