



 School of Information Management

INFO341 ADVANCED DATABASE MANAGEMENT AND PROGRAMMING

Trimester 2 2008

COURSE OUTLINE

Contact Details

		Room	Tel.	E-mail
Course Coordinator	T.T. Goh	EA220	4636860	Tiong.goh@vuw.ac.nz
Senior Tutor	Xiao Yi Guan	EA111	4636998	xiaoyi.guan@vuw.ac.nz

Class Times and Room Numbers

Lecture	HMLT104	Monday & Wednesday 12:00 -12:50
Final Exam	No Final Exam	
Workshops and Tutorials	TBA in BlackBoard	

Course Objectives

This is an advanced enterprise level database management and programming course. Students will acquire the knowledge needed to develop a business solution using an enterprise level database server, and an appreciation of the issues and trade-offs relevant to practical solutions in the real life environment.

On satisfactory completion of this course, students should be able to:

- Design, specify and implement a working business solution using an enterprise level database.
- Develop effective interfaces for data queries and reports.
- Apply advanced query language, views, triggers, user defined functions, and stored procedures.
- Enhance business rules and data integrity.
- Apply database security.

Course Content

Wk	Date	Topic	Reading	Tutorial	Workshop
1	7/7	Introduction/ DB Files	B(4/18)		
	9/7	Programming T-SQL	B(8)		
2	14/7	Advanced/Enhancement SQL	A(7/8) B(5/6) C(2)		
	16/7	Special Functions	A(7/8)B(3)		
3	21/7	View	B(10)	Tutorial 1	
	23/7	Triggers I	B(13)		
4	28/7	Triggers II	B(13)		Workshop 1
	30/7	Stored Procedure I	B(8)		
5	4/8	Stored Procedure II	B(8)	Tutorial 2	Workshop 2
	6/8	User-Defined Functions	B(8)		
6	11/8	SQL CLR	C(3)		
	13/8	Video Communication Presentation			
7	1/9	Introduction to ASP.net	supp		
	3/9	Creating ASP.NET web site	supp		
8	8/9	Web form & Control	supp		Workshop 3
	10/9	More Control	supp		
9	15/9	Reporting Service	B(28) C(21)	Tutorial 3	Workshop 4
	17/9	Creating & Managing Report	B(28) C(21)		
10	22/9	Introduction to Analysis Service	B(25) C(17) A(13)		Workshop 5
	24/9	Business Intelligence Development	B(26) C(18) A(13)		
11	29/9	Class Test			
	1/10	Database Security	B(12)	Tutorial 4	Lab Test
12	6/10	Database Backup	B(20)		
	8/10	Database Recovery	B(20)		
		Project Presentation			

Recommended Text

[A] Rob, P., and Coronel, C.(2007). Database Systems: Design, Implementation, and Management. 7th Edition, Publisher: Course Technology. ISBN 1-4188-3593-5

[B] Petkovic, D. (2005). Microsoft SQL Server 2005: A Beginner's Guide. Publisher: McGraw-Hill Osborne Media

[C] Brust, A. J., and Forte, S. (2005). Programming Microsoft SQL Server 2005.

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 that is more than 3 days late will not be accepted 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.

Workshops

Students are *expected to have the following* for each computer workshop:

- A computer account by the first week of the term
- A storage device to save all work
- Read the workshop requirement prior to their allocated workshop time

Assessment Requirements

Task	Percentage
Weekly Assignments	30
Video Communication	10
Lab Test	10
Class Test	20
Final Project	30
Total	100

Mandatory Course Requirements

To pass INFO 341, students must have:

1. Attained at least 50% for the final project.
2. Attained a weighted average of 50% over all other course work.
3. Completed and signed off all the workshops and tutorials
4. Attended at least 80% lectures.
5. Attended all workshops and tutorials.

Workload

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

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 and Academic Services Office

The Faculty's Student and Academic Services 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 Student and Academic Services Office on (04) 463 5376.

Easterfield (EA) - FCA/Education/Law Kelburn Office

The Kelburn Campus Office for the Faculties of Commerce and Administration, Education and Law is situated in the Easterfield Building on the ground floor (EA005). This counter is the first point of contact for :

- Duty tutors for student contact and advice.
- Information concerning administrative and academic matters.
- Forms for FCA Student and Academic Services (e.g. application for academic transcripts, requests for degree audit, COP requests).
- Examinations-related information during the examination period.

To check for opening hours call the Student and Academic Services Office on (04) 463 5376.

General University Policies and Statutes

Students should familiarise themselves with the University's policies and statutes, particularly the Assessment Statute, the Personal Courses of Study Statute, the Statute on Student Conduct and any statutes relating to the particular qualifications being studied; see the Victoria University Calendar or go to www.victoria.ac.nz/home/about/policy/students.aspx

For information on the following topics, go to the Faculty's website www.victoria.ac.nz/fca under Important Information for Students:

- Academic Grievances
- Student and Staff Conduct
- Meeting the Needs of Students with Impairments
- Student Support

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. The University defines plagiarism as follows:

The presentation of the work of another person or other persons as if it were one's own, whether intended or not. This includes published or unpublished work, material on the Internet and the work of other students or staff.

It is still plagiarism even if you re-structure the material or present it in your own style or words.

Note: including the work of others will not be considered plagiarism as long as the work is acknowledged by appropriate referencing.

Plagiarism is prohibited at Victoria and is not worth the risk. Any enrolled student found guilty of plagiarism will be subject to disciplinary procedures under the Statute on Student Conduct and may be penalised severely. Consequences of being found guilty of plagiarism can include:

- an oral or written warning
- cancellation of your mark for an assessment or a fail grade for the course
- suspension from the course or the University.

Find out more about plagiarism, and how to avoid it, on the University's website:

www.victoria.ac.nz/home/studying/plagiarism.html

Manaaki Pihipihinga Programme

Manaaki Pihipihinga is an academic mentoring programme for undergraduate Māori and Pacific students in the Faculties of Commerce and Administration, and Humanities and Social Sciences. Sessions are held at the Kelburn and Pipitea Campuses in the Mentoring Rooms, 14 Kelburn Parade (back courtyard), Room 109D, and Room 210, Level 2, Railway West Wing. There is also a Pacific Support Coordinator who assists Pacific students by linking them to the services and support they need while studying at Victoria. Another feature of the programme is a support network for Postgraduate students with links to Postgraduate workshops and activities around Campus.

For further information, or to register with the programme, email manaaki-pihipihinga-programme@vuw.ac.nz or phone (04) 463 6015. To contact the Pacific Support Coordinator, email pacific-support-coord@vuw.ac.nz or phone (04) 463 5842.