



School of Information Management

INFO 241 INTRODUCTION TO DATABASE MANAGEMENT AND PROGRAMMING

Trimester 1 2005

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	4635233x 8915	Hugo.Gong@vuw.ac.nz

Class Times and Room Numbers

Lecture	HM LT 003	Friday 9:00 – 10:50 am	
Workshop	MY 201	Session 1	Session 2
		Tuesday 2:00-4:00	Wednesday 4:00-6:00
Final Exam	30 May – 18 June 2005		

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	25/2	Introduction & VBA Programming I			Ch 1, 5A
2g	4/3	VBA Programming II	Lab 1		Sup
3s	11/3	SQL Queries I	Lab 2		Ch 4
4s	18/3	Advanced SQL Queries	Lab 3		Ch 5
5	25/3	No Lecture	Lab 4	A1 Due 23/3 11am	
MID SEMESTER BREAK					
6s	15/4	Data Modelling Design	Lab Test 1		Ch 1 & 2
7g	22/4	Normalisation	Lab 5		Ch 3
8g	29/4	Form and Report Design	Lab 6	Test (after hour-TBA)	Ch 6
9g	6/5	Advanced Programming	Lab 7		Sup
10s	13/5	Database Integrity and Transaction	Catch up		Ch 7
11g	20/5	Data warehouse and data mining	Lab Test 2		Ch 8
12s	27/5	Administration & Security	Lab 8	A2 Due 27/5 11am	Ch 9*

Readings

Refer to schedule.

Required Text

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

References

Adamski, J., & Finnegan, K. (2004) New Perspectives on Microsoft Office Access 2003, Comprehensive. USA: Course Technology

Assessment Requirements

	Weight %
Test	10
Lab Test	10
Assignment 1	10
Assignment 2	20
Final Exam	50
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. Collected 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 floppy disk 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 Blackboard.

www.blackboard.vuw.ac.nz

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.