ARQUITETURA E IMPLEMENTAÇÃO DE SISTEMAS DE OPERAÇÃO

Mestrado Integrado em Engenharia Informática
Departamento de Informática
Faculdade de Ciências e Tecnologia
Universidade NOVA de Lisboa

2014/2015

FACULDADE DE CIÊNCIAS E TECNOLOGIA
UNIVERSIDADE NOVA DE LISBOA

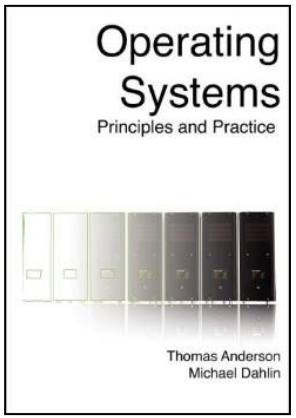
Main Info

- Lecturer
  - Hervé Paulino (herve.paulino@fct.unl.pt)
- Web page
  - http://asc.di.fct.unl.pt/~herve
    - Classes → AISO
  - CLIP (http://clip.unl.pt)

Program

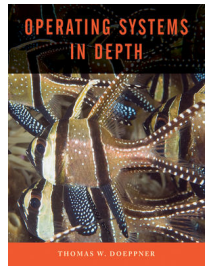
- Introduction
- Kernels and Processes
- Concurrency, Synchronization and Scheduling
- Memory Management
- Persistent Storage

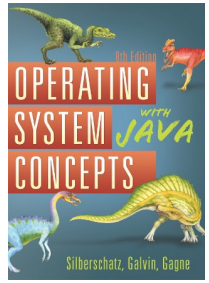
Bibliography

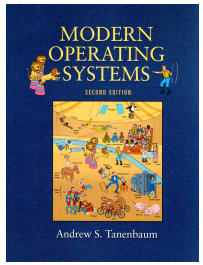


- Main reference
  - T. Andersson, M. Dahlin, Operating Systems: Principles and Practice, 2012, Recursive Books. ISBN: 0985673516

- Complementary references
  - Operating Systems in Depth, T.W. Doeppner, John Wiley & Sons, ISBN: 978-0-471-68723-8
  - Operating System Concepts with Java, 8 Ed., Silberschatz, Galvin and Gagne, John Wiley & Sons, ISBN: 978-0-470-50949-4
  - Modern Operating Systems, 2 Ed., A.S. Tanenbaum, Prentice-Hall, ISBN: 978-0-130-31358-4
  - Remzi Arpaci-Dusseau, Andrea Arpaci-Dusseau, Operating Systems: Three Easy Pieces, 2013, http://pages.cs.wisc.edu/~remzi/OSTEP/







Evaluation

- Two components
  - Tests or final exam (CTE)
  - Labs (CL)
  - Final Mark = CTE * 50% + CL * 50%

- Tests or final exam
  - Two tests
    - T1 on April 16th
    - T2 on June 1st – day of the last lab class

  - CTE = (T1 + T2) / 2 or CTE = Final exam

Evaluation

- Labs
  - **Three** out of **four** projects in groups of 2 students
  - CL = ((P1 + P2 + P3 + P4) – Min(P1, P2, P3, P4))/3

  - The dates for the projects are:

Project	Topic	Presentation	Deadline
P1	OS Design	March 2nd	March 20th
P2	Scheduling	March 23th	April 19th
P3	Memory Managemnt	April 20th	May 8th
P4	Persistent Storage	May 11th	May 29th

  - Each project will be subjected to a discussion