



---

# University of Pretoria Yearbook 2021

---

## Electrical drives 410 (EAD 410)

|                               |   |
|-------------------------------|---|
| <b>Qualification</b>          | Undergraduate   |
| <b>Faculty</b>                | <a href="#">Faculty of Engineering, Built Environment and Information Technology</a>              |
| <b>Module credits</b>         | 16.00   |
| <b>NQF Level</b>              | 08  |
| <b>Programmes</b>             | <a href="#">BEng Electrical Engineering</a><br><a href="#">BEng Electrical Engineering ENGAGE</a> |
| <b>Prerequisites</b>          | ELX 311GS and EDF 320 GS  |
| <b>Contact time</b>           | 1 practical per week, 1 tutorial per week, 3 lectures per week                                    |
| <b>Language of tuition</b>    | Module is presented in English  |
| <b>Department</b>             | Electrical, Electronic and Computer Engineering   |
| <b>Period of presentation</b> | Semester 1  |

### Module content

Single and three-phase DC-AC invertors, PWM, 4-quadrant conversion, DC and AC variable speed drives and high frequency transformer design.

---

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.