

University of Pretoria Yearbook 2022

Satellite meteorology 265 (WKD 265)

Qualification	Undergraduate
Faculty	Faculty of Natural and Agricultural Sciences
Module credits	12.00
NQF Level	06
Programmes	BSc (Meteorology) BSc (Applied Mathematics) BSc (Geography and Environmental Science) BSc (Physics)
Prerequisites	WKD 261
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

Display formats of remote sensed data, projections and color schemes. Active and passive sensing systems, quantitative and qualitative data, atmospheric and surface data observation. Characteristics of geostationary and low-earth orbiting satellites. Common channels available from meteorological satellite sensors, combination of channels and RGB images. Observation of synoptic and mesoscale weather systems, natural hazards and clouds.

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