University of Pretoria Yearbook 2022

Fundamentals of weather forecasting 366 (WKD 366)

Qualification	Undergraduate
Faculty	Faculty of Natural and Agricultural Sciences
Module credits	36.00
NQF Level	07
Prerequisites	WKD 155, WKD 261, WKD 254 (students should simultaneously be enrolled for WKD 361)
Language of tuition	Module is presented in English
Department	Geography Geoinformatics and Meteorology
Period of presentation	Semester 2

Module content

Integration of information to describe the current state of the atmosphere and to predict a future state of the atmosphere. Weather forecasting techniques. Applications of remote sensing in weather forecasting. Aerological diagrams and codes. Weather forecasting software and application to numerical weather prediction. Climate change and synoptic circulation.