Course Outline

View in browser (https://www.cse.unsw.edu.au/~se2011/16s1/outlinenew.html)

SENG2011 Software Engineering Workshop 2A, Semester 1 2016

Course Outline

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Course Details

Course Code: SENG2011

Course Title: Software Engineering Workshop 2A

Units of Credit: 6

Course Website: http://www.cse.unsw.edu.au/~se2011/

Handbook Entry: http://www.handbook.unsw.edu.au/undergraduate/courses/2016/SENG2011.html

Hours per week: 3 plus a mentor meeting
Prerequisite: SENG1031
Corequisite: COMP2111
Lectures and location: Consult the course timetable.

Communication with students

The course web page will be the main source of announcements and information. You *must* check the course web page regularly, in particular the notices on the home page of the course website. If you miss an important announcement because you did not check the notices web page, no special dispensation will be granted.Urgent announcements may also be sent to your *CSE email address*, and you are equally accountable for such communications. If you have a different email account that you prefer, you should redirect your School account to there: otherwise you might miss important announcements. (Use the mlalias command for that.)

Course Staff

Contact Details

Staff Name	Role	Email	Phone
Albert Nymeyer	Lecturer in Charge	a.nymeyer@unsw.edu.au	none yet

Course Summary

This course teaches practical techniques for computer program development that help us to proceed from informal but precise *requirements*, via more formal and precise *specifications* through to *implementations* that are correct and easy to understand and maintain. Parallel instruction in the underlying methods used in SENG2011 will come from COMP2111.

In the first part of the course, the lectures, presentations and mentor-meetings will be organized around a sequence of from-requirements-to-program examples that will become increasingly demanding. The problems studied in this part will be relatively small in scale, and assignments will be done individually and by hand: the emphasis is on understanding the techniques both in theory and in practice.

The second part of the course will consist of a groupwork project that will require the application of the techniques studied in the first part to a larger scale problem. This part of the course will use a tool that automates some of the work required to establish that the program developed satisfies its specification.

There will also be lectures on Project Management. Students will be expected to apply project management techniques in their project work, and document their application of these techniques.

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