

EN7060

## Telecommunications A



**Course Aim** To present the fundamental principles of Telecommunications and equip students with detailed knowledge and specialist skills required for the analysis and design of communications systems.

**Short Title**

**Faculty** EDICT

**Credits** 15

**Pre-requisites** EN6060 (or ENB5060) **and** EN6001 (or ENB5001)

**Co-requisites** None

**Anti-requisites** None

**Version** 3

**Effective From** February 1, 2016

**Indicative NQF Level** 7

**Student Contact hrs** 60

**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 Apply specialist level skills in handling telecommunications measurement tools.
  - 2 Apply and critically evaluate a range of signal modulation techniques.
  - 3 Demonstrate advanced knowledge in describing the operation of a range of standard communications systems.

**NQF Sub-strand**

Practical  
Application of  
knowledge  
  
Practical  
Application of  
knowledge  
  
Theoretical  
Understanding