CSSE 332 - OPERATING SYSTEM   **HOME**   **SCHEDULE**   **SYLLABUS**

Schedule

Session	Reading	Topics	Materials
1 Mon 30 Nov 2020		• Void Pointers • Malloc and Free • Function Pointers	C_Pointers Video Lecture In-Class Coding Activity Submission
Linux Install DUE Mon 30 Nov 2020 11:55 pm Submit Here			
2 Tue 01 Dec 2020		• **Lab** Userspace Threading	Lab Instructions Getting and submitting code Video Tutorial
Pointer Practice DUE Tue 01 Dec 2020 11:55 pm Submit Here grader: wangj14@			
3 Thu 03 Dec 2020	• Bookmark this page • Syllabus • Chapter 1	• Course Overview • Introduction to OS	IntroToOS Video Lecture
Userspace Threads DUE Thu 03 Dec 2020 11:55 pm Submit Here grader: wangj14@			
4 Fri 04 Dec 2020		• Process Basics	ProcessBasics Video Lecture Quiz
5 Mon 07 Dec 2020		• Signals	Signals Video Lecture Activity Submission
ADVANCED Userspace Threads With Preemption DUE Mon 07 Dec 2020 11:55 pm Submit Here grader: niey@			
6 Tue 08 Dec 2020	• Chapter 3	• Processes Operation • Forking Child Processes	Fork Video Lecture Activity Submission

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Session	Reading	Topics	Materials
7 Thu 10 Dec 2020		• Makefiles	Makefiles Video Lecture Slides Activity Submission
Simple Shell/Makefiles DUE Thu 10 Dec 2020 11:55 pm Submit Here grader: niey@		
8 Fri 11 Dec 2020		• Project Kickoff	ProjectKickoff No activity today But do find a partner (if you wish) and figure out how you will collaborate! Video Lecture
9 Mon 14 Dec 2020	• Sects. 10.1-10.3 • Sect. 10.6	• Filesystem I	Filesystem_1 Video Lecture Activity Submission
BareMetalOs InputOutput DUE Mon 14 Dec 2020 11:55 pm Submit Here grader: meinzecp@		
10 Tue 15 Dec 2020	• Section 11.1 - 11.5	• Filesystem II	Filesystem_2 Video Lecture Activity Submission
11 Thu 17 Dec 2020	• Chapter 3	• Inter Process Communication	IPC Video Lecture Activity Submission
Process Lab/Debugging DUE Thu 17 Dec 2020 11:55 pm Submit Here grader: meinzecp@		
12 Fri 18 Dec 2020		• **Lab** Ext2 Filesystem	Videos Lab Instructions
13 Mon 21 Dec 2020	• Chapter 6	• CPU Scheduling 1	CPU_Scheduling1 Video Lecture Activity
ADVANCED Ext2 Filesystem DUE Mon 21 Dec 2020 11:55 pm Submit Here grader: wangj14@		
14 Tue 22 Dec 2020	• Chapter 6	• CPU Scheduling 2	CPU_Scheduling2 Vide... Ac...

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Session	Reading	Topics	Materials
Course Survey DUE Thu 31 Dec 2020 11:55 pm Submit Here			
CPU Scheduling DUE Wed 06 Jan 2021 11:55 pm Submit Here			
15 Thu 07 Jan 2021		• Skills Test Review	Exam1Prep Videos No activity! Do a practice exam SRT has a review session from 7-8 PM
16 Fri 08 Jan 2021		• Fork/Signals/Makefiles skills tests • 3 Hour exam sometime today	
17 Mon 11 Jan 2021	• Chapter 4	• More Threads • Thread Libraries • Threading Issues	MoreThreads Video Lecture Activity Submission
BareMetalOS Filesystem DUE Mon 11 Jan 2021 11:55 pm Submit Here grader: niey@			
18 Tue 12 Jan 2021		• **Lab** Threads and Semaphore Basics	Lab Instructions No video or activity today
19 Thu 14 Jan 2021	• Chapter 5	• Process Synchronization	ProcessSync Video Lecture Activity Submission
Threads and Semaphore Basics DUE Thu 14 Jan 2021 11:55 pm Submit Here grader: niey@			
20 Fri 15 Jan 2021	• Chapter 4	• User-space Threads and Kernel Threads	KernelThreads Videos No activity today just start Hybrid Threads
21 Mon 18 Jan 2021	• Chapter 5	• Process Synchronization • Semaphores	ProcessSyncSemaphore Video Lecture Activity Submission
ADVANCED Hybrid Threads DUE Mon 18 Jan 2021 11:55 pm Submit Here			

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Session	Reading	Topics	Materials
22 Tue 19 Jan 2021	• Chapter 5	• Semaphore Practice	Semaphore_II Video Lecture Activity Submission Little Book of Semaphores
23 Thu 21 Jan 2021		• Lab time Semaphores 1/2 • Videos • No activity today, just start on Semaphore Homework	
Semaphores Homework 1 DUE Thu 21 Jan 2021 11:55 pm Submit Here grader: meinzecp@			
24 Fri 22 Jan 2021		• Scoreboard	Scoreboard Videos Activity Submission
25 Mon 25 Jan 2021	• Chapter 7	• Deadlock and Starvation	DeadlockStarvation Videos Activity Submission
ADVANCED Semaphores Homework 2 DUE Mon 25 Jan 2021 11:55 pm Submit Here grader: wangj14@			
26 Tue 26 Jan 2021	• Chapter 7	• Deadlock Avoidance	DeadlockAvoidance Videos No activity for today
27 Thu 28 Jan 2021		• Skills Test Review	Exam2Prep Video No activity, do a practice exam! SRT has a review session at 7 PM.
28 Fri 29 Jan 2021		• Exam 2 (Threading Skills Test) • Any 3 hours today	
29 Mon 01 Feb 2021		• Segmentation	Segmentation Video Lecture Ac...

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Session	Reading	Topics	Materials
BareMetalOS Scheduling DUE Mon 01 Feb 2021 11:55 pm Submit Here grader: niey@			
30 Tue 02 Feb 2021		• Paging	Paging Video Lecture Activity Submission
31 Thu 04 Feb 2021		• Page Replacement Algorithms	PageReplacement Videos Activity Submission
32 Fri 05 Feb 2021		• Lab/Project Work Time	No video today just start VM Lab 1 Lab Instructions
33 Mon 08 Feb 2021		• More Virtual Memory	TLB Videos No activity today
Virtual Memory Lab 1 DUE Mon 08 Feb 2021 11:55 pm Submit Here grader: meinzecp@			
34 Tue 09 Feb 2021		• Advanced Paging	AdvancedPageTable Video Lecture Activity Submission
35 Thu 11 Feb 2021		• Reference Counting	ReferenceCounting Reference Counting Slides Videos Activity Submission
ADVANCED Virtual Memory Lab 2 DUE Thu 11 Feb 2021 11:55 pm Submit Here grader: niey@			
36 Fri 12 Feb 2021		• Intro to Garbage Collection Lab	Lab Instructions
37 Mon 15 Feb 2021		• More Garbage Collection	GarbageCollection2 Garbage Collection 2 Slides Videos No activity for today
38 Tue 16 Feb 2021		• Garbage Collection Lab Work Time	

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Session	Reading	Topics	Materials
39 Thu 18 Feb 2021		• Garbage Collection Lab Work Time	
ADVANCED Garbage Collection DUE Thu 18 Feb 2021 11:55 pm Submit Here grader: wangj14@			
40 Fri 19 Feb 2021		• No Class	

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