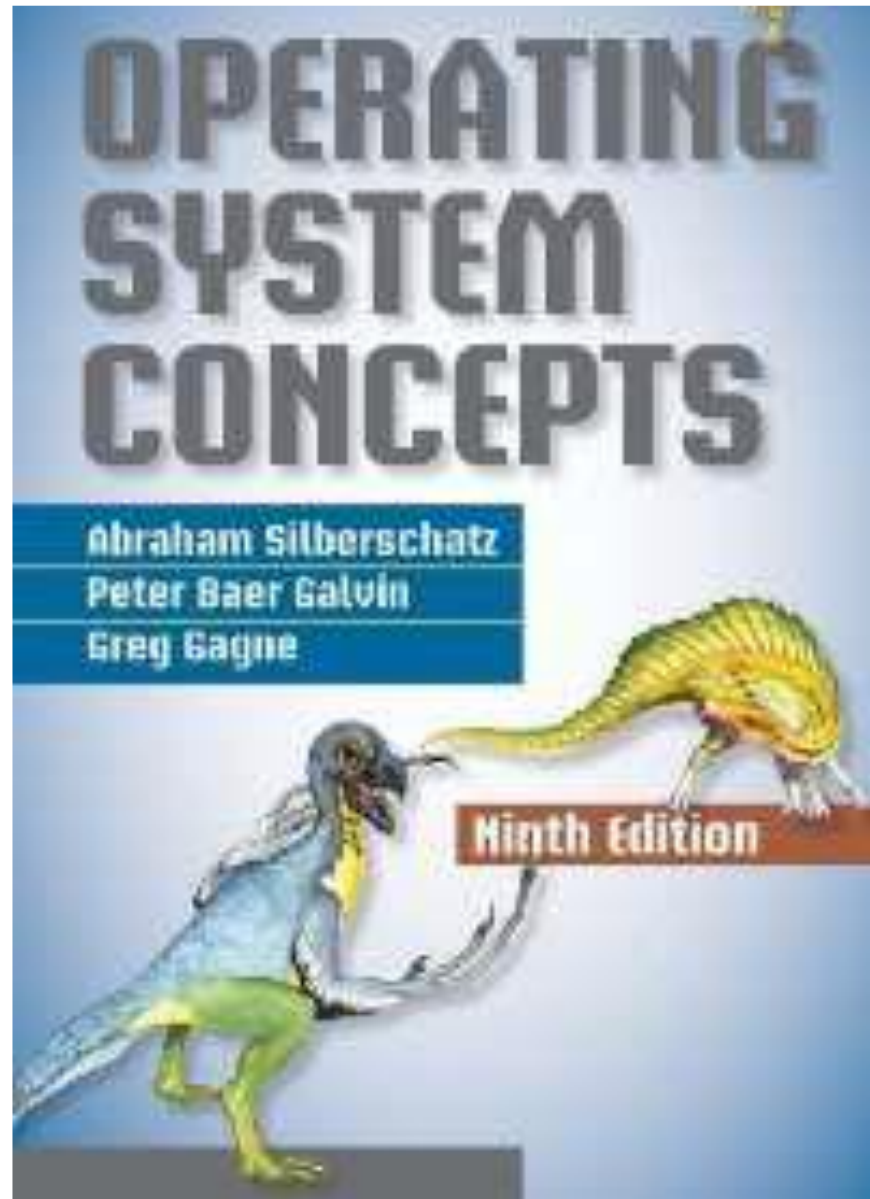


# CS5009: Advanced Operating Systems



# Course Information

- Instructor: Dr. Bilal Khan
  - Office: Room#216
  - e-mail: [khan.bilal@nu.edu.pk](mailto:khan.bilal@nu.edu.pk)
- Office hour: 4~5pm on Tuesday, Wednesdays and Fridays
- Evaluation (Tentative)
  - HW: 7.5%, Quizzes: 10%, Sessional 1: 15%, Sessional 2: 15%, Final-term: 40%, Research paper writing+presentation: 10%.
- Final Grading: *Absolute*
- Text book
  - *Operating Systems Concepts* by Silberschatz and Galvin
- Reference Book
  - Modern Operating System by A.S. Tanenbaum
  - Operating Systems: Internals and Design Principles by William Stallings
- All class materials can be downloaded from googleclassroom (Class code [xemxitu](#))

# Course Contents

- We will study the following chapters of the Textbook
  - Chapter 1: Introduction
  - Chapter 2: Operating System Structures
  - Chapter 3: Processes
  - Chapter 4: Threads
  - Chapter 5: Process Synchronization
  - Chapter 6: CPU Scheduling
  - Chapter 7: Deadlocks
  - Chapter 8: Main Memory
  - Chapter 9: Virtual Memory
  - Chapter 10: Mass Storage
  - Chapter 11: File system Interface/Implementation