

University of Pretoria Yearbook 2022

Physics and chemistry education 410 (JPC 410)

Qualification	Undergraduate
Faculty	Faculty of Education
Module credits	24.00
NQF Level	07
Prerequisites	May only be taken in the final year of study
Contact time	2 lectures per week, 2 practicals per week
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 1 and Semester 2

Module content

The following themes: Application of vectors in one and two dimensions in the study of motion and forces. Newton's laws, momentum work and energy. Waves, sound and light. Electrostatics, electric circuits, magnetism, electromagnetism, atomic structure, chemical bonding, chemical reactions, stoichiometry, energy and chemical change, reaction rate, chemical equilibrium, electrochemical reactions. Ideal gasses, properties of materials as it relates to the school curriculum

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