

IT6005

## Database Systems 1



**Course Aim** To provide students with an understanding of Database Management Systems used in modern IT organisations. The course will detail one widely used commercial database, Oracle, and provide students with market relevant skills.

**Short Title**

**Faculty** EDICT

**Credits** 15

**Pre-requisites** None

**Co-requisites** None

**Anti-requisites** None

**Version** 6

**Effective From** February 2016

**Indicative NQF Level** 6

**Student Contact hrs** 90

**Self-directed hrs** 60

**Other directed hrs** 0

**Total learning hrs** 150

**Learning**

**Outcomes**

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

- 1 State the objectives of database technology
- 2 Examine the three main database models
- 3 Define the phases of the database development life cycle and their correspondence to the phases of the system development lifecycle
- 4 Perform data modelling
- 5 Use the techniques and tools to design and implement a database suitable for an information system
- 6 Use Structured Query Language to perform database operations

**NQF Sub-strand**

Theoretical  
Understanding  
Theoretical  
Understanding  
Theoretical  
Understanding  
Practical  
Application of  
knowledge  
Practical  
Application of  
knowledge  
Practical  
Application of  
knowledge