



weekly lesson schedule

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Operating system					Subject Name
					course decision
To describe the basic organization of computer systems To provide a grand tour of the major components of operating systems To give an overview of the many types of computing environments To explore several open-source operating systems					The general objective of the course
What Operating Systems Do Computer-System Organization Computer-System Architecture Operating-System Structure Operating-System Operations Process Management Memory Management Storage Management Protection and Security Kernel Data Structures Computing Environments					Special goals
<u>Operating System Concepts 8th Edition</u>					textbooks
<u>Operating System Principles Paperback – January 1, 2004</u>					External book
final exam	project	daily exams	lab	Semester daily exams	class grades
60	-	3	5	12	
					additional information



weekly lesson schedule

objectives	scientific subject,	Theoretical subject,	date	week
	cd : Change directory or display current directory path+ cls : Clear the window.	Operating System definition + Computer System Structure +Computer Startup	2-10-2022	1
	dir : Display list of contents of current directory.	Common Functions of Interrupts +Interrupt Handling + I/O Structure +Storage Structure	9-10-2022	2
	type : Displays the contents of a text file. assoc : Displays or modifies filename extension associations. attrib : Displays or changes file attributes.	Storage-Device Hierarchy + Direct Memory Access Structure	16-10-2022	3
	call : Calls one batch program file from another. chkdsk : Checks a disk and displays a status report. chkntfs : Displays or modifies the checking of disk at startup.	Operating System Services + User Operating System Interface	23-10-2022	4
	color : Sets the text and background colors. comp : Compares the contents of two files or sets of files. copy : Copies one or more files to another location. See also: xcopy	System Calls + Types of System Calls	30-11-2022	5
	date : Displays or sets the computer's date. See also: time del (or erase) :	Operating System Structure + Operating system early (simple-	7-11-2022	6

	Deletes one or more files.	monolithic) structure + Operating system Layered Approach structure		
	md (or mkdir) : Creates a directory.	Operating system Microkernel structure + Operating system Modules structure + operating system Virtual Machines structure	14-11-2022	7
	rd (or rmdir) : Removes a directory.	Process Concept + Process in Memory + Process State	21-11-2022	8
	time : Displays or sets the computer's time. See also: date	Process Control Block (PCB) + CPU Switch From Process to Process + Context Switch	28-12-2022	9
	tree : Graphically displays the directory structure of a drive or directory.	Process Scheduling + Representation of Process Scheduling + Process Creation	4-12-2022	10
	xcopy : Copies files and directory trees. See also: copy	Process Termination + Cooperating Processes	11-12-2022	11
	config : Defragment one or more files (rather than entire drive).	Producer-Consumer Problem +	18-12-2022	12
	du : Displays disk usage for selected files or directories.	Threads	25-12-2022	13
	strings : Find all strings of a specified minimum length.	single thread	2-1-2023	14
	whois : Lookup domain ownership information.	Multi-threaded applications	28-2-2023	15

	help : Display list of commands or help about a command.	Multithreading Models	7-3-2023	16
	LS	•1-First- Come, First-Served (FCFS) Scheduling	14-3-2023	17
	cd	•2-Shortest-Job-First (SJF) Scheduling	21-3-2023	18
	mkdir	•Non-Preemptive	28-3-2023	19

		SJF + Preemptive SJF		
	cat	•Round Robin (RR)	3-4-2023	20
	cp	Deadlocks + Deadlock Characterization + Methods for Handling Deadlocks	10-4-2023	21
	mv	Deadlock Prevention + Deadlock Avoidance	17-4-2023	22
	rm *	Deadlock Detection + Recovery from Deadlock	24-4-2023	23
	Info	Swapping + Contiguous Memory Allocation	1-5-2023	24
	whatis	Segmentation + Paging	8-5-2023	25
	less	nStructure of the Page Table	17-5-2023	26
	less -N	Base and Limit Registers + Hardware Address Protection	24-5-2023	27
	rm -i *	nOverview of Mass Storage Structure + Disk Structure + Disk Attachment	31-5-2023	28
	rm -rf	Disk Scheduling + Disk Management	7-6-2023	29
	cat -n	Swap-Space Management + RAID Structure + Stable-Storage Implementation	13-6-2023	30

Professor's signature:

Head Department signature:

