

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)
		Intro	
1, 2, 3	7 Oct - 20 Oct	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			
	<u>1. 3.1.1, 3.1.2, 3.1.3, 3.1.4</u> <u>2. 3.2</u> <u>3. 3.3</u> <u>4. 3.4</u>	<u>Practice Sheet_Fork</u>			
	<u>1. 4.1</u> <u>2. 4.2</u> <u>3. 4.3</u> <u>4. 4.4.1</u> <u>5. 4.5.1</u> <u>6. 4.6.1, 4.6.2, 4.6.3</u>	<u>Practice Sheet_Threads</u>			

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	

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

