



University of Pretoria Yearbook 2020

Physical sciences education 310 (JPC 310)

Qualification Undergraduate

Faculty [Faculty of Education](#)

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

Module credits 12.00

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

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 each student to familiarise himself or herself 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.