

EN8033

Electrical Drives



Course Aim To provide students with critical theoretical knowledge and specialist practical skills related to the analysis and design of electrical systems involving electrical drives.

Short Title
Faculty EDICT

Credits 15
Pre-requisites EN7032 & EN7008
Co-requisites None
Anti-requisites None

Version 1
Effective From September 1, 2018
Indicative NQF Level 8
Student Contact hrs 75
Self-directed hrs 75
Other directed hrs
Total learning hrs 150

Learning Outcomes

On successful completion of this course, students will be able to:

- 1 Demonstrate critical understanding of the theoretical principles of operation of electrical drives.
- 2 Solve undefined engineering problems by applying advanced level and some complex practical skills for the design and analysis of electrical systems involving electrical drives
- 3 Communicate the documentation of electrical systems design in a professional manner with peers and experts

NQF Sub-strand

Theoretical
Understanding
Practical
Application of
knowledge
Communication,
ICT, Numeracy