

Unit Code and Title	BIS1002 Data and Information Management
Course(s)	Diploma of Business Information Systems; Bachelor of Business Information Systems
Core or Elective	Core: Diploma of Business Information Systems; Bachelor of Business Information Systems
Credit Points	6 credit points
Duration	1 standard study period
AQF Level	6
Student Workload	Students should expect to spend approximately 120 hours on learning activities across the study period. This includes time spent attending scheduled classes, undertaking private study, preparing assessments, and completing examinations.
Essential Requirements	N/A
Mode(s) of Delivery	On campus
Pre-Requisites	N/A

Unit Description

This unit provides a solid foundation for the design, implementation and management of database systems. Managing organizational data and information stored in various systems are introduced focusing on the role of data and information management within the firm and developing database management systems. It highlights the skills required to identify and model organizational data and information using data modelling techniques. Topics covered include: logical and physical design of database systems; SQL language and data warehousing. Key implementation and management concepts, including building the necessary processes and systems to transform the data and information into meaningful knowledge in several contemporary industrial scenarios and make effective decisions.

Unit Learning Outcomes (ULOs)

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

[ULO1] Understand and evaluate the role of database management systems in information technology applications within organisations.

[ULO2] Identify organisational requirements for data and develop data models using conceptual data modelling techniques.

[ULO3] Explain and apply database design techniques for relational database systems.

[ULO4] Derive a physical design for a database from its logical design.

[ULO5] Demonstrate the use of a computer language for database specification and data manipulation to achieve an effective solution to a business problem.

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