

# University of Pretoria Yearbook 2020

## Analysis 310 (WTW 310)

<b>Qualification</b>	Undergraduate
<b>Faculty</b>	<a href="#">Faculty of Natural and Agricultural Sciences</a>
<b>Module credits</b>	18.00
<b>Programmes</b>	<a href="#">BCom</a>
	<a href="#">BCom Statistics</a>
	<a href="#">BCom Statistics and Data Science</a>
	<a href="#">BSc Actuarial and Financial Mathematics</a>
	<a href="#">BSc Applied Mathematics</a>
	<a href="#">BSc Geology</a>
	<a href="#">BSc Mathematical Statistics</a>
	<a href="#">BSc Mathematics</a>
	<a href="#">BSc Physics</a>
<b>Service modules</b>	Faculty of Education
	Faculty of Economic and Management Sciences
	Faculty of Humanities
<b>Prerequisites</b>	WTW 220
<b>Contact time</b>	1 tutorial per week, 2 lectures per week
<b>Language of tuition</b>	Afrikaans and English are used in one class
<b>Department</b>	Mathematics and Applied Mathematics
<b>Period of presentation</b>	Semester 1

### Module content

Topology of finite dimensional spaces: Open and closed sets, compactness, connectedness and completeness. Theorems of Bolzano-Weierstrass and Heine-Borel. Properties of continuous functions and applications. Integration theory for functions of one real variable. Sequences of functions.

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