

School of Information Management

INFO 222 MODERN SYSTEMS ANALYSIS

Trimester 2 2005

COURSE OUTLINE

Contact Details

Lecturer & Course Coordinator:

Joerg Evermann

EA 214

Tel. 04 463 6857

Joerg.Evermann@vuw.ac.nz

Class Times and Room Numbers

Lectures:

Tuesdays, 14:10 to 16:00, HM LT 105

Computer lab workshops:

Thursdays, 9:00 to 12:00, MY 201

Fridays, 9:00 to 12:00, MY 201

Note: This may change due to tutor availability and class size

Final Exam:

During exam period, Oct 10 - Nov 6

Course Objectives

The course is an introduction to object-oriented system analysis and software development. It will provide students with an understanding of

- Object-oriented principles
- A standard modelling notation (UML)
- The process of analysing and designing software artefacts
- Managerial issues that surround systems analysis and software development.

Students will also gain hands-on experience using modern computer aided software engineering tools.

Course Content

The course will cover the following topics in each of the weeks indicated. Note that the coverage of current topics depends on the overall progress of the course.

Week	Topic	Textbook Chapters
1	Introduction: Motivation, Software engineering, Model-driven development	1
2	Object-oriented principles in Software and Models	2
3	Requirements Modelling with Use Cases	7, 8
4	Describing use cases with interaction diagrams	9, 10
5	Class diagrams	5, 6
6	Midterm review, Midterm Exam (50 minutes)	
7	State and Activity Diagrams	11, 12
8	Packages, Components, Deployment	13, 14
9	Reuse: Components Quality: Verification, Validation, Testing	18, 19
10	Management: Teams, Leadership, Quality assurance	20
11	Current topics: eXtreme programming, Agile Methods, RUP (if time permits)	
12	Course Review, Summary, Conclusion	

Readings

Required Textbook:

Perdita Stevens and Rob Pooley: Using UML - Software Engineering with Objects and Components. Addison-Wesley, 2000.

Available at the VUW bookstore.

Materials and Equipment

No other materials required.

Assessment Requirements

1. Midterm exam
In-class during Week 6 (50 minutes), 30%
2. Final exam
Scheduled during exam period (2 hours), 50%
- 3 Workshop participation and sign-off
As indicated in workshop schedule, 20%

To pass the course, each of the three assessment items must be passed with at least 50%.

Penalties

Workshop participation must be signed-off by the tutor for your class. No late sign-offs will be accepted.

Mandatory Course Requirements

See assessment requirements

Communication of Additional Information

Course information will be maintained on the VUW BlackBoard System. All students are required to access this at least twice per week. Email communication from students must be via their SCS email accounts. Email from other email accounts will be ignored.

Faculty of Commerce and Administration Offices

Railway West Wing (RWW) - FCA Student Administration Office

The Student Administration 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.

Easterfield (EA) - FCA/Law Kelburn Office

The Kelburn Campus Office for the Faculties of Commerce & Administration 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, will be open from 9:00 am to 5:00 pm during Trimester 2, offers the following:

- Duty tutors for student contact and advice.
- Information concerning administrative and academic matters.
- FCA Student Administration forms (e.g. application for academic transcripts, requests for degree audit, COP requests).
- Examinations-related information during the examination period.

Please note:

There will be a Student Administration Adviser, from the RWW office, based in EA005 from Monday 27 June to Friday 1 July (9:00 am to 5:00 pm) and from Monday 4 July to Friday 22 July (11:00 am to 1:00 pm).

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 Adviser. 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 Grievance 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.

Maori and Pacific Mentoring programme (Manaaki Pihipihinga)

This is a free programme of mentoring for Maori and Pacific students doing first year courses within the Faculty of Commerce and Administration. Weekly one hour mentoring sessions: drafting and editing assignments/discussing any questions that you might have from tutorials or lectures and going over every aspect of essay writing, either in small group sessions or on a one-to-one basis.

This includes:

- A computer suite hooked up to cyber commons for students to use to produce their assignments.
- Regular skill-based workshops with a learning adviser from Student Learning Support Services.
- Networking with other Maori and Pacific support groups throughout the university.

For more information please contact:

Melissa Dunlop, Programme Coordinator

Ph: 463 6015 or Email: Maori-Pacific-Mentoring@vuw.ac.nz