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# University of Pretoria Yearbook 2020

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## Physiotherapy 101 (FTP 101)

**Qualification** Undergraduate

**Faculty** [Faculty of Health Sciences](#)

**Module credits** 10.00

**Programmes** [BPhysio](#)

**Contact time** 1 web-based period per week, 3 lectures per week, 4 practicals per week

**Language of tuition** Module is presented in English

**Department** Physiotherapy

**Period of presentation** Year

### Module content

General introduction and orientation to physiotherapy, PBL skills and evidence-based approach to physiotherapy. Introduction to biomechanics, terminology, passive movements, measurement of the range of movement, clinical visits and patient-handling.

Kinetics: axis, planes, levers, effect of gravity on the human body.

Applied electro biomechanics: introduction to radiation, high-frequency, ultrasound, shortwave diathermy, laser, ultraviolet, infrared radiation.

Introduction to manual therapy: general introduction to massaging, evaluation of soft tissue, types applications and effects of massage techniques on various types of tissue, modalities application to the human body.

Human movement science: introduction to biomechanics, study of human movement, functional evaluation, muscle-testing, types of muscular activity, kinematics: analysis of movement, motor control and posture, characteristics of normal movement. Applied electrobiomechanics, introduction to medium frequency currents, Russian currents. Pulmonology.

Note: Physiotherapy is presented in a problem-based and integrated manner.

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