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
Electrical Machines  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 7
Self-directed hrs 90
Other directed hrs 0
Total learning hrs 150

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

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

NQF Sub-strand
Theoretical Understanding
Practical Application of knowledge
Communication, ICT, Numeracy