



---

# University of Pretoria Yearbook 2016

---

## Non-destructive testing 780 (MCT 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><br><a href="#">BScHons Applied Science Applied Science: Mechanics</a> |
| <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

Probability, design and management in non-destructive testing (NDT). Fundamental theory of commonly used NDT methods: Ultrasonic testing, Electromagnetic testing (MT and ACFM). Radiographic testing, Penetrant testing, Eddy current testing. Other NDT technologies, including phased array UT, time-of flight diffraction. Digital (RT and Acoustic emission. Monitoring.

---

The information published here is subject to change and may be amended after the publication of this information. The [General Regulations \(G Regulations\)](#) apply to all faculties of the University of Pretoria. It is expected of students to familiarise themselves well with these regulations as well as with the information contained in the [General Rules](#) section. Ignorance concerning these regulations and rules will not be accepted as an excuse for any transgression.