

# University of Pretoria Yearbook 2022

## Analysis 310 (WTW 310)

<b>Qualification</b>	Undergraduate
<b>Faculty</b>	Faculty of Natural and Agricultural Sciences
<b>Module credits</b>	18.00
<b>NQF Level</b>	07
<b>Programmes</b>	BCom (Statistics and Data Science)
	BCom
	BSc (Actuarial and Financial Mathematics)
	BSc (Applied Mathematics)
	BSc (Chemistry)
	BSc (Geology)
	BSc (Mathematical Statistics)
	BSc (Mathematics)
	BSc (Physics)
<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>	Module is presented in English
<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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