

ISCG5423: Introduction to Databases

Course number:	ISCG5423	Level:	5	Credits:	15
Main programme:	BCS			Delivery:	One Semester
Pathway:	General (Compulsory)			Hours directed:	60
Other programmes:	GDCMP (Elective)			Hours self-directed:	105
Prerequisites:				Total hours:	165
Co-requisites:				Number of weeks:	15 weeks
Restrictions:					
Other:					

Students are expected to adhere to United's policy on conduct in respect of staff, fellow students, and in the use of resources and facilities. Students are required to attend 100% of all scheduled classes.

NZQA Level Descriptor:

	Knowledge	Skills	Application
5	The student has broad operational or technical and theoretical knowledge within a specific field of work or study and selects and applies ...	<ul style="list-style-type: none"> a range of solutions to familiar and sometimes unfamiliar problems, a range of standard and non-standard processes relevant to the field of work or study with ... 	<ul style="list-style-type: none"> complete self- management of learning and performance within defined contexts, some responsibility for the management of learning and performance of others.

Course aim:

To provide students with an introduction to database systems

Learning Outcomes:

1. Describe different types of data, system data objects, and operations on data.
2. Create database designs to solve given business problems.
3. Implement database designs to solve given business problems in a database using an SQL software package.
4. Create SQL queries to solve given business problems.
5. Explain the meaning of the terms used in a database management environment.

Topics:

Data, data types, set theory, DBMS terms, entity relationship diagrams, creation of tables and queries using SQL DDL & SQL DML.

Other topics as negotiated