

Schedule

Session	Reading	Topics	Materials
1 Mon 09 Mar 2020		<ul style="list-style-type: none"> Void Pointers Malloc and Free Function Pointers 	C_Pointers In-Class Coding
Linux Install DUE Mon 09 Mar 2020 11:55 pm			
2 Tue 10 Mar 2020		<ul style="list-style-type: none"> Lab Userspace Threading 	Lab Instructions Getting and submitting code
Pointer Practice DUE Tue 10 Mar 2020 11:55 pm grader: johnsod4@			
3 Thu 12 Mar 2020	<ul style="list-style-type: none"> Bookmark this page Syllabus Chapter 1 	<ul style="list-style-type: none"> Introduction to class Process basics 	IntroToOS
Userspace Threads DUE Thu 12 Mar 2020 11:55 pm grader: royn@			
4 Fri 13 Mar 2020		<ul style="list-style-type: none"> CLASS CANCELLED 	
5 Mon 23 Mar 2020		<ul style="list-style-type: none"> Signals 	Signals Videos Activity Submission
ADVANCED Userspace Threads With Preemption DUE Mon 23 Mar 2020 11:55 pm grader: blonskac@			
6 Tue 24 Mar 2020	<ul style="list-style-type: none"> Chapter 3 	<ul style="list-style-type: none"> Processes Operation Forking Child Processes This was a lab day for simple shell but we lost last Friday 	Fork Videos Activity Submission

Session	Reading	Topics	Materials
7 Thu 26 Mar 2020		<ul style="list-style-type: none"> Makefiles 	Makefiles Video Slides Activity Submission
Simple Shell/Makefiles DUE Thu 26 Mar 2020 11:55 pm grader: royn@			
8 Fri 27 Mar 2020		<ul style="list-style-type: none"> Project Kickoff 	ProjectKickoff No activity today But do find a partner (if you wish) and figure out how you will collaborate! Videos
9 Mon 30 Mar 2020	<ul style="list-style-type: none"> Sects. 10.1-10.3 Sect. 10.6 	<ul style="list-style-type: none"> Filesystem I 	Filesystem_1 Videos Activity Submission
BareMetalOs InputOutput DUE Mon 30 Mar 2020 11:55 pm grader: blonskac@			
10 Tue 31 Mar 2020	<ul style="list-style-type: none"> Section 11.1 - 11.5 	<ul style="list-style-type: none"> Filesystem II 	Filesystem_2 Videos Activity Submission
11 Thu 02 Apr 2020	<ul style="list-style-type: none"> Chapter 3 	<ul style="list-style-type: none"> Inter Process Communication 	IPC Videos Activity Submission
Process Lab/Debugging DUE Thu 02 Apr 2020 11:55 pm grader: johnsod4@			
12 Fri 03 Apr 2020		<ul style="list-style-type: none"> Lab Ext2 Filesystem 	Videos No activity for today!
13 Mon 06 Apr 2020	<ul style="list-style-type: none"> Chapter 6 	<ul style="list-style-type: none"> CPU Scheduling 1 	CPU_Scheduling1 Videos Activity
ADVANCED Ext2 Filesystem DUE Mon 06 Apr 2020 11:55 pm grader: blonskac@			
14 Tue 07 Apr 2020	<ul style="list-style-type: none"> Chapter 6 	<ul style="list-style-type: none"> CPU Scheduling 2 	CPU_Scheduling2 Videos Activity

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CPU Scheduling DUE Wed 08 Apr 2020 11:55 pm			
15 Thu 09 Apr 2020		<ul style="list-style-type: none"> Skills Test Review 	Exam1Prep Videos No activity! Do a practice exam
16 Fri 10 Apr 2020		<ul style="list-style-type: none"> Fork/Signals/Makefiles skills tests 3 Hour exam sometime today 	
17 Mon 13 Apr 2020	<ul style="list-style-type: none"> Chapter 4 	<ul style="list-style-type: none"> More Threads Thread Libraries Threading Issues 	MoreThreads Videos Activity Submission
BareMetalOS Filesystem DUE Mon 13 Apr 2020 11:55 pm grader: blonskac@			
18 Tue 14 Apr 2020		<ul style="list-style-type: none"> Lab Threads and Semaphore Basics 	Lab Instructions No video or activity today
19 Thu 16 Apr 2020	<ul style="list-style-type: none"> Chapter 5 	<ul style="list-style-type: none"> Process Synchronization 	ProcessSync Videos Activity Submission
Threads and Semaphore Basics DUE Thu 16 Apr 2020 11:55 pm grader: royn@			
20 Fri 17 Apr 2020	<ul style="list-style-type: none"> Chapter 4 	<ul style="list-style-type: none"> User-space Threads and Kernel Threads 	KernelThreads Videos No activity today just start Hybrid Threads
21 Mon 20 Apr 2020	<ul style="list-style-type: none"> Chapter 5 	<ul style="list-style-type: none"> Process Synchronization Semaphores 	ProcessSyncSemaphore Activity Submission
ADVANCED Hybrid Threads DUE Mon 20 Apr 2020 11:55 pm			
22 Tue 21 Apr 2020	<ul style="list-style-type: none"> Chapter 5 	<ul style="list-style-type: none"> Semaphore Practice 	Semaphore_II Activity Submission Little Book of Semaphores

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23 Thu 23 Apr 2020		<ul style="list-style-type: none"> Lab time Semaphores 1/2 	
Semaphores Homework 1 DUE Thu 23 Apr 2020 11:55 pm			
24 Fri 24 Apr 2020		<ul style="list-style-type: none"> Detecting concurrency bugs 	
25 Mon 27 Apr 2020	<ul style="list-style-type: none"> Chapter 7 	<ul style="list-style-type: none"> Deadlock and Starvation 	DeadlockStarvation
ADVANCED Semaphores Homework 2 DUE Mon 27 Apr 2020 11:55 pm			
26 Tue 28 Apr 2020		<ul style="list-style-type: none"> Skills Test Review 	Exam2Prep
27 Thu 30 Apr 2020		<ul style="list-style-type: none"> Threading Skills Test EVENING EXAM 5:30-8:30 	
28 Fri 01 May 2020	<ul style="list-style-type: none"> Chapter 7 	<ul style="list-style-type: none"> Deadlock Avoidance 	DeadlockAvoidance
29 Mon 04 May 2020		<ul style="list-style-type: none"> Segmentation 	Segmentation
BareMetalOS Scheduling DUE Mon 04 May 2020 11:55 pm			
30 Tue 05 May 2020		<ul style="list-style-type: none"> Paging 	Paging
31 Thu 07 May 2020		<ul style="list-style-type: none"> Page Replacement Algorithms 	PageReplacement

Session	Reading	Topics	Materials
32 Fri 08 May 2020		<ul style="list-style-type: none"> Lab/Project Work Time 	Lab Instructions
33 Mon 11 May 2020		<ul style="list-style-type: none"> More Virtual Memory 	TLB
Virtual Memory Lab 1 DUE Mon 11 May 2020 11:55 pm			
34 Tue 12 May 2020		<ul style="list-style-type: none"> Advanced Paging 	AdvancedPageTable
35 Thu 14 May 2020		<ul style="list-style-type: none"> Reference Counting 	ReferenceCounting Reference Counting Slides
ADVANCED Virtual Memory Lab 2 DUE Thu 14 May 2020 11:55 pm			
36 Fri 15 May 2020		<ul style="list-style-type: none"> Intro to Garbage Collection Lab 	Lab Instructions
37 Mon 18 May 2020		<ul style="list-style-type: none"> More Garbage Collection 	GarbageCollection2 Garbage Collection 2 Slides
38 Tue 19 May 2020		<ul style="list-style-type: none"> Banker's algorithm (rescheduled from earlier) 	
39 Thu 21 May 2020		<ul style="list-style-type: none"> GC Work Time 	
ADVANCED Garbage Collection DUE Thu 21 May 2020 11:55 pm			
40 Fri 22 May 2020		<ul style="list-style-type: none"> GC Work Time 	



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