

University of Pretoria Yearbook 2016

Dynamic meteorology 706 (WKD 706)

Qualification	Postgraduate
Faculty	Faculty of Natural and Agricultural Sciences
Module credits	16.00
Programmes	BScHons Meteorology
Prerequisites	No prerequisites.
Contact time	1 practical per week, 1 lecture per week
Language of tuition	English
Academic organisation	Geography, Geoinf + Meteor
Period of presentation	Semester 1 or Semester 2

Module content

Atmospheric oscillations: Linear perturbation theory (shallow water gravity waves, inertia gravity waves, Rossby waves). Baroclinic instability. Two-layer model. Energetics of Baroclinic waves. Zonally averaged circulation. Angular momentum budget. Lorenz energy cycle. Programming in meteorology.

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.