

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 8

Effective From February 2018

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 Demonstrate understanding of core database and database design concepts.
- 2 Perform data modelling to produce logical data models using ERD techniques and normalization
- 3 Design and implement a database suitable for an information system
- 4 Use Structured Query Language to perform database operations
- 5 Discuss the principles, regulations and laws related to privacy both in the GCC and Internationally

NQF Sub-strand

Theoretical
Understanding

Practical
Application of
knowledge

Practical
Application of
knowledge

Practical
Application of
knowledge

Theoretical
Understanding