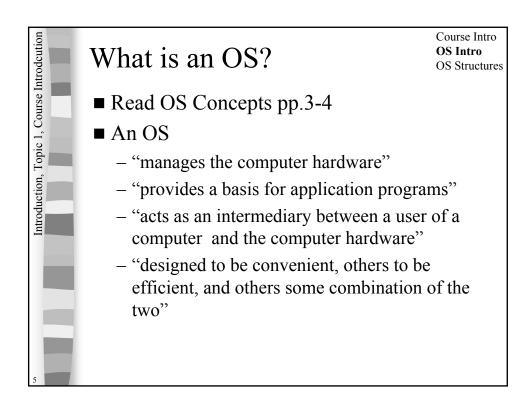


OS Course Contents Introduction Processes & Threads Memory Management File Systems I/O Systems Protection & Security Distributed OS Issues?

OS Lecture Plan & **Course Intro** Introduction, Topic 1, Course Introdcution OS Intro OS Structures Course Text ■ Generally 2 lectures & 1 tutorial per week ■ Reading required by all students prior to lectures - sometimes at the start of a lecture **■** Course Text - Operating Systems Concepts (6th edition) including the Windows XP update • Silberschatz, Galvin & Gagne (Wiley) • ISBN 0-471-26272-2 • 500.164 M39*5-1 • The OLD 6th edition is also available in the library: - 500.164 M39*5

OS Coursework Programming Assignment(s) Based on UNIX To gain experience of using OS system calls and OS facilities Test(s) To ensure that all students keep up with the course



Introduction, Topic 1, Course Introdeution	Types of OS & Design Goals Desktops Systems (PCs)	Course Intro OS Intro OS Structures
	■ Multiprocessor Systems ■ Distributed Systems. Either	
	Real-time Systems	
6	Embedded Systems–Handheld Systems–	

OS Components

Process Management

Memory Management

File Management

Device Management

I/O devices

Secondary & tertiary storage

Networking

Protection & Security

User Interface

System Calls Provide API to the OS functionality Five categories Process Management: File Management: Device Management: Information Maintenance: Course Intro OS Intro OS Structures

trodcution	OS Layers	Course Intro OS Intro OS Structures	
Introduction, Topic 1, Course Introdcution	Operating system software is divided into a number of layers.		
Introduction, To	Advantages:		
	■ Disadvantages:		
10			

