



School of Information Management

INFO341 ADVANCED DATABASE MANAGEMENT AND PROGRAMMING

Trimester 2 2007

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	KKLT301	Tuesday & Thursday 12:00 -12:50
Workshop/Tutorial	MY 201	Thursday 5:10-7:00pm
Final Exam	No Final Exam	

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	Assignment	Workshop Exercise
1	10/7	Introduction	Ch 1		
	12/7	SQL 2005 interface	Ch 2		
2	17/7	Database Tables	Ch 3		Ex1
	19/7	Review SQL	Ch 4		
3	24/7	Advanced SQL	Ch 4		Ex2
	26/7	Special Functions	Ch 5		
4	31/7	Programming T-SQL	Ch 7		Ex3
	2/8	Triggers I	Ch 6	Assignment 1 due 9/8 11 am	
5	7/8	Triggers II	Ch 5		Ex4
	9/8	View	Ch 5		
6	14/8	Stored Procedure I	Ch 7		
	16/8	Stored Procedure I	Ch 7		
BREAK					
7	4/9	Database Forms with	Ch 8	Assignment 2 due 6/9 11 am	Ex5
	6/9	Visual Studio	Ch 8		
8	11/9	Customizing form	Ch 9		Ex6
	13/9	Multiple forms	Ch 9		
9	18/9	Creating Report	Ch 10		
	20/9	Modifying Report	Ch 10	Assignment 3 due 4/10 11 am	<i>Test 1 20/9</i>
10	25/9	Building Applications	Ch 11		Ex7
	27/9	Integrating Applications	Ch 11		
11	2/10	Creating Web form	Ch 14		Ex8
	4/10	Validation inputs	Ch 14		
12	9/10	Database Security	Ch 12		
	11/10	User Authentication	Ch 12		Project Due 12/10 11am

Required Text

Perry, J., & Post, G. (2007). Introduction to SQL Server: 2005. USA: Prentice Hall, ISBN: 0-13-229750-7.

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	Due Date
Assignment 1	10	9/8 11 am
Assignment 2	10	6/9 11 am
Assignment 3	10	4/10 11 am
Test 1	20	20/9
Multimedia Presentation*	10	TBA
Final Project	40	12/10
Total	100	

* Presented in class from week 2 to week 12

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.
4. Attended at least 80% of lectures and 80% of workshops.

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 - 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.
- 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.vuw.ac.nz/policy.

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

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

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 5233 ext. 8977. To contact the Pacific Support Coordinator, email pacific-support-coord@vuw.ac.nz or phone (04) 463 5842.