TE WHARE WĀNANGA O TE ŪPOKO O TE IKA A MĀUI

VICTORIA
UNIVERSITY OF WELLINGTON

School of Information Management

INFO 376 ENTERPRISE ARCHITECTURE

Trimester 1, 2016

COURSE OUTLINE

Prescription
The course will enable students to learn the theory and best practices leading to the alignment between business strategy and information technology. Students learn how to analyse, model, design and evaluate enterprise architecture; and how to create effective governance instruments for successful enterprise architecture.

Course Learning Objectives
Students who pass this course should be able to:
1. Analyse elements of Enterprise Architecture, including information, application and service structures;
2. Evaluate methods, models, frameworks, patterns and components of Enterprise Architecture;
3. Use software tools to build, maintain and communicate enterprise-wide models;
4. Design effective policies for successful enterprise information system evolution.

Trimester Dates
From Monday 29th February to Friday 10th June.

Withdrawal from Course
1. Your fees will be refunded if you withdraw from this course on or before Friday 11th March 2016.
2. The standard last date for withdrawal from this course is Friday 13th May 2016 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 or online.

Names and Contact Details

	Staff	Contact Details	Room	Office Hours
Course Coordinator & Lecturer	Janet Toland	463 6861 janet.toland@vuw.ac.nz	RH 523	After lectures & by appointment
Lecturer	Thuan Nguyen	463 5504 thuan.nguyen@vuw.ac.nz	RH 420	After lectures & by appointment
SIM Undergraduate Support Team	Anette Klaassen Duncan Inkster	simstudents@vuw.ac.nz 04 463 6998	RH 521	Mon-Fri 10am-4pm or by appointment

Course Delivery

The following schedule indicates the topic of the lectures each week and when deliverables are due.

Week	Lead	Topic	Tutorial/ WkShop	Deliverable
29 February	Janet/ Thuan	What is enterprise architecture? Enterprise architecture case studies.	No Tutorial/ Workshop	
7 March	Thuan	Enterprise architecture frameworks e.g. TOGAF, Zachmann.	Tutorial 1	
14 March	Thuan	TOGAF: Framework & principles. TOGAF: Architecture vision.	Tutorial 2	Tutorial Pop Quiz 1.
21 March	Janet/ Thuan	**In class Test** TOGAF: Overview of business architecture. **No lecture on Thursday**	Tutorial 3 (Mon, Tue, Wed groups)	In class test 1. Tutorial Pop Quiz 2 (Mon, Tue, Wed groups).
Easter Break				
28 March	Janet	TOGAF: Business architecture. **No lecture on Tuesday**	Tutorial 3 (Thurs, Fri groups)	Tutorial Pop Quiz 2 (Thurs, Fri groups).
4 April	Janet	TOGAF: Business architecture.	Tutorial 4	Tutorial Pop Quiz 3.
11 April	Janet	TOGAF: Information systems architecture.	Tutorial 5	Tutorial Pop Quiz 4.
18 April	Janet	TOGAF: Technology architecture.	Tutorial 6	Enterprise architecture analysis & modelling assignment. Tutorial Pop Quiz 5.
Mid Trimester Break				
4 May	Janet/ Thuan	In class test. TOGAF: Implementation governance & migration planning.	Workshop 1	In class test 2.
11 May	Thuan	TOGAF: Architecture change management.	Workshop 2	
18 May	Janet/ Thuan	New developments: service orientated architecture.	Workshop 3	In class test 3.
25 May	Thuan	New developments: cloud computing.	Workshop 4	
1 June	Janet/ Thuan	In class test 4: group research presentations.	Workshop 5	In class test 4 (group presentations).
Wk. 13				Enterprise architecture plan. 10 June.

Class Times and Room Numbers
Tuesday 10.30am-11.20am GBLT2
Thursday 10.30am -11.20am GBLT2

Tutorial/Workshop Signups
Sign up via myAllocator https://student-sa.victoria.ac.nz/

Readings
The compulsory textbook for this course is:
Desray, P. & Raymond, G. (2014). Modelling Enterprise Architecture with TOGAF: A practical guide using UML and BPMN, MK/OMG Press
The textbook will be available in hardcopy from VicBooks as of Week 3 price $78. It is also available in Kindle format.

Further useful readings include:
Bernard, S.A. (2012). An Introduction to Enterprise Architecture, AuthorHouse.
Kaisler, S. H, Armour, F., & Valivullah, M. (2005). Enterprise architecting: Critical problems. Paper presented at the System Sciences. Proceedings of the 38th Annual Hawaii International Conference.
Pereira, C. M., & Sousa, P. (2004). A method to define an Enterprise Architecture using the Zachman Framework. Paper presented at the Proceedings of the 2004 ACM symposium on Applied Computing.
Ross, J.W., Weill, P. & Robertson, D.C. (2006). Enterprise Architecture as Strategy: Creating a foundation for business execution, Harvard Business Press.
Sessions, R. (2007). A Comparison of the Top Four Enterprise Architecture Methodologies. http://www.citeulike.org/group/4795/article/4619058
Smith, H. A. & Watson, R. (2015). The Jewel in the Crown - Enterprise Architecture at Chubb. MIS Quarterly Executive 11 (2) 195-209
Tamm, T, Reynolds, P., Seddon, P. B., Frampton, K. M. & Shanks, G. (2015). How an Australian Retailer Enabled Business Transformation Through Enterprise Architecture. MIS Quarterly Executive 11 (2) 182-193
Toppenberg, G., Henningsson, S., & Shanks, G. (2015). How Cisco Systems Used Enterprise Architecture Capability to Sustain Acquisition-Based Growth. MIS Quarterly Executive 11 (2) 151-168
Van Den Berg, Martin, & Van Steenbergen, Marlies. (2007). Building an enterprise architecture practice: tools, tips, best practices, ready-to-use insights: Springer Science & Business Media.
Winter, Robert, & Fischer, Ronny. (2006). Essential layers, artifacts, and dependencies of enterprise architecture. Paper presented at the Enterprise Distributed Object Computing Conference Workshops. EDOCW'06. 10th IEEE International.

TOGAF framework
-   TOGAF framework: http://pubs.opengroup.org/architecture/togaf9-doc/arch/

Mandatory course requirements
In addition to achieving an overall pass mark of at least 50%, students must attend at least 4 out of 6 tutorials and participate in the group presentations

If you believe that exceptional circumstances may prevent you from meeting the mandatory course requirements, contact the Course Coordinator for advice as soon as possible.
If you cannot complete an assignment or sit a test or examination, refer to
www.victoria.ac.nz/home/study/exams-and-assessments/aegrotat

Expected Workload
This is a 15-point course. One point equates to approximately 10 hours of work, for a total of 150 hours for the course. Each week, students are expected to spend about:
- 2 hours in the lectures
- 2 hours preparing for the lecture
- 1 hour in the tutorial/ workshop
- 4 hours preparing for the tutorial/workshop
- 3-5 hours preparing the course assignments and studying for tests

Assessment
The Assessment Handbook will apply to all VUW courses: see
http://www.victoria.ac.nz/documents/policy/staff-policy/assessment-handbook.pdf.

Requirement	Learning Objective	Due Date	Weight
Tests (4 x 10%) (3 in class tests of approximately 30 minutes) (1 x 10 minute group presentation)	1, 2 & 4	In class Wks. 4, 8, 10 & 12	40%
Enterprise architecture analysis and modelling (20 hours)	1, 2 & 4	22 April	25%
Enterprise architecture plan (20 hours)	1 & 3	10 June	25%
Tutorial pop quizzes (5 x 2%)	1, 2 & 4	In class Wks. 3-7	10%

Students will work in groups of 3 to 6 people to research and prepare a short presentation for in class test 4 worth 10%, marks will be distributed equally between students in most cases. There will also be an element of group work in the tutorial pop quizzes which will be marked on the basis of individual & group marks.

Penalties
The penalty for late submission of work without a prior extension arrangement is a reduction of 10% of the available marks each calendar day, starting from the due date and time, up to 5 days after the due date. At the course coordinator's discretion, work handed in after 5 days may be assessed and feedback provided, but no grade will be assigned.

Extensions
Personal extensions are granted only in special circumstances and supporting evidence such as a medical certificate may be requested by the course coordinator or SIM undergraduate support team.

Non-extendable assessments. For some work, such as: lab projects, case discussion preparation, and tutorial preparation there is no possibility of late submission as the opportunity for the work to be completed has already passed.

Group Work
Students will work in groups for the final in class test, this will require 10 hours of work beyond the scheduled class time.

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.

Student Feedback
Note that this a new course and consequently no student feedback from past courses is available. Student feedback on University courses may be found at:
www.cad.vuw.ac.nz/feedback/feedback_display.php

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
Additional information or information on changes will be announced in class, posted on Blackboard and/or e-mailed to students, depending on the situation. It is imperative that students monitor Blackboard regularly as well as their student e-mail accounts.

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.

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