



# University of Pretoria Yearbook 2019

## Differential equations 256 (WTW 256)

**Qualification** Undergraduate

**Faculty** [Faculty of Natural and Agricultural Sciences](#)

**Module content** Theory and solution methods for linear differential equations as well as for systems of linear differential equations. Theory and solution methods for first order non-linear differential equations. The Laplace transform with application to differential equations. Application of differential equations to modelling problems.

**Module credits** 8.00

**Programmes** [BEng Chemical Engineering](#)  
[BEng Chemical Engineering Engage](#)  
[BEng Civil Engineering](#)  
[BEng Civil Engineering Engage](#)  
[BEng Computer Engineering](#)  
[BEng Computer Engineering Engage](#)  
[BEng Electrical Engineering](#)  
[BEng Electrical Engineering Engage](#)  
[BEng Electronic Engineering](#)  
[BEng Electronic Engineering Engage](#)  
[BEng Industrial Engineering](#)  
[BEng Industrial Engineering Engage](#)  
[BEng Mechanical Engineering](#)  
[BEng Mechanical Engineering Engage](#)  
[BEng Metallurgical Engineering](#)  
[BEng Metallurgical Engineering Engage](#)  
[BEng Mining Engineering](#)  
[BEng Mining Engineering Engage](#)  
[BSc Mathematics](#)  
[BSc Physics](#)

**Service modules** Faculty of Engineering, Built Environment and Information Technology

**Prerequisites** WTW 158 and WTW 164



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<b>Contact time</b>	1 tutorial per week, 2 lectures per week
<b>Language of tuition</b>	Separate classes for Afrikaans and English
<b>Department</b>	Mathematics and Applied Mathematics
<b>Period of presentation</b>	Semester 1

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