VICTORIA UNIVERSITY OF WELLINGTON
Te Whare Wānanga o te Ūpoko o te Ika a Māui

School of Information Management

INFO241 INTRODUCTION TO DATABASE MANAGEMENT AND PROGRAMMING

Trimester 1 2006

COURSE OUTLINE

Contact Details

		Room	Tel.	E-mail
Course Lecturer	T.T. Goh	EA220	4636860	Tiong.goh@vuw.ac.nz
Course Lecturer	Sitalakshmi Venkatraman	EA231	4636885	Sita.Venkatraman@vuw.ac.nz
Senior Tutor	Hugo Gong	EA111	4636998	Hugo.Gong@vuw.ac.nz

Class Times and Room Numbers

Lecture	MCLT 101	Tuesday 10:00 – 10:50 am		
	KKLT 301	Wednesday 10:00 – 10:50 am		
Workshop	**MY 201**	Session 1 Wednesday 2:10-4:00	Session 2 Thursday 10:00-12:00	Session 3 Thursday 2:10-4:00
Final Exam	5 June – 24 June 2006			

Course Objectives

Introductory approaches to database management and programming from information systems and management perspectives. Topics include introductory to business database system, database design, ER and business modelling, database query language, business application development and programming, database administration, and emerging topics.

On satisfactory completion of this course, students should be able to:
- Be able to use more complex data modelling techniques to design and develop databases for business applications.
- Be able to apply query language tools for efficient database development.
- Be able to design and develop programs, including effective user interfaces, for practical database applications.

- Have an understanding of database administration and security issues.
- Have an understanding of emerging topics such as data warehouse and data mining.

Course Content

Week No.	Date	Lecture	Workshop	Assignment	Reading
1g	28/2	Introduction			Ch 1, 5A
	1/3	VBA Programming I			Sup
2g	7/3	VBA Programming II	Lab 1		
	8/3	VBA Programming III			
3s	14/3	SQL Queries I	Lab 2		Ch 4
	15/3	SQL Queries II			
4s	21/3	Advanced SQL Queries	Lab 3		Ch 5
	22/3	Applying SQL Queries			
5s	28/3	Data Modelling Design	Lab 4	A1 Due 27/3 11am	Ch 1 & 2
5g	29/3	Normalisation			Ch 3
6g	4/4	Revision	Catch up		
	5/4	CLASS TEST			
BREAK					
7g	25/4	NO CLASS	Lab Test 1		
	26/4	Form Design			Ch 6
8g	2/5	Report Design	Lab 5		Ch 6
	3/5	Advance Programming			
9g	9/5	Advance Programming	Lab 6		Sup
	10/5	Advance Programming			
10s	16/5	Database Integrity	Lab 7		Ch 7
	17/5	Transaction			
11g	23/5	Data warehouse	Lab Test 2		Ch 8
11s	24/5	Data mining			
12s	30/5	Administration	Lab 8 Collect terms	A2 Due 29/5 11am	Ch 9*
	31/5	Security			

Readings
Refer to schedule.

Required Text
Gerald V. Post (2005). Database Management Systems Design and Building Business Applications. USA: McGraw Hill.

References
Vine, M. (2005). Microsoft Access VBA Programming for the Absolute Beginner, Second Edition. ISBN: 1-59200-723-6 © 2005

Assessment Requirements

	Weight %
Test	10
Lab Tests 2 x 5%	10
Assignment 1	15
Assignment 2	25
Final Exam	40
TOTAL	100

Penalties

In fairness to other students, late work will incur a 10% penalty (of the value of the project/assignment) for each calendar day late. Work will not be accepted more than 3 days late without a granted extension. **Extensions to project/assignment deadlines are not ordinarily granted.** Discuss with the Course coordinator any extraordinary personal circumstances which affect your ability to meet the deadline. You will be asked to verify your claim, e.g., produce medical certificates.

Mandatory Course Requirements

To pass INFO 241, students must have:

1. Correctly enrolled in the course,
2. Attained at least 50% for the final examination, AND
3. Attained a weighted average of 50% over all other assessments (Test, Lab tests, and assignments).
4. Collect terms for all 8 Labs.

Attendance: The material covered in the lectures and workshop is designed to help students complete their assignments and exams. So, students are expected to attend all course sessions and workshops. Students are also expected to complete the readings and work through recommended examples in the readings and class handouts.

In terms of weekly course workload, expect to spend two hours in lectures, two hours in the workshop and about seven to ten hours working on your own per week in preparation for lectures, workshops, assignments and exams.

Workshops

Students are *expected to have the following* for each computer workshop
▪ A computer account by the first week of the term
▪ A memory device to save all work
▪ Read the workshop prior to their allocated workshop time

Communication of Additional Information

All notices relating to this course will be posted on Blackboard.
www.blackboard.vuw.ac.nz

Faculty of Commerce and Administration Offices
Railway West Wing (RWW) - FCA Student Administration Office
The Student Administration Office is located on the ground and first floors of the Railway West Wing. The ground floor counter is the first point of contact for general enquiries and FCA forms. Student Administration Advisers are available to discuss course status and give further advice about FCA qualifications. To check for opening hours call the office on (04) 463 5376.

Easterfield (EA) - FCA/Law Kelburn Office
The Kelburn Campus Office for the Faculties of Commerce & Administration and Law is situated in the Easterfield Building - it includes the ground floor reception desk (EA005) and offices 125a to 131 (Level 1).The office is available for the following:
- Duty tutors for student contact and advice.
- Information concerning administrative and academic matters.
- FCA Student Administration forms (e.g. application for academic transcripts, requests for degree audit, COP requests).
- Examinations-related information during the examination period.

Check with the Student Administration Office for opening times (04) 463 5376.

General University Policies and Statutes
Students should familiarise themselves with the University's policies and statutes, particularly those regarding assessment and course of study requirements, and formal academic grievance procedures.

Student Conduct and Staff Conduct
The Statute on Student Conduct together with the Policy on Staff Conduct ensure that members of the University community are able to work, learn, study and participate in the academic and social aspects of the University's life in an atmosphere of safety and respect. The Statute on Student Conduct contains information on what conduct is prohibited and what steps can be taken if there is a complaint. For queries about complaint procedures under the Statute on Student Conduct, contact the Facilitator and Disputes Advisor. This Statute is available in the Faculty Student Administration Office or on the website at: www.vuw.ac.nz/policy/StudentConduct.
The policy on Staff Conduct can be found on the VUW website at: www.vuw.ac.nz/policy/StaffConduct.

Academic Grievances
If you have any academic problems with your course you should talk to the tutor or lecturer concerned or, if you are not satisfied with the result of that meeting, see the Head of School or the Associate Dean (Students) of your Faculty. Class representatives are available to assist you with this process. If, after trying the above channels, you are still unsatisfied, formal grievance procedures can be invoked. These are set out in the Academic Grievances Policy which is published on the VUW website:
www.vuw.ac.nz/policy/AcademicGrievances.

Academic Integrity and Plagiarism

Academic integrity is about honesty – put simply it means **no cheating**. All members of the University community are responsible for upholding academic integrity, which means staff and students are expected to behave honestly, fairly and with respect for others at all times.

Plagiarism is a form of cheating which undermines academic integrity. Plagiarism is **prohibited** at Victoria.

The University defines plagiarism as follows:
Plagiarism is presenting someone else's work as if it were your own, whether you mean to or not.

'Someone else's work' means anything *that is not your own idea, even if it is presented in your own style. It includes material from books, journals or any other printed source, the work of other students or staff, information from the Internet, software programmes and other electronic material, designs and ideas. It also includes the organization or structuring of any such material.*

Plagiarism is not worth the risk.
Any enrolled student found guilty of plagiarism will be subject to disciplinary procedures under the Statute on Student Conduct *(*www.vuw.ac.nz/policy/studentconduct) and may be penalized severely. Consequences of being found guilty of plagiarism can include:
- an oral or written warning
- suspension from class or university
- cancellation of your mark for an assessment or a fail grade for the course.

Find out more about plagiarism and how to avoid it, on the University's website at: www.vuw.ac.nz/home/studying/plagiarism.html.

Students with Disabilities
The University has a policy of reasonable accommodation of the needs of students with disabilities. The policy aims to give students with disabilities an equal opportunity with all other students to demonstrate their abilities. If you have a disability, impairment or chronic medical condition (temporary, permanent or recurring) that may impact on your ability to participate, learn and/or achieve in lectures and tutorials or in meeting the course requirements, then please contact the Course Coordinator as early in the course as possible. Alternatively you may wish to approach a Student Adviser from Disability Support Services to confidentially discuss your individual needs and the options and support that are available. Disability Support Services are located on Level 1, Robert Stout Building, or phoning 463-6070, email: disability@vuw.ac.nz. The name of your School's Disability Liaison Person can be obtained from the Administrative Assistant or the School Prospectus.

Student Support
Staff at Victoria want students' learning experiences at the University to be positive. If your academic progress is causing you concern, please contact the relevant Course Co-ordinator, or Associate Dean who will either help you directly or put you in contact with someone who can.

The Student Services Group is also available to provide a variety of support and services. Find out more at www.vuw.ac.nz/st_services/ or email student-services@vuw.ac.nz.

VUWSA employs two Education Coordinators who deal with academic problems and provide support, advice and advocacy services, as well as organising class representatives and

faculty delegates. The Education Office is located on the ground floor, Student Union Building, phone 463 6983 or 463 6984, email education@vuwsa.org.nz.

Manaaki Pihipihinga Maori and Pacific Mentoring programme (Faculties of Humanities and Social sciences and Commerce and Administration).

- **What:** Academic Mentoring for Maori and Pacific students studying at all levels in the above faculties. Weekly sessions for an hour with a mentor to go over assignments and any questions from tutorials or lectures. Registered students can use the faculty's study rooms and computer suite at any time at Kelburn and Pipitea.

- Mature student and Post grad network

If you would like to register as a mentor or mentee please contact the coordinator.

Where:

Melissa Dunlop
Programme Coordinator
Room 109 D
14 Kelburn Parade: back courtyard
Ph: (04) 463 6015
Email: Maori-Pacific-Mentoring@vuw.ac.nz

Please Note: A mentoring room will also be running at Pipitea Campus starting January. Please contact the Programme Coordinator for details.