



# *Principles of Operating System*

Preface

東北大學 软件学院

# About me

**Kai Shi (石凯)**

**From : Software College, NEU**

**Office : 综合楼305**

**Phone : 139 4045 1060**

**Email : shik@swc.neu.edu.cn**

**Research interests :**

**relevant logic and its applications,  
anticipatory reasoning-reacting systems,  
safety engineering**

東北大學 软件学院

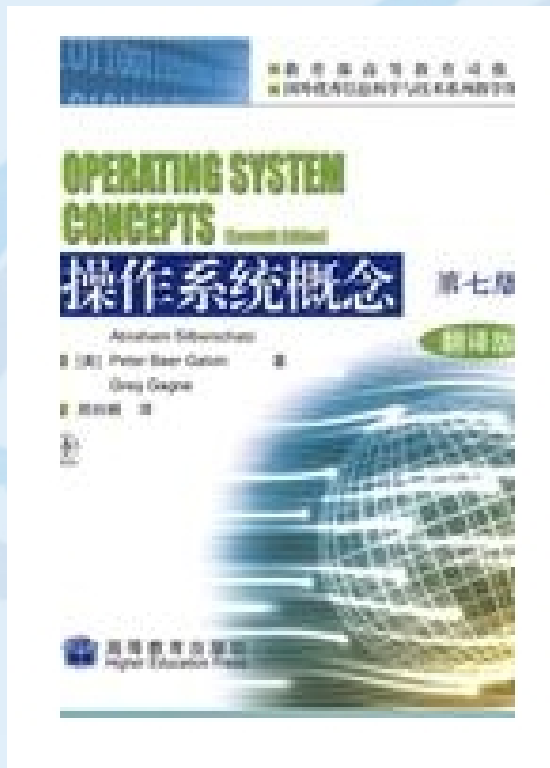
# *Description*

- **Operating system is an essential part of computer system.**
- **This course examines the important problems in operating system design and implementation.**
- **Particular emphasis will be given to three major OS subsystems:**
  - **process management**
  - **memory management**
  - **I/O systems.**

# *Domains referred to*

- **Computer organization/hardware**
- **Programming language as C or Java**
- **Software design**
- **Basic data structures**
- **Algorithms**
- **Networks**

# Textbook

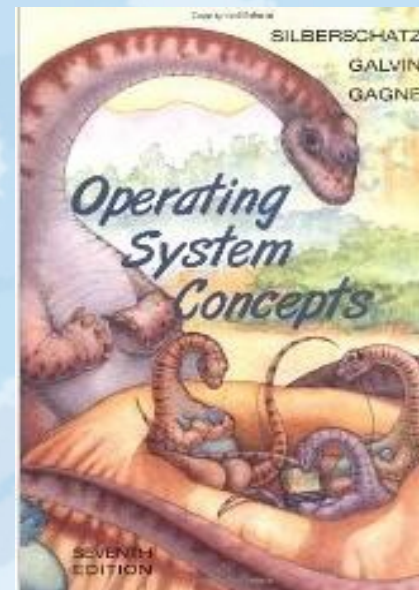


## *Operating System Concepts*

Abraham Silberschatz

Peter Baer Galvin

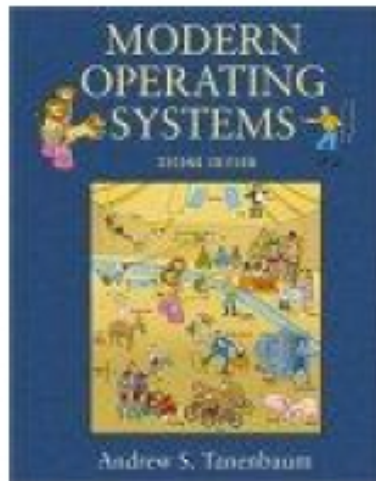
Greg Gagne



東北大學 软件学院



# Reference Material



## *Modern Operating Systems*

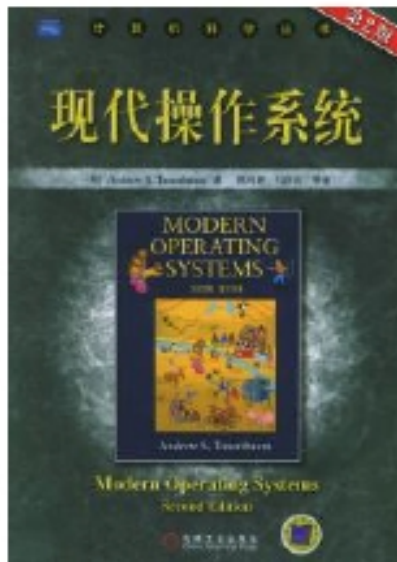
Andrew S. Tanenbaum



## *Operating Systems Design and Implementation*

Andrew S. Tanenbaum  
Albert S. Woodhull

# Reference Material (cont.)



现代操作系统  
陈向群等译  
机械工业出版社



操作系统—  
内核与设计原理  
**William Stallings**  
电子工业出版社



计算机操作系统  
(修订版)  
汤子瀛等  
西安电子科技  
大学出版社

東北大學 软件学院

# *Grading*

**Labs: 20%**

**Homework: 20%**

**Attendance: 10%**

**Final exam: 50%**

**The only thing you  
need to do is to be  
always honest!!!**





# *Principles of Operating System*

End of preface

東北大學 软件学院