



School of Information Management

INFO241 INTRODUCTION TO DATABASE MANAGEMENT AND PROGRAMMING

Trimester 1 2007

COURSE OUTLINE

Contact Details

		Room	Tel.	E-mail
Course Coordinator	T.T. Goh	EA220	4636860	tiong.goh@vuw.ac.nz
Course Lecturer	David Mason	EA238	4635879	david.mason@vuw.ac.nz
Senior Tutor	Xiao Yi Guan	EA111	4636998	xiaoyi.guan@svuw.ac.nz

Class Times and Room Numbers

Lectures	KKLT 301	Tuesday and Friday 2:10 – 3:00 pm			
Workshops	MY 201	Session 1 Wednesday 10:00-12:00	Session 2 Wednesday 2:00-4:00	Session 3 Thursday 11:00-1:00	Session 4 Thursday 4:00-6:00
Final Exam	5 June – 1 July 2007				

Course Objectives

This course is designed to provide students with a complete introduction to the database concept, relational database model and application programming language. Topics include DBMS, database query language, normalisation, database design methodology, programming and database application development, database administration, and other emerging topics.

On satisfactory completion of this course, students should:

- 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.

Course Content

Week No.	Date	Lecture	Workshop	Tests & Assignments	Readings
Module 1* : Query, and it shall be given					
1	27/2	Introduction To Database Management			Pratt-Ch 1
	2/3	Relational Model 1: QBE And Relational Algebra			Pratt-Ch 2
2	6/3	Relational Model 2:Sql-1	Workshop 1		Pratt-Ch 3
	9/3	Relational Model 2:Sql-2			
3	13/3	Relational Model 3- Advanced Topic	Workshop 2		Pratt-Ch 4
	16/3	Revision			
Module 2*: It is normal to think normal					
4	20/3	Database Design 1: Normalisation -1	Workshop 3		Pratt-Ch 5
	23/3	Database Design 2: Design Methodology			Pratt-Ch 6
5	27/3	DBMS Functions	Workshop 4		Pratt-Ch 7
	30/3	Security			
6	3/4	Database Administration		Assignment 1 due 3/4 (1PM)	Pratt-Ch 8
	6/4	No Class			
BREAK					
Module 3**: Is easier than you thought					
7	24/4	Introduction To Access VBA Variables, Constants And Data Types	Workshop 5		VBA-Ch 1,2,3
	27/4	Using Procedures			VBA-Ch 4
8	1/5	VBA Function & Flow Control Statement	Workshop 6		VBA-Ch 5 & 6
	4/5	Working With Array		Class test on 7/5/2007(5 PM)	VBA-Ch 7
9	8/5	Understanding Objects Scope And Lifetime			VBA-Ch 8 & 9
	11/5	Working With Forms			VBA-Ch 10
Module 4**: Programming for Success					
10	15/5	Access Event Model	Workshop 7		VBA-Ch 11
	18/5	Working With List And Combo Boxes			VBA-Ch 12
11	22/5	Working With Other Controls	Workshop 8		VBA-Ch 13
	25/5	Working With Reports			VBA-Ch 14
12	29/5	Introduction To ADO		Workshop test this week	VBA-Ch 16
	1/6	Revision For Examination		Assignment 2 due 1/6(1PM)	

* David Mason, ** Goh

Expected Workload

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.

Required Books

Students must obtain the required text books from the bookshop.

Pratt P. J., & Adamski J. J. (2006). Concept of Database Management, Fifth Edition, Thomson Course Technology, ISBN 0-619-21529-1.

Harkins S. S., & Gunderloy M. (2007). Automating Microsoft Access with VBA, Que Publishing, ISBN 0-7897-3224-0.

Assessment Requirements

	Weight %
Class Test	20
Workshop Test	10
Assignment 1	10
Assignment 2	20
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. Attained at least 50% for the final examination, AND
2. Attained a weighted average of 50% over all other assessments (class test, workshop tests, and assignments).
3. Completed all the workshops.

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

Workshops

Students are expected to sign up for ONLY ONE session of the workshop through the tutorial sign-up system. Students should also prepare for 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 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.