

School of Information Management

INFO151 DATABASES

Trimester 1, 2015

COURSE OUTLINE

This course introduces the principles of database definition, design, access and implementation. It shows how databases support modern data processing systems. Students will be able to create a data model from a business situation, implement a database from that data model and use a query language such as SQL to access the data.

CRN	Lecture time	Lecture Room
27094	Wednesdays 10.00am - 10.50am	MCLT101

	Staff	Room	Email & Telephone
Course Co-ordinator	David Mason	RH429	david.mason@vuw.ac.nz 463 7435
Course Lecturer	Senay Saglam	RH415	senay.saglam@vuw.ac.nz 463 5266
SIM Undergraduate Support team	Lucia Sohn Simon Park	RH502 RH531	simstudents@vuw.ac.nz 463 6659

Course Learning Objectives (CLOs)

1	Describe the role of databases and database management systems in organisations
2	Use a conceptual data modeling technique
3	Implement a relational database design from a business case.
4	Create flexible database queries

Assessment	Due	%	CLO(s)
1 Data modelling assignment	23 Apr	40	2 and 3
2 Test 1 Normalisation	In workshop	10	1-2
3 Database implementation assignment	02 June	40	2 and 4
4 Test 2 SQL queries	In workshop	10	1-4

The Assessment Handbook will apply to all VUW courses. See:

<http://www.victoria.ac.nz/documents/policy/staff-policy/assessment-handbook.pdf>.

Tutorial/Workshop Signups:

You must sign up for one workshop stream by 5pm Thursday 05 Mar 15 via

<https://signups.victoria.ac.nz/>.

Trimester Dates

Teaching Period: Monday 2nd March – Friday 5th June

Readings

There is no text to buy for this course. All materials will be available for download from Blackboard, or from Internet links.

Software: Part 1 will involve practical DB design using UML in MS Visio.

Part 2 will involve writing practical SQL programs in DB browser for SQL lite.

MS Visio can be obtained by students of VUW, and SQL Lite is freely available open source software. Both applications can be downloaded to your personal computer. Details will be supplied in class.

Expected Workload

You are expected to spend 12 hours per week to study INFO151.

A teaching week will typically include:

1 hour lectures; 1 hour for reading as preparation for the lecture

1 hour workshop; 2 hours for reading and working on each workshop

You are expected to spend 8 hours preparing for each test.

For each assignment you are expected to spend 24 hours. The assignments will include weekly workshop exercises that earn marks towards the overall assignment.

Lecture Schedule

	Part 1 Databases	Dave Mason
1	Introduction to Database	
2	Data Modelling in Visio	
3	Normalisation	
4	UML	
5	Database Administrator	
6	Data Driven Business Design	
	Part 2 SQL	Senay Saglam
7	Introduction to SQL	
8	SQL queries 1	
9	SQL queries 2	
10	SQL for DB definition	
11	SQL for DB alteration	
12	SQL Advanced	

Course Admin

Withdrawal from Course

Your fees will be refunded if you withdraw from this course on or before Friday 13th March 2015.

The standard last date for withdrawal from this course is Friday 15th May. After this date, students forced to withdraw by circumstances beyond their control must apply for permission on an 'Application for Associate Dean's Permission to Withdraw Late' including supporting documentation. The application form is available from either of the Faculty's Student Customer Service Desks or [online](#).

Extensions

Personal extensions are granted only in special circumstances and supporting evidence such as a medical certificate may be requested by the course coordinator or SIM undergraduate support team.

Non-extendable assessments. For some work, such as: lab projects, case discussion preparation, and tutorial preparation there is no possibility of late submission as the opportunity for the work to be completed has already passed.

Penalties

The penalty for late submission of work without a prior extension arrangement is a reduction of 10% of the available marks per calendar day late up to 5 days after the due date. A calendar day begins at midnight. At the course coordinator's discretion, work handed in after 5 days may be assessed and feedback provided, but no grade will be assigned.

If you cannot complete an assignment or sit a test or examination, refer to

www.victoria.ac.nz/home/study/exams-and-assessments/aegrotat

Use of Turnitin

Student work provided for assessment in this course may be checked for academic integrity by the electronic search engine <http://www.turnitin.com>. Turnitin is an on-line plagiarism prevention tool which compares submitted work with a very large database of existing material. At the discretion of the Head of School, handwritten work may be copy-typed by the School and submitted to Turnitin. A copy of submitted materials will be retained on behalf of the University for detection of future plagiarism, but access to the full text of submissions will not be made available to any other party.

Mandatory Course Requirements

None.

Class Representative

A class representative will be elected in the first class, and that person's name and contact details made available to VUWSA, the course coordinator and the class. The class representative provides a communication channel to liaise with the course coordinator on behalf of students.

Communication of Additional Information

Additional information or information on changes will be notified on Blackboard.

Student feedback

Student feedback on University courses may be found at

www.cad.vuw.ac.nz/feedback/feedback_display.php

Link to general information

For general information about course-related matters, go to

<http://www.victoria.ac.nz/vbs/studenthelp/general-course-information>

Note to Students

Your assessed work may also be used for quality assurance purposes, such as to assess the level of achievement of learning objectives as required for accreditation and academic audit. The findings may be used to inform changes aimed at improving the quality of VBS programmes. All material used for such processes will be treated as confidential, and the outcome will not affect your grade for the course.
