GLASGOW CALEDONIAN UNIVERSITY
MODULE DESCRIPTOR

MODULE TITLE	Intro to Database Development

MODULE CODE		**MODULE ABBREVIATION**	

MODULE LEVEL	1	**SQG**	COM	**FACULTY**	CMS	**STATUS**	

CREDIT POINTS	10	**SEMESTER**	A	**MAX NO**	140	**MIN NO**	20	**EST NO**	120

PRE-REQUISITE KNOWLEDGE	Standard Programme Entry Requirements or equivalent

CO-REQUISITE KNOWLEDGE	

PROHIBITED COMBINATIONS	

MODULE STRUCTURE	**FT**	**PT**	**OTHER**
Lectures	12		
Practicals	12		
Seminars			
Tutorials	6		
Independent Learning	30		
Assessment	10		
Directed Learning	15		
Private Study	15		
Notional Student Effort	100		

SUMMARY OF CONTENT

This module provides an introduction to Database technologies. These technologies include basic Relational Data Modelling concepts and practice, and simple data querying. Students will develop and query a simple database which provides a specific functional element of an information system.

LEARNING OUTCOMES

On completion of this module, students should be able to:

- Describe the basic principles of the relational database model
- Define and create tables for a simple database
- Create forms for entering data into the database
- Define simple queries and reports to retrieve information from the database

TEACHING/LEARNING STRATEGY

The course material will be introduced through lectures, while practical exercises, based on the lecture material, will be given to students for their laboratory sessions. Tutorials will be used to help explain and elaborate on both the lecture material and the laboratory exercises. The practical work and coursework will be based around the integrating case study used for the common year 1 modules in the computing programme suites.

SYLLABUS

Database design
- Logical design
- Physical design

Database implementation
- Defining tables in a practical database system
- Defining relationships between tables

Database forms and queries
- Creating data entry forms
- Defining queries using graphical query builder
- Defining queries using SQL
- Designing reports

INDICATIVE READING

Beginning Database Design: From Novice to Professional (Clare Churcher, Apress, ISBN 1-59059-769-9)
Head First SQL (Lynn Beighley, O'Reilly, ISBN 0-596-52684-9)

TRANSFERABLE SKILLS

Note to module developer: Indicate which of the transferable skills from the following standard set from the University will be developed by the work undertaken within this module. The standard set are:

D1 Critical thinking and problem solving.
D2 Cognitive/intellectual skills.
D3 Knowledge and understanding in the context of the subject.
D5 Time management: organising and planning work.
D6 Independent working.
D12 IT skills (including GCU Certificate in Basic ICT Competency).
D13 Communication skills, written, oral and listening.
D14 Numeracy skills.

ASSESSMENT METHODS

START WEEK	END WEEK	TYPE	DESCRIPTION	HOURS	MINS	WEIGHTING
		Coursework	Practically Based Assignment			100%

PROGRAMMES

COURSE	STREAM	COURSE TITLE	CORE/ELECT
BSc		Computing	**C**
BSc		Computer Games	**C**
BSc		Information Technology Management for Business	**C**
BSc		Networking and Systems Support	**C**

MODULE TUTORS

TITLE	NAME

GUEST TUTORS

TITLE	NAME

MODULE LEADER

TITLE	NAME