



Assessment Guidelines for Students 2025

Module name	Introduction to Databases
Module code	IDB152
NQF level	5
Credits	10
Mode of delivery	Blended Contact

Module outcomes

Have integrated knowledge and understanding to:

1. Identify the main database management system (DBMS) functions and explain their roles in a database system.
2. Use conceptual modelling tools (such as entity-relationship (ER) diagrams), model the data requirements for a given application and design a database schema based on the conceptual model.
3. Design small-scale databases using the relational data model with consideration for basic normalization and security mechanisms.
4. Design a semi-structured equivalent (using XML Schema) for a given relational schema and show how to store and query semi-structured data.
5. Demonstrate the use of various set operations (union, intersection, difference, and Cartesian product) as well as specific relational algebra operations (select [restrict], project, join and division) in the context of relational databases.
6. Write SQL commands (including stored procedures) to create tables and indexes, insert, update and delete data, and query data in a relational DBMS.
7. Show understanding of a database transaction and related database concepts, including concurrency control, backup and recovery, and logs.

Summary

Participation (10%) + SS1 (25%) + SS2 (25%) + SS3 (40%) = FIN (final mark)

1. CONTINUOUS ASSESSMENT STRUCTURE

The assessments contributing to your overall mark for this module are indicated below.

Formal assessments– 100% of overall mark				
Please note that ALL the assessments listed below will contribute to your final mark.				
Type	Weighting	Compulsory	Duration (if timed- based assessment)	Total marks
Participation (P)	10%	N	N/A	N/A
SS1: [Assignment] (Formative)	25%	Y	N/A	100
SS2: [Assignment] (Formative)	25%	Y	N/A	100
SS3: [Project] (Summative)	40%	Y	N/A	120
TOTAL WEIGHTING	100%			

NOTE:

The formal formative assessments listed above must be attempted/submitted to successfully complete the module. Where an assessment is indicated as “not compulsory”, the weighting will still apply, and therefore students will be allowed to continue, but a mark of “0” will be awarded for that assessment.

Assessments indicated as COMPULSORY must be submitted, and you need to complete all these assessments with a minimum of 50% as an overall final mark (FIN) to pass the module.

For FORMATIVE assessments, students who submit the minimum required evidence according to the assessment brief may resubmit for an improved mark following feedback within a period specified by the lecturer.

Students who receive a score between 40% and 47% on a SUMMATIVE assessment will be provided with feedback and one further attempt to earn a mark of at least 50% on the assessment in order to pass the module.

SPECIFIC ASSESSMENT GUIDELINES – AN OVERVIEW

TYPE	DESCRIPTION/CONTENT
Participation	Participation will be scored on class discussions, debates, class tests and/or class tutorials.
SS1	This assignment will be graded with a maximum score of 100 marks. To participate in this assessment, students must adhere to specific criteria.
SS2	During this semester, the assignment, with a maximum score of 100, will encompass the comprehension of database management and design principles, equipping students to efficiently handle and manipulate data within a variety of database systems. Successful participation in this assessment is contingent upon students meeting specific criteria.
SS3	This semester's project, with a maximum of 120 marks, aims to develop students' grasp of database management and design principles, enabling them to adeptly handle data in diverse database systems. Participation in this assessment requires adherence to specified criteria.

3. PASS REQUIREMENTS

In order to pass this module, you need to achieve at least 50% in the semester/year mark (SYM).

Pass rate achieved in latest period (please indicate period)	92,31% (Sem 1 2024)
	N/A
	25 July 2024
	25 July 2024