



University of Pretoria Yearbook 2022

Electrical drives 410 (EAD 410)

Qualification	Undergraduate
Faculty	Faculty of Engineering, Built Environment and Information Technology
Module credits	16.00
NQF Level	08
Programmes	BEng (Electrical Engineering) BEng (Electrical Engineering) ENGAGE
Prerequisites	ELX 311GS and EDF 320 GS
Contact time	1 practical per week, 1 tutorial per week, 3 lectures per week
Language of tuition	Module is presented in English
Department	Electrical, Electronic and Computer Engineering
Period of presentation	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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