

Course Textbook:

Silberschatz, A., Galvin, P. & Gagne, G. (2018). Operating System Concepts (10th ed.). John Wiley & Sons.

Course Schedule

Course Name: Operating Systems Internals Term: Winter 2019 Course Code: ITSC 205

Instructor(s):

Week	Date	Topic (i.e. Theory / Lab)	Learning Materials	Evaluations Due Date
1	Jan 7 – Jan 11	Operating Systems Basics	1. Text Book chapters 1 and 21 2. "Windows Internals 7 th " Chapter 13 and WMIC	
2	Jan 14– Jan 18	OS Structure Systems Calls	1. Text Book chapters 2 and 20	Lab #1
3	Jan 21– Jan 25	Process Management	1.Text Book chapters 3 and 20	Lab #2 Assignment 1
4	Jan 28– Feb 1	Threads Management	1.Text Book chapters 4 and 20 2.Handouts provided in Class	Lab #3
5	Feb 4- Feb 8	Process Scheduling	1.Text Book chapters 5, 20 and 21 2. Windows Internals 7 th Process Management	Lab #3 Quiz#1
6	Feb 11 – Feb 15	Process Synchronization and Deadlock	1.Text Book chapters 6, 7 and 8 20 and 21	Lab #4
	Feb 18 – Feb 22	Family Day	READING WEEK	

7	Feb 25 – Mar 1	Memory Management	1. Text Book Chapters 9, 20 and 21	Lab #5 Assignment 2
8	Mar 4 – Mar 8	MID TERM		Lab #6
9	Mar 11 – Mar 15	Virtual Memory	1.Text Book Chapter 10 2."Windows Internals 7 th " Memory management	Lab #6
10	Mar 18 – Mar 22	Mass-Storage and File Systems	1.Text Book Chapter 11 ,13 and chapter 20 2."Windows Internals 7 th " Storage management	Lab #7 Quiz#2
11	Mar 25 – Mar 29	File System Interface	1. Text Book Chapter 13 and chapter 20	Lab #8 Assignment 3
		File System Implementation	1.Text Book chapters 13, 15 and 21	Lab #8
12	Apr 1 – Apr 5		2. "Windows Internals 7 th ," File Systems	
13	Apr 8 – Apr 12	I/O SYSTEMS	1.Text Book chapters 12, and 20	Lab #9 Quiz#3
14	April 15– April 18 Good Friday	FINAL REVIEW		Lab #10 Assignment 4
15	April 23– April 26 Easter Monday	FINAL THEORY EXAM		20% topics before midterm 80% topics after midterm