



University of Pretoria Yearbook 2021

Physical sciences education 310 (JPC 310)

Qualification	Undergraduate
Faculty	Faculty of Education
Module credits	12.00
NQF Level	07
Programmes	BEd Senior Phase and Further Education and Training Teaching
Contact time	2 lectures per week, 2 practicals per week
Department	Science Mathematics and Technology Education
Period of presentation	Semester 2

Module content

Application of vectors in one and two dimensions in motion and forces. Newton's laws, Momentum, Work and Energy, Waves, Sound and Light Electrostatics, Electric circuits, Magnetism, Electromagnetism, Electrodynamics, Atomic structure, Chemical bonding, Chemical reactions, Stoichiometry, Energy and Chemical change, Reaction rate, Chemical equilibrium, Electrochemistry, Ideal gasses, Properties of materials

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