



# University of Pretoria Yearbook 2022

## Physical meteorology 261 (WKD 261)

<b>Qualification</b>	Undergraduate
<b>Faculty</b>	<a href="#">Faculty of Natural and Agricultural Sciences</a>
<b>Module credits</b>	12.00
<b>NQF Level</b>	06
<b>Programmes</b>	<a href="#">BSc (Meteorology)</a> <a href="#">BSc (Applied Mathematics)</a> <a href="#">BSc (Geography and Environmental Science)</a> <a href="#">BSc (Physics)</a>
<b>Prerequisites</b>	(WTW 114 or WTW 158 or WTW 134 or WTW 165) and (WKD 155 or ENV 101)
<b>Contact time</b>	1 tutorial per week, 4 lectures per week
<b>Language of tuition</b>	Module is presented in English
<b>Department</b>	Geography Geoinformatics and Meteorology
<b>Period of presentation</b>	Quarter 3

### Module content

Basic thermodynamic laws for dry and humid air. The equation of state. Adiabatic processes and temperature lapse rates. The Clausius-Clapeyron equation. Cloud microphysics. The physical basis of climate change.

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