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# University of Pretoria Yearbook 2019

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## Experimental methods 782 (MLD 782)

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| <b>Qualification</b>          | Postgraduate   |
| <b>Faculty</b>                | <a href="#">Faculty of Engineering, Built Environment and Information Technology</a>   |
| <b>Module credits</b>         | 16.00  |
| <b>Programmes</b>             | <a href="#">BEngHons Mechanical Engineering</a><br><a href="#">BSchHons Applied Science Mechanics</a><br><a href="#">BSchHons Applied Science Mechanics: Physical Asset Management</a> |
| <b>Prerequisites</b>          | (recommended) any module where experiments are frequent (such as Physics 1)  |
| <b>Contact time</b>           | 21 contact hours per semester  |
| <b>Language of tuition</b>    | Module is presented in English   |
| <b>Department</b>             | Mechanical and Aeronautical Engineering  |
| <b>Period of presentation</b> | Semester 1 or Semester 2   |

### Module content

Terminology, Data analysis, Uncertainty, Displacement, Strain, Pressure, Flow measurements Temperature measurements. Emphasis will be placed on the experimental process from calibration through to analyses. Different experimental techniques will be covered to showcase the process.

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