



# University of Pretoria Yearbook 2018

## Differential equations 286 (WTW 286)

<b>Qualification</b>	Undergraduate
<b>Faculty</b>	<a href="#">Faculty of Natural and Agricultural Sciences</a>
<b>Module content</b>	<p>*Students will not be credited for more than one of the modules for their degree: WTW 264, WTW 286</p> <p>Theory and solution methods for ordinary differential equations and initial value problems: separable and linear first-order equations, linear equations of higher order, systems of linear equations. Application to mathematical models. Numerical methods applied to nonlinear systems. Qualitative analysis of linear systems.</p>
<b>Module credits</b>	12.00
<b>Programmes</b>	<a href="#">BCom</a>
	<a href="#">BSc Computer Science</a>
	<a href="#">BSc Applied Mathematics</a>
	<a href="#">BSc Chemistry</a>
	<a href="#">BSc Geology</a>
	<a href="#">BSc Mathematical Statistics</a>
	<a href="#">BSc Mathematics</a>
	<a href="#">BSc Meteorology</a>
	<a href="#">BSc Physics</a>
<b>Service modules</b>	Faculty of Economic and Management Sciences
<b>Prerequisites</b>	WTW 114, WTW 124 and WTW 162
<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

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