Class Schedule

Week	Session	Reading	Topics	Material
0	1 Thu, Sep 02 2021	• Chapter 1 • Lessons Learned From 30 Years of Minix	• Introduction to OS	Slides No activity today
	2 Fri, Sep 03 2021		• Void Pointers • Malloc and Free • Function Pointers	Slides Activity Activity Submission
	Linux Install DUE Fri, Sep 03 2021 23:55 Submission box grader: @nixonm			
1	3 Mon, Sep 06 2021		• **Lab** Userspace Threading	Lab Instructions Getting and submitting code
	Pointer Practice DUE Mon, Sep 06 2021 23:59 Submission box grader: @nixonm			
	4 Tue, Sep 07 2021	• Chapter 2	• Basics of Processes	Slides Activity
	5 Thu, Sep 09 2021	• Signal – Linux manual page	• Signals	Slides Activity Activity Submission
	Userspace Threads DUE Thu, Sep 09 2021 23:59 Submission box grader: @nixonm			
	6 Fri, Sep 10 2021	• exec man page • fork man page • wait man page	• Processes Operation • Forking Child Processes	Slides Activity Activity Submission
2	7 Mon, Sep 13 2021	• GNU make manual	• Makefiles	Slides Activity Activity Submission Advanced Makefiles Makefiles cheatsheet
	ADVANCED Userspace Threads With Preemption DUE Mon, Sep 13 2021 23:59 Submission box grader: @nixonm			
	8 Tue, Sep 14 2021	• Chapter 6 of The Linux Documentation Project (tldp)	• Inter Process Communication	Activity Activity Submission

Week	Session	Reading	Topics	Material
	9 Thu, Sep 16 2021		• **Lab** Project Kickoff	Lab Instructions No activity today
	Simple Shell/Makefiles DUE Thu, Sep 16 2021 23:59 Submission box grader: @nixonm			
	10 Fri, Sep 17 2021	• Chapter 40	• Filesystems I	Activity Activity Submission
3	11 Mon, Sep 20 2021	• Chapter 40	• Filesystems II	No activity today
	Process Lab/Debugging DUE Mon, Sep 20 2021 23:59 Submission box grader: @nixonm			
	12 Tue, Sep 21 2021		• **Lab** Ext2 Filesystem	No activity today
	13 Thu, Sep 23 2021	• Chapter 7	• CPU Scheduling I	Scheduling Quiz
	Project Lab 0 DUE Thu, Sep 23 2021 23:59 Submission box grader: @nixonm			
	14 Fri, Sep 24 2021	• Chapter 8	• CPU Scheduling II	Slides Scheduling II Quiz
4	15 Mon, Sep 27 2021		• Exam 1 review (In-class)	Exam1Prep No activity! Do a practice exam
	16 Tue, Sep 28 2021		• Fork/Signals/Makefiles/pipes skills tests • 3 Hour exam TBA	
	17 Thu, Sep 30 2021		• No class / Mohammad was sick :/	
	ADVANCED Ext2 Filesystem DUE Thu, Sep 30 2021 23:59 Submission box			
	18 Fri, Oct 01 2021		• Scheduling wrap up and exam discussion	
5	19 Mon, Oct 04 2021	• Chapter 26	• More Threads • Thread Libraries • Threading Issues	
	20 Tue, Oct 05 2021	• Chapter 31	• Semaphores	
	21 Thu, Oct 07 2021		• **Lab** Project work time	

Week	Session	Reading	Topics	Material
		CPU Scheduling DUE Thu, Oct 07 2021 23:59 [Take the quiz on Moodle](#)		
	22 Fri, Oct 08 2021	• [Chapter 30](#)	• More Sempahores	[Slides](#) [Activity](#)
6	23 Mon, Oct 11 2021	• [Chapter 30](#)	• Mutex	[Slides](#) [Activity](#)
	24 Tue, Oct 12 2021	• [Chapter 30](#)	• Condition variables • More concurrency	[Slides](#) [Activity](#)
		[Threads and Semaphore Basics](#) DUE Thu, Oct 14 2021 23:59 [Submission box](#) grader: @nixonm		
7	25 Mon, Oct 18 2021		• **Lab** Project work time	
		[Project Milestone II](#) DUE Mon, Oct 18 2021 23:59 [Submission box](#)		
	26 Tue, Oct 19 2021		• Producer/Consumer using condition variables	
	27 Thu, Oct 21 2021		• Readers/Writers problem	
		[Condition Variables Homework I](#) DUE Thu, Oct 21 2021 23:59 [Submission box](#) grader: @nixonm		
	28 Fri, Oct 22 2021	• [Chapter 32](#)	• Deadlocks and Starvation	
8	29 Mon, Oct 25 2021	• [Chapter 16](#)	• Deadlocks wrap up	
	30 Tue, Oct 26 2021		• Segmentation and Paging	
	31 Thu, Oct 28 2021		• Paging issues	
		[Condition Variables Homework 2](#) DUE Thu, Oct 28 2021 23:59 [Submission box](#) grader: @nixonm		
	32 Fri, Oct 29 2021		• Page replacement algorithms	
9	33 Mon, Nov 01 2021		• Exam 2 review	
	34 Tue, Nov 02 2021		• No class. Exam 2 6:00 – 9:00 pm.	

Week	Session	Reading	Topics	Material
	35 Thu, Nov 04 2021		• Intro to OS security	
	Virtual Memory Lab 1 DUE Thu, Nov 04 2021 23:59 Submission box			
	36 Fri, Nov 05 2021		• Control flow integrity attacks	
	37 Mon, Nov 08 2021	N/A		
	ADVANCED Virtual Memory Lab 2 DUE Mon, Nov 08 2021 23:59 Submission box grader: @nixonm			
10	38 Tue, Nov 09 2021	N/A		
	39 Thu, Nov 11 2021	N/A		
	Security Lab DUE Thu, Nov 11 2021 23:59 Submission box grader: @nixonm			
	40 Fri, Nov 12 2021	N/A		
11	Milestone 3 DUE Thu, Nov 18 2021 23:59 Submission box grader: @nixonm			

Mohammad A. Noureddine • 2021

Powered by Beautiful Jekyll