



University of Pretoria Yearbook 2022

Quasi-geostrophic analysis 361 (WKD 361)

Qualification	Undergraduate
Faculty	Faculty of Natural and Agricultural Sciences
Module credits	18.00
NQF Level	07
Programmes	BSc (Meteorology) BSc (Applied Mathematics) BSc (Geography and Environmental Science) BSc (Physics)
Prerequisites	WKD 352
Contact time	1 tutorial per week, 4 lectures per week
Language of tuition	Module is presented in English
Department	Geography Geoinformatics and Meteorology
Period of presentation	Quarter 4

Module content

Tendency and Omega equations. Model of a baroclinic system. Introduction to numerical models. Application in meteorological display and analysis software. Ascending and subsiding motion in a present and future climate.

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