

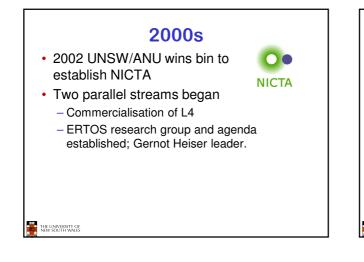
# Operating Systems @ UNSW

John Lions (19 January 1937 - 5 Dacember 1980)
 Played a leading role in bringing UNIX to Australia
 Founding president of Australia UNIX Users Group
 Based his OS course on understanding the UNIX V6 source code
 Forward thinking at the time.
 Authored a source code commentary in 1977 to aid understanding
 "After 20 years, this is still the best exposition of the workings of a "real" operating system"
 — Ken Thompson, co-author of Unix
 Publication was suppressed by AT&T, and the commentary was widely photocopie d'underground".
 Finally officially published in 1996. Available at http://www.aug.org.au/resources/lons.pdf
 Lions Garden dedicated in 2002
 2006 Alurmi established John Lions Chair of Operating Systems
 2009 Gernot Heiser became the inaugural chair.

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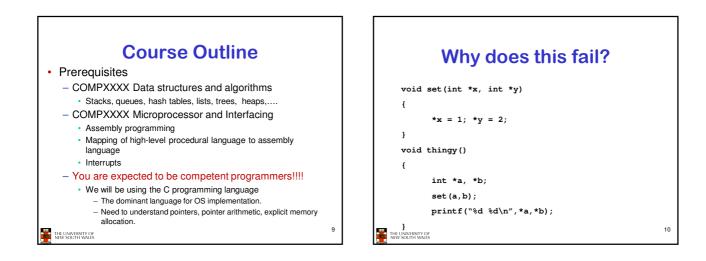
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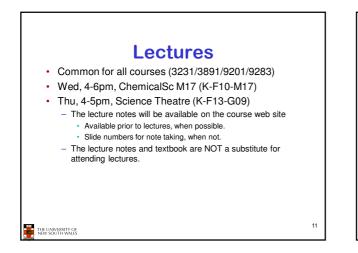


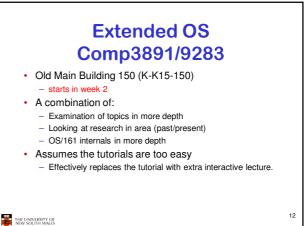












## **Tutorials**

### Start in week 2

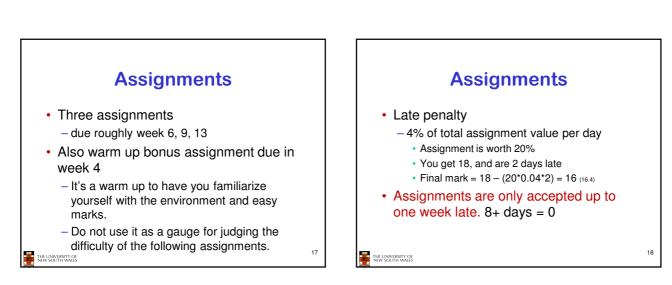
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- A tutorial participation mark will contribute to your final assessment.
  - Participation means participation, NOT attendance.
  - Comp3891/9283 students excluded
  - Comp9201 optional
- You will only get participation marks in your enrolled tutorial.
- Assignments form a substantial component of gour assessment.
  They are challenging!!!!
  Because operating systems are challenging.
  We will be using OS/161,
  an educational operating system
  developed by the Systems Group At Harvard
  th contains roughly 20,000 lines of code and comments

Assignments Assignments Assignments are in pairs except warm-up Asst0 Don't under estimate the time needed to do the - Info on how to pair up available soon assignments. We usually offer advanced versions of the 80% is understanding assignment 2 & 3 20% programming Available bonus marks are small compared to amount of If you start a couple days before they are due, you effort required. will be late. - Student should do it for the challenge, not the marks. To encourage you to start early, Attempting the advanced component is not a valid excuse Bonus 10% of awarded mark of the assignment for finishing for failure to complete the normal component of the a week early assignment See course handout for exact details consider it a different optional assignment Read the fine print!!!! Extended OS students (COMP3891/9283) are encouraged to attempt the advanced assignments 15 THE UNIVERSITY OF NEW SOUTH WALES THE UNIVERSITY OF NEW SOUTH WALES

13

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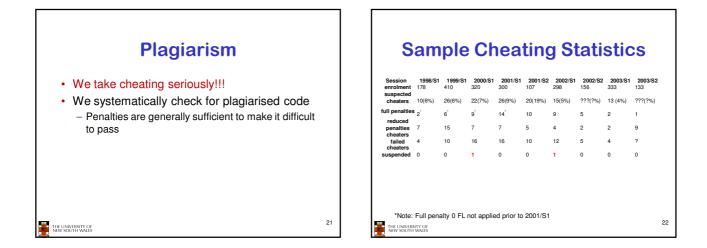
### Assignments

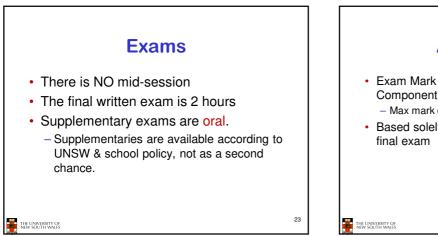
Submission test failed. Continue with submission (y/n)? y

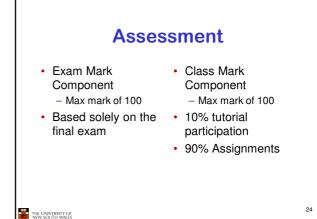
- Lazy/careless submitter penalty: %15
- Submitted the wrong assignment version penalty: 15%
  - Assuming we can validly date the intended version

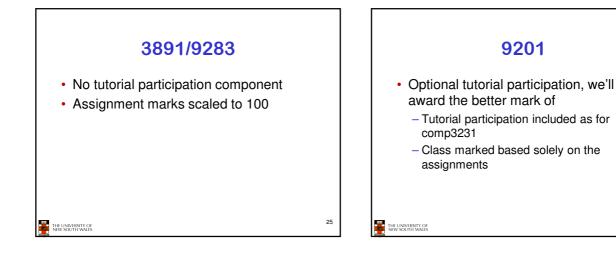
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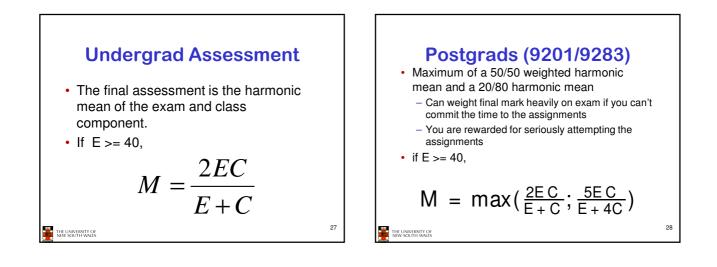
# <section-header> Assignments In the pout with the assignments We dedicate a tutorial per-assignment to discuss issues related to the assignment. Prepare for them!!!!!

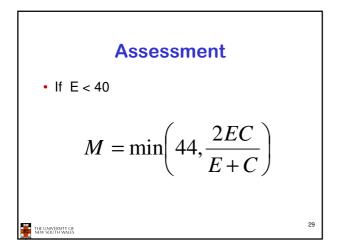


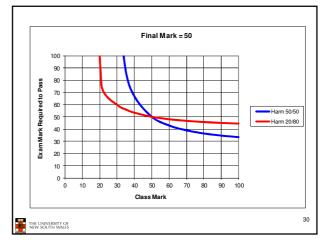


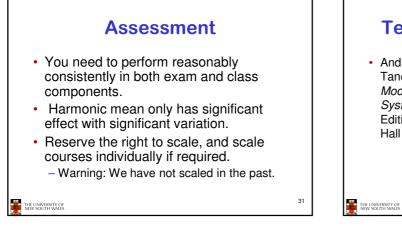






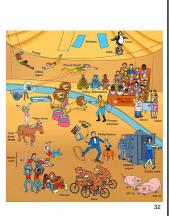






## Textbook

 Andrew Tanenbaum, *Modern Operating Systems,* 3rd Edition, Prentice Hall



Forum and Wiki References Forum for Q/A about assignments and course - Ask questions there for the benefit of everybody A. Silberschatz and P.B. Galvin, Operating System Concepts,  $5^{th},\,6^{th},\,or\,7^{th}$  edition, Addison Wesley - Look there before asking William Stallings, Operating Systems: Internals and Design Principles, 4th or 5<sup>th</sup> edition, Prentice Hall. Wiki - Look here before asking on the forum A. Tannenbaum, A. Woodhull, *Operating Systems--Design and Implementation*, 2<sup>nd</sup> edition Prentice Hall - Contains John O'Gorman, Operating Systems, MacMillan, 2000 Tips for setting up Uresh Vahalla, UNIX Internals: The New Frontiers, Prentice Note: we only support CSE machines, you're on your own at home Most students get a workable home environment going Hall, 1996 McKusick et al., The Design and Implementation of the 4.4 BSD Operating System, Addison Wesley, 1996 · Tips for the assignments - Only as good as feedback or your contributions 33 THE UNIVERSITY OF NEW SOUTH WALES THE UNIVERSITY OF NEW SOUTH WALES

