

MechEng Software Engineering 3

Lecture 1 (Introduction): Wednesday 13th January

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Administration

Lectures: Wednesday 11-12, James Watt South 427A
Friday 10-11, Rankine 108

This course has **NO EXAM**, but there will be two assessed exercises. Approximate deadlines: 19 February, 26 March.

Textbook: "Software Engineering", 8th edition, Sommerville.
(Recommended, not essential.)

Where to find me: S142, Sir Alwyn Williams Building (adjacent to the QM). Email: simon@dcsgla.ac.uk

Course Material

Copies of lecture slides and exercises will be available from:

www.dcs.gla.ac.uk/~simon/teaching/MechEngSE3

I will hand out copies of lecture slides, so that you can make notes on them.

Each week I will provide some (short) additional reading, either as a handout or as a web address. The idea is to give you a broader view of what software engineers and computing scientists find interesting.

Scope of this course

Unfortunately we are not able to do practical software development or programming.

We will concentrate on the earlier stages of the software engineering process:

- requirements analysis and specifications
- domain modelling
- object-oriented design

but not implementation, although we will discuss testing.

Those of you who are programmers will be able to think about how the ideas of software engineering fit into what you know about programming.

Why are we (you) here?

Why might mechanical engineers be interested in software engineering?

(Why might anyone be interested in software engineering?)

What is engineering?

I am from the computing science department. We offer degrees in computing science and in software engineering. What is the difference?

Complete the relationship:

computing science : software engineering
=
? : mechanical engineering