TE WHARE WĀNANGA O TE ŪPOKO O TE IKA A MĀUI
VICTORIA
UNIVERSITY OF WELLINGTON

School of Information Management

INFO232 Business Systems Analysis

Trimester Two 2011

COURSE OUTLINE

Contact Details

	Staff	Room	Email & Telephone	Contact
Course Co-ordinator & Lecturer	David Johnstone	RH431	david.johnstone@vuw.ac.nz Ph. 463-5877	By appointment
Senior Tutor	Xiaoyi Guan	RH502	Xiaoyi.guan@vuw.ac.nz Ph. 463-6998	Mon – Fri, 12-4pm

Dates, Times and Room Numbers

Credit Value: 15 points
Prerequisite: INFO101
Restrictions: INFO222

Teaching Period: Monday 11 July – Friday 14 October 2011
Study Period: Monday 17 October – Thursday 20 October 2011
Examination Period: Friday 21 October – Saturday 12 November 2011 (inclusive)

Lectures: Thursday, 10:30am – 12:30pm
Tutorials: See **Tutorial Signup Instructions**

Withdrawal from Courses

1. Your fees will be refunded if you withdraw from this course on or before **22 July 2011**.

2. The last date for withdrawal from this course is **Friday, 23 September 2011.** After this date, students forced to withdraw by circumstances beyond their control must apply for permission on an '*Application for Associate Dean's Permission to Withdraw Late*' form, including supporting documentation.

   The application form is available from either of the Faculty's Student Customer Service Desks.

Course Schedule

INFO 232 – Lectures & Tutorials			2011 / 2
Date	**Topic**	**Readings**	**Notes**
WEEK 1:			
Thurs 14 July	Introduction to IS development Requirements determination	Bent & Whit Ch 1, 3, 6	Sign up for tutorials this week
	No Tutorials		
WEEK 2:			
Thurs 21 July	Introduction to data modelling (ERDs)	Bent & Whit Ch 8	
	TUTORIAL 1: Requirements determination		
WEEK 3:			
Thurs 28 July	Logical data modelling (ERDs)	Bent & Whit Ch 8	
	TUTORIAL 2: Data modelling		
WEEK 4:			
Thurs 4 Aug	Data analysis (Normalisation)	Bent & Whit Ch 8	
	TUTORIAL 3: Data modelling		
WEEK 5:			
Thurs 11 Aug	**TEST 1**		
	TUTORIAL 4: Data analysis		
WEEK 6:			
Thurs 18 Aug	Use cases	Bent & Whit Ch 7	
	No Tutorials		
WEEKS: 22 August – 4 September	**TRIMESTER BREAK**		
WEEK 7:			
Thurs 8 Sept	Introduction to process modelling (DFDs)	Bent & Whit Ch 9	
	TUTORIAL 5: Process modelling (use cases)		
WEEK 8:			
Thurs 15 Sept	Further process modelling (DFDs)	Bent & Whit Ch 9	
	TUTORIAL 6: Process modelling (DFDs)		
WEEK 9:			
Thurs 22 Sept	**TEST 2**		
	TUTORIAL 7: Process modelling (DFDs)		
WEEK 10:			
Thurs 29 Sept	Systems design: application architecture & databases	Bent & Whit Ch 12-14	
	No Tutorials		
WEEK 11:			
Thurs 6 Oct	Systems design: input, output and interfaces	Bent & Whit Ch 15-17	
	TUTORIAL 8: Database design & physical DFDs		
WEEK 12:			
Thurs 12 Oct	Object oriented analysis & design using UML	Bent & Whit Ch 10, 18	
	TUTORIAL 9: I/O and interface design		

Course Learning Objectives

The course objectives are expressed in the table below. Note that they are also linked to **graduate attributes** (those attributes that a graduate with a BCA should possess) and **major attributes** (those attributes that a graduate with a major in *Information Systems* should possess). The relevant attributes of both types are explained following the table.

Objective	On completion of this course, students will be able to:	Graduate Attributes	Major Attributes
a	Explain the different stages of the Systems Development Life Cycle (SDLC)	LG4	MA1, MA2
b	Perform requirements analysis	LG1, LG2	MA1, MA3
c	Develop data models	LG1, LG2	MA1, MA3, MA5
d	Develop process models	LG1, LG2	MA1, MA3, MA5
e	Develop design solutions	LG1, LG2	MA1, MA2, MA3, MA4, MA5, MA6

BCA Graduate Attributes

LG1: Critical and creative thinking

LG2: Communication

LG3: Global and multicultural perspectives

LG4: Leadership

Major Attributes for Information Systems

MA1: Understand and manage the interplay between people, technologies and organisations that underlies information systems.

MA2: Demonstrate a sound understanding of IT and related organisational processes.

MA3: Analyse, design, develop, test, implement, and maintain information strategies, systems, processes and applications for an organisation.

MA4: Exploit opportunities created by technology innovations.

MA5: Communicate the technical and managerial aspects of information systems.

MA6: Understand, manage, and control IT risks and security.

Delivery Method

Learning materials for this course are delivered in two complementary ways: through (i) lectures and tutorials; and (ii) resources on the (Blackboard) website. Each method is both important and necessary to achieve the course objectives.

Expected Workload

As a 15-point course, students are expected to invest approximately 150 hours worth of effort to complete the course successfully. These hours include time preparing for and participating in: lectures, tutorials, and tests. They include time spent at the university and any time spent on the course off campus.

Use of Blackboard

Course Material

All course material and announcements will be published on Blackboard on a regular basis. **Students are expected to download these materials from Blackboard.**

Announcements

The announcements page for the course will be used to distribute course announcements. It will be updated periodically. You are expected to check the announcements regularly.

Textbook

The textbook for this course is:

Whitten & Bentley (2007) Systems Analysis & Design, McGraw-Hill, 7th Edition

Assessment Details

Course assessment will be based on the following:

	Learn Obj		Date
Test 1 (Data Modelling)	**a, b, c**	**25%**	**11 August**
Test 2 (Process Modelling)	**a, d**	**25%**	**22 September**
Examination	**a, e**	**40%**	**tba (exam period)**
Tutorial submissions	**b, c, d, e**	**10%**	Every week except for Weeks 1, 6, 10
TOTAL		***100%***	

QUALITY ASSURANCE NOTE: *Your assessed work may also be used for quality assurance purposes, such as to assess the level of achievement of learning objectives as required for accreditation and audit purposes. The findings may be used to inform changes aimed at improving the quality of FCA programmes. All material used for such processes will be treated as confidential, and the outcome will not affect your grade for the course.*

Mandatory Course Requirements

To pass this course, students must:

1. **Participate in at least seven out of nine designated tutorials;**
2. **Obtain an average of at least 50% across all assessments; and**
3. **Obtain at least 40% of the possible marks in the final examination.**

***Please note**: Do not take chances by missing tutorials unnecessarily – you may later become ill or be otherwise forced to miss some tutorials, and then find that you have not accumulated enough tutorial attendances.*

Tutorials

Students are required to register for **one** 1-hour tutorial.

Tutorial Sign-up

The opportunity to sign up for tutorials will begin **immediately after Thursday's lecture in Week 1**. Please sign up for a tutorial session by **5pm, Sunday** as tutorials will start in Week 2. The tutorial signup system is called S-cubed (see https://signups.victoria.ac.nz/ for details). Instructions are available on Blackboard.

Tutorial hopping is not permitted

Tutorial hopping is not allowed. If you need to temporarily change to another tutorial, please print and fill out the Tutorial Change Form (can be found under Course Information tag on Blackboard).

This form must be signed by Senior Tutor or Course Co-ordinator. You will only get attendance from the replacement tutorial if you show the tutor of the class the signed change form at the beginning of the tutorial.

Tutorials

For each tutorial, students are required to submit their submission to the tutors at the beginning of the tutorial. Each submission is worth 1% of your final grade. A bonus 1% will be given if you attend all nine tutorials.

Tests / Examination

The tests reflect the three parts of the course. For each test, you will be provided with details of an assignment case, and will be expected to answer questions about the case during the test. The more students work on the assignment case prior to the test, the better prepared they will be when sitting the test.

Note the first two tests are held during class time. The final test is set as an examination after the lectures.

Students who enrol in courses with examinations are obliged to attend an examination at the University at any time during the formal examination period.

The final examination for this course will be scheduled at some time during the period:

Friday 21st October – Saturday 21st November 2011 (inclusive)

Scaling

To obtain a fair and consistent distribution of marks relative to assessment difficulty, scaling of marks may be employed on some or all assessments.

Penalties

Failure to sit a test will mean no marks are allocated for that assessment. Failure to submit a tutorial submission before the start of the tutorial will mean no mark will be allocated. If students are unable to sit a test, or submit their tutorial submission on time, they need to provide the Senior Tutor (or Course Coordinator) with documentary evidence (such as a medical certificate) demonstrating why they were unable to comply.

***Please note: Certificates from the Student Counselling Service are no longer accepted as documentary evidence to support an extension.**

Class Representative

The class representative provides a communication channel to liaise with the Course Coordinator on behalf of students. A class representative will be elected in the first lecture of this course. Their contact details will be made available on Blackboard.

Communication of Additional Information

All formal notices relating to this course will be posted on the Blackboard website - you are expected to log on and check for announcements on a regular basis, at least two or three times a week. The INFO232 website can be accessed at: http://blackboard.vuw.ac.nz

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.

For the following important information follow the links provided:

Academic Integrity and Plagiarism
http://www.victoria.ac.nz/home/study/plagiarism.aspx

General University Policies and Statutes
Find key dates, explanations of grades and other useful information at
www.victoria.ac.nz/home/study

Find out about academic progress and restricted enrolment at
http://www.victoria.ac.nz/home/study/academic-progress.aspx

The University's statutes and policies are available at www.victoria.ac.nz/home/about/policy, except qualification statutes, which are available via the Calendar webpage at
http://www.victoria.ac.nz/home/study/calendar.aspx (See Section C).

Further information about the University's academic processes can be found on the website of the Assistant Vice-Chancellor (Academic) at
www.victoria.ac.nz/home/about_victoria/avcacademic/default.aspx

AVC (Academic) Website: information including: Conduct, Academic Grievances, Students with Impairments, Student Support
http://www.victoria.ac.nz/home/about_victoria/avcacademic/Publications.aspx

Faculty of Commerce and Administration Offices
http://www.victoria.ac.nz/fca/studenthelp/

Te Pūtahi Atawhai
Maori and Pacific Mentoring Programme
http://www.victoria.ac.nz/st_services/tpa/index.aspx