

Unit Code and Title	BIS3005 Cloud Computing
Course(s)	Bachelor of Business Information Systems
Core or Elective	Core: Bachelor of Business Information Systems
Credit Points	6 credit points
Duration	1 standard study period
AQF Level	7
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 /Online
Pre-Requisites	BIS2005 Enterprise Architecture

Unit Description

Cloud computing is a critical component of modern business operations. It has transformed the way networking, data storage and processing, application development and infrastructure provisioning is accomplished. This unit introduce cloud concepts, core cloud services, architecting on cloud and cloud support. This unit also introduces various database options to examine the various services available to access databases on the cloud. It also provides an understanding of virtualisation concepts and exposure to different virtualisation solutions and security challenges related to the cloud.

Unit Learning Outcomes (ULOs)

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

- ULO-1: Investigate contemporary cloud architectures, management mechanisms and delivery modes.
- ULO-2: Appraise recent technology innovations that enable effective cloud computing such as virtualisation.
- ULO-3: Critically review current issues, challenges and emerging trends in cloud computing.
- ULO-4: Discuss the security issues and challenges in cloud computing that arise from the transformation of local computing to remote computing.
- ULO-5: Formulate and communicate cloud computing solutions to enable specific business objectives