

Course Code:	CSE321	
Course Title:	Operating Systems	
Semester:	Fall 2025	

Reference Books:

[1. Operating System Concepts \[10th ed.\]](#)

[2. Modern Operating Systems \[4th ed.\]](#)

[3. Operating Systems - Three Easy Pieces \[1.10 ed.\]](#)

Week	Date	Topic	Book Sections (Operating System Concepts)
1, 2, 3	7 Oct - 20 Oct	Intro	
		Process	3.1.1, 3.1.2, 3.1.3, 3.1.4, 3.2, 3.3, 3.4
3, 4	21 Oct - 27 Oct	Thread	4.1, 4.2, 4.3, 4.4.1, 4.5.1, 4.6.1, 4.6.2, 4.6.3

Book Sections (OSTEP)	Links to The Contents of Reference Book Sections	Practice Sheets			
	1. 3.1.1, 3.1.2, 3.1.3, 3.1.4 2. 3.2 3. 3.3 4. 3.4	Practice Sheet Fork			
	1. 4.1 2. 4.2 3. 4.3 4. 4.4.1 5. 4.5.1 6. 4.6.1, 4.6.2, 4.6.3	Practice Sheet Threads			

4, 5	28 Oct - 3 Nov	CPU Scheduling	5.1.1, 5.1.2, 5.1.3, 5.2, 5.3
5, 6	4 Nov - 13 Nov	Synchronization	6.1, 6.2, 6.4.2, 6.5, 6.6, 6.8.1, 7.1
7, 8	15 Nov - 23 Nov	Mid Week	
8, 9	25 Nov - 4 Dec	File Systems	11.1.1, 13.1.1, 13.1.2, 14.4.3

	1. 5.1.1, 5.1.2, 5.1.3 2. 5.2 3. 5.3	Practice Sheet_CPU Scheduling			
	1. 6.1 2. 6.2 3. 6.4.2 4. 6.5 5. 6.6 6. 6.8.1 7. 7.1	Practice Sheet_Process Synchronization			
Chapter 40: (File System Implementation) Chapter 42 (Crash Consistency: FSCK and Journaling)	1. 11.1.1 2. 13.1.1, 13.1.2 3. 14.4.3 4. Chapter 40 (OSTEP) 5. Chapter 42 (OSTEP)	Practice Sheet_File Systems			

10, 11	6 Dec - 18 Dec	Memory Management	9.1.1, 9.1.3, 9.3, 9.4.1 10.1, 10.2.1, 10.2.2, 10.4.2, 10.4.3, 10.4.4
12	20 Dec - 24 Dec	Protection	17.1, 17.2, 17.4, 17.5, 17.7, 17.9, 17.10, 17.11
12, 13	23 Dec - 31 Dec	Security	16.1, 16.2, 16.6.1, 16.6.2, 16.6.3, 16.6.4, 16.6.6
15, 16	10 Jan - 17 Jan	Final Week	

	<u>1. 9.1.1</u> <u>2. 9.1.3</u> <u>3. 9.3</u> <u>4. 9.4.1</u> <u>5. 10.1</u> <u>6. 10.2.1, 10.2.2</u> <u>7. 10.4.2, 10.4.3, 10.4.4</u>				
	<u>1. 17.1</u> <u>2. 17.2</u> <u>3. 17.4</u> <u>4. 17.5</u> <u>5. 17.7</u> <u>6. 17.9</u> <u>7. 17.10</u> <u>8. 17.11</u>	<u>Practice Sheet_Memory Management</u>			
	<u>1. 16.1</u> <u>2. 16.2</u> <u>3. 16.6.1, 16.6.2, 16.6.3, 16.6.4, 16.6.6</u>				

