Lecture 1 Introduction

1 Please read the Chapter 1 of Operating System Concepts (the "dinosaur"book). If you are still available, it's good for you reading the Chapter 1 of Operating Systems, Internals and Design Principles.

2 you should have an idea about the function and roles of an Operating Systems, and the basic ideal of computer system organization and mainstream architecture.

3 you should understand about the interrupt mechanism.

4 you should understand about the requirement of process management, memory management and storage management.

Understand the terms:

1 interrupt

2 dual mode

3 Multiprogramming

4 Timesharing

5 multiprocessor computer system

6 asymmetric multiprocessing (ASMP)

7 symmetric multiprocessing (SMP)

8 spatial locality

9 time locality

10 privileged instruction