

# University of Pretoria Yearbook 2022

## 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> <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

The module covers DC to DC converters with transformer isolation, sizing components in converters, small-signal converter modelling, magnetic design, DC and induction motors, and variable speed drives.

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