

(SYLLABUS)

1.

(Course Title)		(Instructor)			
(Year)	2025	(Semester)	1	(Course No.)	2150084501
(Class)	01	(Open to)	3, 4	(Course Classification)	-IT / -
/	3.0 / 03 / 3		100	가	가
(Office)		(Telephone)		(e-mail)	chlee@ssu.ac.kr
	(PBL), (TBL)		+		2023
	(*) (ABEEK Classification)			(*) (ABEEK Requirement)	
	- , : - :				
(Course Description)	가 Linux , Linux .				

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가	( 100 )	( 100%)
	50	50
	25	25
	15	15
	10	10

(Required Texts)		* /Operating System Concepts/Silberschatz, Avraham , PETER/John Wiley & Sons In/10/
	( )	* / / /2023
	C C 가	
	Engaged learning + ( ) 가 : 50% 15% 25% 10%	

## (SYLLABUS)

2.

(Week)	(Keyword)	(Description)		(Texts)
01	OS	Introduction to OS: computer		1
02	OS structure	Computer system architecture and Operation	, ,	2
03	Process	Concept, state transition	, ,	3
04	Process	IPC and concurrent process, Linux Practice: installation	, , , , , ,	3
05	Thread	Concept and operation, Linux Practice: basic commands and Administration	, , , , , ,	4
06	Thread	Thread and multithread, Linux: process and threads	, , , , , ,	4
07	CPU scheduling	Process scheduling algorithm	, , , , , ,	5
08	Synchronization	Synchronization, mutex, semaphore, Linux practice: multiple processing and threads	, , , , , ,	6
09	OS	OS summary and extras		1
10	Synchronization Deadlock	Synchronization examples, Deadlock, starvation, Linux practice: synchronization,	, , , , , ,	7,8
11	Main memory	Memory management : segmentation, paging	, ,	9
12	Virtual memory	Demanding page and replacement	, ,	10
13	Virtual memory	( ) Frame allocation and others	, ,	5/31 ( ) 1:30-4:00 +@
14	File system	File, File system, File allocation	, ,	13
15	File system	Directory and protection	, ,	13 6/14 ( ) 3:00-5:00

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3. ( )

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	Open-ended problem		
	Teamwork		
	Communication skills		