
University of Pretoria Yearbook 2019

Nuclear physics 727 (FSK 727)

Qualification Postgraduate

Faculty [Faculty of Natural and Agricultural Sciences](#)

Module credits 12.00

Prerequisites No prerequisites.

Contact time 4 lectures per week

Language of tuition Module is presented in English

Department Physics

Period of presentation Semester 1

Module content

Collective model, shell model, approximate nuclear structure methods, for example Hartree-Fock, random phase approximation, Tamm-Dankoff reaction theory and optical model

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 students to familiarise themselves 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.