
University of Pretoria Yearbook 2016

Physics and Chemistry education 410 (JPC 410)

Qualification Undergraduate

Faculty [Faculty of Education](#)

Module credits 24.00

Prerequisites May only be taken in the final year of study

Contact time 2 practicals per week, 2 lectures per week

Language of tuition Double Medium

Academic organisation Science, Maths + Techno Ed

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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