

SWEN301 (2018) - Structured Methods

Prescription

This course introduces structured methods, tools and procedures for software engineering. These include the software life-cycle, common software engineering paradigms, and key elements of software engineering such as requirements analysis and specification, design, implementation, testing, maintenance, software quality assurance and software configuration management. Practical work includes the use of an integrated computer aided software engineering (CASE) environment and other development tools.

Course learning objectives

Students who pass this course should be able to:

1. Demonstrate an understanding of the main issues involved in the engineering of medium to large software systems
2. Demonstrate competence in software engineering processes, practices, and tools

Withdrawal from Course

Withdrawal dates and process:

<https://www.victoria.ac.nz/students/study/course-additions-withdrawals>

Lecturers

James Noble (Coordinator)

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234 Cotton, Kelburn

Stephen Marshall

Stephen.Marshall@vuw.ac.nz 04 4635205

105 10 Wai-te-ata Rd, Kelburn

Teaching Format

During the trimester there will be two lectures per week. There are no regular helpdesk or tutorial for this course. If either are required they will be scheduled as needed.

Student feedback

Student feedback on University courses may be found at:

www.cad.vuw.ac.nz/feedback/feedback_display.php

Dates (trimester, teaching & break dates)

- Teaching: 05 March 2018 - 08 June 2018
- Break: 23 April 2018 - 27 April 2018
- Study period: 11 June 2018 - 14 June 2018
- Exam period: 15 June 2018 - 04 July 2018

Class Times and Room Numbers

05 March 2018 - 25 March 2018

- **Friday** 11:00 - 11:50 – LT323, Hunter, Kelburn

05 March 2018 - 01 April 2018

- **Tuesday** 13:10 - 14:00 – LT101, Maclaurin, Kelburn
- **Wednesday** 16:10 - 17:00 – LT323, Hunter, Kelburn

02 April 2018 - 22 April 2018

- **Friday** 11:00 - 11:50 – LT323, Hunter, Kelburn

09 April 2018 - 22 April 2018

- **Tuesday** 13:10 - 14:00 – LT101, Maclaurin, Kelburn
- **Wednesday** 16:10 - 17:00 – LT323, Hunter, Kelburn

30 April 2018 - 10 June 2018

- **Tuesday** 13:10 - 14:00 – LT101, Maclaurin, Kelburn
- **Wednesday** 16:10 - 17:00 – LT323, Hunter, Kelburn
- **Friday** 11:00 - 11:50 – LT323, Hunter, Kelburn

Set Texts and Recommended Readings

Required

There is no set text for this course.

Recommended

Recommended Reading will be available via the Talis Aspire system.

Mandatory Course Requirements

There are no mandatory course requirements for this course.

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.

Assessment

This course will be assessed via three Projects:

Craft Project	26/03/2018	CLO: 1,2	20%
Architecture Project	04/05/2018	CLO: 1,2	40%
Testing Project	01/06/2018	CLO: 1,2	40%

Penalties

Late submissions will incur an automatic penalty of 10% of the final mark per day.

Extensions

Extensions may be granted by the course coordinator in exceptional circumstances.

Submission & Return

Work will be submitted and returned via ECS's submission and assessment systems.

Marking Criteria

Marking criteria will vary for each project and will form part of the course and project descriptions

Workload

In order to maintain satisfactory progress in SWEN 301, you should plan to spend an average of 10 hours per week on this paper, and 150 hours over the entire course. A plausible and approximate breakdown for these hours would be:

- Lectures and tutorials: 2-3 hours,
- Readings: 2-3 hours, and
- Assignments and project: 4-5 hours.

Teaching Plan

See: https://ecs.victoria.ac.nz/Courses/SWEN301_2018T1/LectureSchedule

Communication of Additional Information

The main means of communication outside of lectures will be the SWEN 301 web area at https://ecs.victoria.ac.nz/Courses/SWEN301_2018T1/. There you will find, among other things, this document, the lecture schedule and assignment handouts, and the SWEN 301 Forum. The forum is a web-based bulletin board system. Questions and comments can be posted to the forum, and staff will read these posts and frequently respond to them.

Links to General Course Information

- Academic Integrity and Plagiarism: <https://www.victoria.ac.nz/students/study/exams/integrity-plagiarism>
- Academic Progress: <https://www.victoria.ac.nz/students/study/progress/academic-progress> (including restrictions and non-engagement)
- Dates and deadlines: <https://www.victoria.ac.nz/students/study/dates>
- Grades: <https://www.victoria.ac.nz/students/study/progress/grades>
- Special passes: Refer to the Assessment Handbook, at <https://www.victoria.ac.nz/documents/policy/staff-policy/assessment-handbook.pdf>
- Statutes and policies, e.g. Student Conduct Statute: <https://www.victoria.ac.nz/about/governance/strategy>
- Student support: <https://www.victoria.ac.nz/students/support>
- Students with disabilities: https://www.victoria.ac.nz/st_services/disability/
- Student Charter: <https://www.victoria.ac.nz/learning-teaching/learning-partnerships/student-charter>
- Terms and Conditions: <https://www.victoria.ac.nz/study/apply-enrol/terms-conditions/student-contract>
- Turnitin: <http://www.cad.vuw.ac.nz/wiki/index.php/Turnitin>
- University structure: <https://www.victoria.ac.nz/about/governance/structure>
- VUWSA: <http://www.vuwsa.org.nz>

Offering CRN: [17183](#)

Points: 15

Prerequisites: SWEN 225 (or both 222 and 223)

Duration: 05 March 2018 - 04 July 2018

Starts: Trimester 1

Campus: Kelburn