



University of Pretoria Yearbook 2020

Physics 143 (PHY 143)

Qualification Undergraduate

Faculty [Faculty of Natural and Agricultural Sciences](#)

Module credits 8.00

Programmes [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 discussion classes per week, 2 lectures per week, 2 practicals per week,
Foundation Course

Language of tuition Module is presented in English

Department Physics

Period of presentation Semester 2

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.

The information published here is subject to change and may be amended after the publication of this information. The [General Regulations \(G Regulations\)](#) apply to all faculties of the University of Pretoria. It is expected of students to familiarise themselves well with these regulations as well as with the information contained in the [General Rules](#) section. Ignorance concerning these regulations and rules will not be accepted as an excuse for any transgression.