



# Operating System

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# Course Introduction



- Describe internal behavior of operating systems
  - We will sometimes cover details about Linux, Windows and Solaris
- You need to write programs in this class
  - 4 or 5 C/C++ programs running on Linux

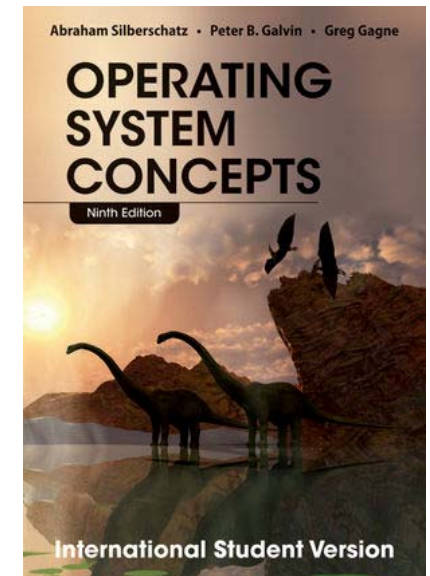
# Topics



- Operating System Structures
- Process Concept
- Multithreading
- Process Scheduling
- Process Synchronization
- Deadlocks
- Memory Management
- File Systems
- IO Systems

# Documents

- Text book
  - Operating System Concepts 9/E (International Student Version), by A. Silberschatz, P. B. Galvin, and G. Gagne, John Wiley & Sons. Inc.
- Teaching notes
  - Placed on the web site before the class
    - <http://os.csie.ncku.edu.tw>



# Contact information and Teaching Assistants

- Contact information
  - Office: 資訊新大樓 65C13 (12F)
  - Email: davidchang@csie.ncku.edu.tw
- Teaching Assistants
  - announce on the course website

# Grading



- Mid-term exam (30%)
- Final exam (30%)
- Homework (40%)
  - Programs (with Demos)
    - 禁抄襲

# Rules

- 考試作弊  $\rightarrow 0$
- 作業抄襲  $\rightarrow 1/N$
- 沒有補考