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. online 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.

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

Why am I telling you this?

- 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
Prerequisites

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

Still Interested?

• Check out https://trustworthy.systems/
  – Specifically, the student section
  – Apply for a Taste of Research Summer Scholarship

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 free to write “The course sucks” and add the following
  – Write
    • “The course is too slow in section XXX”
    • “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

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!

Examinable Content

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

GOOD LUCK