

University of Pretoria Yearbook 2017

Electrical drives 410 (EAD 410)

Qualification Undergraduate

Faculty [Faculty of Engineering, Built Environment and Information Technology](#)

Module credits 16.00

Programmes [BEng Electrical Engineering](#)
[BEng Electrical Engineering ENGAGE](#)

Prerequisites ELX 311GS and EDF 320 GS

Contact time 1 practical per week, 3 lectures per week, 1 tutorial per week

Language of tuition Separate classes for Afrikaans and English

Academic organisation Electrical, Electronic and Com

Period of presentation 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.

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