

FA24 :: Schedule (subject to change as necessary)

Week	Lecture	Topic	Lecture Content	Reading	Notes	Assessments
1	8/26	Course Introduction	Syllabus/Expectations/What is an OS			
	8/28	Introduction	Introduction to OS	Chapter 1,2		
2	9/2	Labor Day	No Class			8/30 HW0 - C Utility assignment released
2	9/4	Introduction	Linux Review			
3	9/9	Introduction	Process Basics (The Process Abstraction)	Chapter 3		
3	9/11	File Systems	Process API	Chapter 4		9/15 HW0 due
4	9/16	File Systems	Files and Directories	Chapter 39	You should read Chapters 35, 36, 37, and 39 in order after this lecture. Don't stress over details, just introduce yourself to the topics and ideas.	

4	9/18	File Systems	Hard Disk Drives	Chapter 37		9/20 LAB 1 Assigned
5	9/23	File Systems	HW0 Project Quiz File System Implementation	Chapter 40		9/23 HW0 Project Quiz
5	9/25	Process Virtualization	File System Implementation	Chapter 40		9/27 LAB 1 Due
6	9/30	Process Virtualization	Limited Direct Execution Introduction to Scheduling	Chapter 6,7		
6	10/2	Process Virtualization	Introduction to Scheduling MLFQ	Chapter 7,8		
7	10/7	Process Virtualization			Intro Process management basics File Systems CPU Scheduling	Module Quiz 1
7	10/9	Memory Virtualization	Address Space Abstraction	Chapter 12,13		
8	10/14	Memory Virtualization	Address Translation/Segmentation	Chapter 15,16		
8	10/16	Memory Virtualization	Free-Space Management	Chapter 17		
9	10/21	Memory Virtualization	Introduction to Paging	Chapter 18		

9	10/23	Memory Virtualization	TLB/Swapping	Chapter 19,20,21,22 (We will cover some, read all!)		
10	10/28	Memory Virtualization			Memory Virtualization	
10	10/30	Concurrency	Concurrency and Threads	Chapter 26		
11	11/4	Concurrency	Thread API	Chapter 27		Module Quiz 2
11	11/6	Concurrency	More on Threads/Programming with Threads			
12	11/11	Veteran's Day	No Class			
12	11/13	Concurrency	Locks	Chapter 28		
13	11/18	Concurrency	Condition Variables	Chapter 30		
13	11/20	Concurrency	Semaphores	Chapter 31		
14	11/25	Concurrency	Locked Data Structures/Concurrency Bugs	Chapter 29, 32		
14	11/27	Concurrency	TBD			
15	12/2	Concurrency	Security/IO/Persistence		Concurrency	Module Quiz 3
15	12/4		TBD			
Finals Week						Final Date TBD (Whatever the university says is the final date is the final date)