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# Software Testing: Overview

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## Course Administration: Books

- **Main text: Pezzè & Young, Software Testing and Analysis: Process, Principles and Techniques, Wiley, 2007.**
- Paul Ammann and Jeff Offutt, Introduction to Software Testing, Cambridge University Press, Cambridge, UK, ISBN 0-52188-038-1, 2008.
- G.J. Myers, The Art of Software Testing, Second Edition, John Wiley & Sons, New York, 1976.
- B. Marick, The Craft of Software Testing, Prentice Hall, 1995
- C Kaner, J. Bach, B. Pettichord, Lessons Learned in Software Testing, Wiley, 2001.

Material covered via readings, presentations, web resources and practical experience.

## Course Administration

- **Course TA:** Panos Stratis <s1329012@sms.ed.ac.uk>, Room 5.24 @ IF
- Tutors:
  - Ajitha Rajan arajan@staffmail.ed.ac.uk
  - Vanya Yaneva s0835905@sms.ed.ac.uk
- **Course Web page:** <http://www.inf.ed.ac.uk/teaching/courses/st/>
- Useful: <http://www.cs.uoregon.edu/~michal/book/index.html>
- Useful: <http://www.testingeducation.org>

- Alternate: [http://www.youtube.com/watch?v=ILkT\\_HV9DVU](http://www.youtube.com/watch?v=ILkT_HV9DVU) Open Lecture by James Bach on Software Testing - where he takes a different perspective on the task.
- Useful Context: <http://www.computer.org/web/swebok> see the Testing section of the Software Engineering Body of Knowledge

## Course Assessment

- **One practical worth 25% of the final mark** — Practical will involve 3 different tasks for testing a system and producing a group report (group size - 2).

**Task1 – Issued:** 27th January. **Deadline** - 10th February .

**Task2 – 2 parts.**

**Issued:** 13th February. **Deadline** - 27th Feb (Part 1), 10th March (Part 2)

**Task3 – 2 parts.**

**Issued:** 10th March. **Deadline** - 20th March (Part 1), 31st March (Part 2).

- **One examination worth 75%.** This will be an **open-book** examination.

- **Tutorials** — are not assessed but doing them will make it much easier to do the examination and practicals

## Tutorials

- There are four tutorials available on the course. Each one is *owned* by a different tutor.
  - Tutorial 1 - Week 3 (week starting January 30th)
  - Tutorial 2 - Week 5 (week starting Feb 13th)
  - Tutorial 3 - Week 7 (week starting March 6th)
  - Tutorial 4 - Week 8 (week starting March 13th)
- Each tutorial relates to a different section of the practical.
- You must read through and prepare for the tutorial in advance. Some of the tasks in the tutorials require you to work with another person, these can be done during the tutorial.