



University of Pretoria Yearbook 2017

Physical meteorology 261 (WKD 261)

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| Qualification | Undergraduate |
| Faculty | Faculty of Natural and Agricultural Sciences |
| Module credits | 12.00 |
| Programmes | BSc Environmental Sciences BSc Geography BSc Geoinformatics BSc Meteorology BSc Physics |
| Prerequisites | WTW 114 |
| Contact time | 4 lectures per week, 1 tutorial per week |
| Language of tuition | Module is presented in English |
| Academic organisation | Geography, Geoinf + Meteor |
| Period of presentation | Quarter 1 |

Module content

Conservative forces and conservation laws. Basic thermodynamic laws for dry and humid air. The equation of state. Adiabatic processes and temperature lapse rates. The Clausius-Clapeyron equation. Calculation of the wet adiabat.

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