

School of Information Management

INFO 232 BUSINESS SYSTEMS ANALYSIS

Trimester 2, 2014

COURSE OUTLINE

Names and Contact Details

Course Coordinator Janet Toland
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Office Hours email for appointment

Senior Tutor Weiwei Li
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Trimester Dates

Teaching Period: Monday 14th July – Friday 17th October

Study Period: Monday 20th October – Thursday 23rd October

Examination Period: Friday 24th October – Saturday 15th November (inclusive)

Withdrawal from Course

1. Your fees will be refunded if you withdraw from this course on or before Friday 25th July 2014.
2. The standard last date for withdrawal from this course is Friday 26th September. 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*' including supporting documentation. The application form is available from either of the Faculty's Student Customer Service Desks.

Class Times and Room Numbers

Lectures: Monday 9.30 a.m. – 10.20 a.m. RHLT1
Wednesday 9.30 a.m. – 10.20 a.m. RHLT1

Tutorials: See Tutorial Signup Instructions

Course Delivery

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.

Prescription

An examination of the nature of the IS system development life cycle (SDLC) from a practical perspective. Particular emphasis is given to business analysis techniques, focusing on data modeling, process modeling and systems 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 BCom 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

BCom 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.

Course Content

INFO 232 – Lectures & Tutorials			2014 / 2
Date	Topic	Readings	Notes
WEEK 1:			
14 July	Introduction to Systems Analysis & Design	Rosenblatt Chap 1	Sign up for tutorials this week
	No Tutorials		
WEEK 2:			
21 July	Analysing the Business Case	Rosenblatt Chap 2	Tutorials begin
	TUTORIAL 1: Requirements determination		
WEEK 3:			
28 July	Requirements Modelling	Rosenblatt Chap 4	
	TUTORIAL 2: Feasibility analysis		
WEEK 4:			
4 August	Data & Process Modelling 1	Rosenblatt Chap 5	
	TUTORIAL 3: Process modelling (DFDs)		
WEEK 5:			
11 August	Data & Process Modelling 2	Rosenblatt Chap 5	
	TUTORIAL 4: Process modelling (DFDs)		
WEEK 6:			
18 August	Object Modelling	Rosenblatt Chap 6	
	TUTORIAL 5: Process modelling (DFDs)		
WEEKS: 26 August – 6 September TRIMESTER BREAK			
WEEK 7:			
8 Sept	Development Strategies (No Monday Lecture)	Rosenblatt Chap 7	TEST 5.30pm to 7.30pm Monday 8th September
	TUTORIAL 6: Process modelling (use cases)		
WEEK 8:			
15 Sept	User Interface Design	Rosenblatt Chap 8	
	TUTORIAL 7: Software development options		
WEEK 9:			
22 Sept	Data Design 1	Rosenblatt Chap 9	
	TUTORIAL 8: : I/O and interface design		
WEEK 10:			
29 Sept	Data Design 2	Rosenblatt Chap 9	
	TUTORIAL 9: Data modelling		
WEEK 11:			
6 Oct	Systems Architecture	Rosenblatt Chap 10	
	TUTORIAL 10: Data modelling		
WEEK 12:			
13 Oct	Managing Systems Implementation	Rosenblatt Chap 11	No tutorials
	No tutorials		

Readings

The textbook for this course is:

Rosenblatt (2014) Systems Analysis & Design, Cengage Course Technology, 10th Edition

This book is available online via Vic Books website at

<https://www.vicbooks.co.nz/victoria-university/cengage-brain-vuw-ebooks>

Materials and Equipment

All course material and announcements will be published on Blackboard on a regular basis.

Students are expected to download these materials from Blackboard.

Assessment

From Trimester 1, 2014, a revised Assessment Handbook will apply to all VUW courses: see <http://www.victoria.ac.nz/documents/policy/staff-policy/assessment-handbook.pdf>. In particular, there will be a new grade scheme, in which the A+ range will be 90-100% and 50-54% will be a C-.

Course assessment will be based on the following:

	<u>Learn Objective</u>	<u>Date</u>	
Mid Term Test	a, b, d	30%	Monday 8 th September 5.30 to 7.30pm
Tutorial submissions	a, b, c, d, e	30%	Weeks 2 to 6, 8 to 11
Examination	a, b, c, d, e	40%	tba (exam period)
<i>TOTAL</i>		<i>100%</i>	

Tutorials

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

Tutorial Sign-up

The opportunity to sign up for tutorials will begin **at 11am after Monday's lecture in Week 1.**

Please sign up for a tutorial session by **5pm Tuesday 15th July** 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 contact Senior Tutor Weiwei Li weiwei.li@vuw.ac.nz for permission.

Tutorials

For each tutorial, students are required to submit their submission to the tutors at the beginning of the tutorial. Each submission is worth 3% of your final grade. There are 9 submissions in total, the best 8 will be used to calculate your overall mark. If due to exceptional circumstances you are unable to attend your tutorial you may send your submission to janet.toland@vuw.ac.nz before your tutorial start time. You must clearly state your tutorial time and tutors name.

Mid Term Test

Mid-term test will be held on Monday 8 September from 5.30 pm-7.30pm in RHLT1 & RHLT2.

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.

Use of Turnitin

Student work provided for assessment in this course may be checked for academic integrity by the electronic search engine <http://www.turnitin.com>. Turnitin is an on-line plagiarism prevention tool which compares submitted work with a very large database of existing material. At the discretion of the Head of School, handwritten work may be copy-typed by the School and submitted to Turnitin. A copy of submitted materials will be retained on behalf of the University for detection of future plagiarism, but access to the full text of submissions will not be made available to any other party.

Examinations

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 following period:

Friday 24th October – Saturday 15th November (inclusive)

Mandatory Course Requirements

In addition to obtaining an overall course mark of 50% or better, students must

1. Participate in at least eight out of ten designated tutorials;
2. 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.

If you cannot complete an assignment or sit a test or examination, refer to

www.victoria.ac.nz/home/study/exams-and-assessments/aegrotat

Class Representative

A class representative will be elected in the first class, and that person's name and contact details made available to VUWSA, the course coordinator and the class. The class representative provides a communication channel to liaise with the course coordinator on behalf of students.

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>

Student feedback

Student feedback in 2013 was positive and students particularly valued the skills they learnt in tutorials. Student feedback on University courses may be found at www.cad.vuw.ac.nz/feedback/feedback_display.php

Link to general information

For general information about course-related matters, go to

<http://www.victoria.ac.nz/vbs/studenthelp/general-course-information>

Note to Students

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 academic audit. The findings may be used to inform changes aimed at improving the quality of VBS programmes. All material used for such processes will be treated as confidential, and the outcome will not affect your grade for the course.
