

# University of Pretoria Yearbook 2021

## Techniques of analysis 224 (WTW 224)

<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="#">BCom</a>
	<a href="#">BEd Senior Phase and Further Education and Training Teaching</a>
	<a href="#">BSc Computer Science</a>
	<a href="#">BSc Chemistry</a>
	<a href="#">BSc Engineering and Environmental Geology</a>
	<a href="#">BSc Geology</a>
	<a href="#">BSc Mathematical Statistics</a>
<b>Prerequisites</b>	WTW 124 and WTW 211 GS and WTW 218 GS
<b>Contact time</b>	1 tutorial per week, 2 lectures per week
<b>Language of tuition</b>	Module is presented in English
<b>Department</b>	Mathematics and Applied Mathematics
<b>Period of presentation</b>	Semester 2

### Module content

\*This module does not lead to admission to WTW 310 or WTW 320. Students will not be credited for more than one of the following modules for their degree: WTW 220 and WTW 224.

Sequences of real numbers: convergence and monotone sequences. Series of real numbers: convergence, integral test, comparison tests, alternating series, absolute convergence, ratio and root tests. Power series: representation of functions as power series, Taylor and Maclaurin series. Application to series solutions of differential equations.

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