Database management systems are standard tools that enable the storage and retrieval of data within modern information systems. Units introducing database concepts are now an accepted part of most computer science courses. These introductory units tend to concentrate on the use of relational database systems. This advanced module, in contrast, deals with implementation aspects of relational systems and tests the candidates’ knowledge of the current enhancements to relational database systems, object oriented database and XML database systems.

Aims
- Compare and contrast emerging architectures for database management systems
- Understand the manner in which relational systems are implemented and the implications of the techniques of implementation for database performance
- Appreciate the impact of emerging database standards on the facilities which future database management systems will provide

Objectives
- Critically assess new developments in database technology
- Interpret and explain the impact of emerging database standards
- Evaluate the contribution of database theory to practical implementations of database management systems

Prior Knowledge Expected
Candidates are expected to be familiar with the materials covered in the Certificate syllabuses and the Diploma Database Systems syllabus.
Primary Texts:

Other Reading: