## University of Pretoria Yearbook 2018

## Differential equations 256 (WTW 256)

| Qualification | Undergraduate |
| :--- | :--- |
| Faculty | Faculty of Natural and Agricultural Sciences |
| 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 |  |
| Service modules | BEng Metallurgical Engineering |
| Contact time | BEng Metallurgical Engineering ENGAGE |
| BEng Mining Engineering |  |
| Department | Faculty of Engineering, Built Environment and Information Technology |
|  | WTw 158 and WTW 164 |
|  | BSiscussion class per week, 2 lectures per week |
|  | Beparate classes for Afrikaans and English Engineering ENGAGE |
|  | Mathematics and Applied Mathematics |

## Period of presentation Semester 1

## 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.

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