

# University of Pretoria Yearbook 2016

## Aeronautical structures 780 (MLT 780)

<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> <a href="#">BScHons Applied Science Applied Science: Mechanics</a>
<b>Prerequisites</b>	No prerequisites.
<b>Contact time</b>	21 contact hours per semester
<b>Language of tuition</b>	English
<b>Academic organisation</b>	Mechanical and Aeronautical En
<b>Period of presentation</b>	Semester 1 or Semester 2

### Module content

Review of the stress, displacement and thermal analysis of structures. Structural analysis for static and dynamic loads: aerodynamic, pressure, landing and thermal. A study of the characteristics of flight vehicle materials and the design of fuselages/wings with reference to component manufacturing techniques.

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