

Course map

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(Also note the official dates from the [Registrar's office](#) including add/drop dates and official holidays)
(All information subject to change)

Week	Lectures (~3 hours per week)	Assessments
1 - January 8 - 14	<ul style="list-style-type: none">• Course Intro / Overview• Chapter 1 - Intro to Operating Systems• Chapter 2 - Operating System Structures	
2 - January 15 - 21	<ul style="list-style-type: none">• Chapter 3 - Processes – A (Basics)• Chapter 3 - Processes – B (Scheduling)	<ul style="list-style-type: none">• Assignment 1: Posted Wednesday<ul style="list-style-type: none">◦ Parent and Child processes
3 - January 22 - 28	<ul style="list-style-type: none">• Chapter 3 - Processes – C (Operations)• Chapter 3 - Processes – D (Interprocess communication - IPC)	
4 - January 29 - February 4	<ul style="list-style-type: none">• Chapter 4 - Threads (including Signals)• Chapter 5 - CPU Scheduling – I (Multiprogramming)	<ul style="list-style-type: none">• Assignment 1: Due Tuesday• Assignment 2: Posted Wednesday<ul style="list-style-type: none">◦ Inter-processes communication
5 - February 5 - 11	<ul style="list-style-type: none">• Chapter 5 - CPU Scheduling – II (Algorithms)	
6 - February 12 - 18	<ul style="list-style-type: none">• Chapter 5 - CPU Scheduling – III (Multiprocessor scheduling)	<ul style="list-style-type: none">• Assignment 2: Due Tuesday• Assignment 3: Posted Wednesday<ul style="list-style-type: none">◦ Process vs Threads
7 - February 19 - 25 (Reading week)		
8 - February 26 - March 4	<ul style="list-style-type: none">• Chapter 6 & 7 - Process Synchronization I (Critical section problem)• <u>Midterm Exam</u>	
9 - March 5 - 11	<ul style="list-style-type: none">• Chapter 8 - Process Synchronization II (Deadlocks)	<ul style="list-style-type: none">• Assignment 3: Due Tuesday• Assignment 4: Posted Wednesday<ul style="list-style-type: none">◦ CPU Scheduling Algorithms
10 - March 12 - 18	<ul style="list-style-type: none">• Chapter 9 - Memory Management I (Basics)• Chapter 9 - Memory Management II (Paging)	
11 - March 19 - 25	<ul style="list-style-type: none">• Chapter 9 - Memory Management III (Swapping)• Chapter 10 - Memory Management IV (Virtual memory)	<ul style="list-style-type: none">• Assignment 4: Due Tuesday• Assignment 5: Posted Wednesday<ul style="list-style-type: none">◦ mutual exclusion / semaphore
12 - March 26 - April 1	<ul style="list-style-type: none">• Chapter 11 - Storage Systems I (Mass storage)• Chapter 11 - Storage Systems II (I/O)	
13 - April 2 - 8	<ul style="list-style-type: none">• Chapter 13, & 14 - File Systems I (Interface and Implementation)• Chapter 15 - File Systems II (Internals)	<ul style="list-style-type: none">• Assignment 5: Due Tuesday
14 - April 9 - 15	<ul style="list-style-type: none">• Course Review Discussion	
Exam period	<ul style="list-style-type: none">• Potential topics<ul style="list-style-type: none">◦ Chapter 16 & 17 - Security (CS4458)◦ Chapter 18 - Virtualization◦ Chapter 19 - Networking (CS3357/CS4457/CS4459)	

