

# OS - Retrospection

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## Tid-bits from course outline

After completing this course, students will:

- Understand the key concepts and mechanisms of modern operating systems:
  1. processes and process management, including threads and concurrency management,
  2. physical and virtual memory management techniques ,
  3. on-line storage methods (file systems)
- Able to apply their knowledge to understand/diagnose the behaviour of an operating system
- Able to implement or extend the functionality of an operating system.

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## Operating Systems @ CSE.UNSW

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## Systems Courses

- COMP9242 Advanced Operating Systems
  - In-depth coverage of OS implementation issues
  - Learn more about what makes OS fast and what makes them slow
  - Learn how the OS deals with multiprocessors, caches, virtualisation, etc, etc....
  - Write your own OS on a microkernel
- In Term 3 taught by Prof. Gernot Heiser and Assoc. Prof. Kevin Elphinstone

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## Why am I telling you this?



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## Does the following Interest you?

- Gaining in-depth experience in OS research
- Working on a very challenging projects
- Collaborating closely with active researchers
- Getting a high thesis mark
- International travel
- Fame and fortune

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## Prerequisites

- Keen interest in OS
- Demonstrable background/ability in OS
- Sharp Intellect
- Committed to working on a project

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## Still Interested?

- Check out <https://trustworthy.systems/>
  - Specifically, the student section
  - Apply for a Taste of Research ~~Course~~ Scholarship

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## myExperience Survey

- The on-line myExperience survey is available
- Please make time to do it
- Think about your feedback
  - Don't just write "The course sucks" even if you think it
    - I won't know how to improve it!!!
    - Feel to write "The course sucks" and add the following
  - Write
    - "The course is to slow in section XXXX"
    - "The first assignment is too easy and mostly a cut-n-paste from the lecture slides"
    - "The exam should be invigilated"
  - Feedback is best when readily actionable

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## Final Exam

- Separate papers for OS (3231/9201) and Extended OS (3891/9283)
- Fri, 28th Apr, 14:00
- Two Hours
- Open book on moodle
- More details and a sample coming!

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## Examinable Content

- All Lectures, Tutorials, Assignments.
- More specifically
  - Anything related to learning outcomes

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GOOD  
LUCK

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