

EN7032

Electrical Machines



Course Aim To provide students with advanced knowledge and understanding of the theoretical principles of operation of electrical machines and to enhance the advanced practical skills in the experimentation and testing of electrical machines.

Short Title

Faculty EDICT

Credits 15

Pre-requisites EN6080

Co-requisites None

Anti-requisites None

Version 1

Effective From September 1, 2018

Indicative NQF Level 7

Student Contact hrs 90

Self-directed hrs 60

Other directed hrs 0

Total learning hrs 150

Learning

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

NQF Sub-strand

Outcomes

- | | |
|---|------------------------------------|
| 1 Demonstrate advanced knowledge and understanding of the principles of operation of electrical machines. | Theoretical Understanding |
| 2 Solve defined and undefined real-life problems by applying the detailed theory and advanced practical knowledge of electrical machines. | Practical Application of knowledge |
| 3 Use advanced and some professional skills in communicating the documentation of electrical machines design with peers and experts. | Communication, ICT, Numeracy |