



University of Pretoria Yearbook 2016

Physics 143 (PHY 143)

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| Qualification | Undergraduate |
| Faculty | Faculty of Natural and Agricultural Sciences |
| Module content | Vectors. Kinematics of a point: relative motion, projectile, circular motion. Dynamics: Newton's laws, friction. Work: point masses, ideal gas law, springs, power. Energy: kinetic energy, potential energy, conservative forces, spring, conservation of mechanical energy. Hydrostatics and dynamics: density, pressure, Archimedes' law, continuity, Bernouli. |
| Module credits | 8.00 |
| Programmes | BEd Senior Phase and Further Education and Training Teaching BSc Extended programme - Mathematical Sciences BSc Extended programme - Physical Sciences |
| Service modules | Faculty of Engineering, Built Environment and Information Technology Faculty of Education |
| Prerequisites | PHY 133 |
| Contact time | 2 practicals per week, Foundation Course, 2 discussion classes per week, 2 lectures per week, MAMELODI |
| Language of tuition | English |
| Academic organisation | Physics |
| Period of presentation | Semester 2 |

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