

## (SYLLABUS)

1.

(Course Title)		(Instructor)			
(Year)	2023	(Semester)	1	(Course No.)	2150182801
(Class)	01	(Open to)	4 4 IT	(Course Classification)	-IT / -
/	3.0 (0 ) / 3		100	가	가
(Office)	051306	(Telephone)	02-820-0710	(e-mail)	chlee@ssu.ac.kr
			+		2023
	(*) (ABEEK Classification)			(*) (ABEEK Requirement)	
	- , , :				
	- :				
(Course Description)	가 Linux Linux				


가	( 100 )	( 100%)
	100	100

(Required Texts)		* /Operating System/Silberschatz/Wiley/2019/10/
	( )	* //2023
	C	C 가
	Engaged learning ( ) + 가 : 50% , 40% 10%	

## (SYLLABUS)

2.

(Week)	(Keyword)	(Description)		(Texts)
01	OS	Introduction to OS: computer		1
02	OS	Introduction to OS: operations	, ,	1
03	OS structure	Computer system architecture and Operation	, ,	2
04	Process	Concept, state transition	, ,	3
05	Process	IPC and concurrent process, Linux Practice: installation	, , , , , ,	3
06	Thread	Concept and operation, Linux Practice: basic commands and Administration	, , , , , ,	4
07	Thread	Thread and multithread, Linux: process and threads	, , , , , ,	4
08	CPU scheduling	Process scheduling algorithm	, , , , , ,	5
09	Synchronization	Synchronization, mutex, semaphore,	, ,	6,7
10	Deadlock	Deadlock, starvation, Linux practice: multiple processing and threads synchronization	, , , , , ,	8
11	memory	Memory management : Memory allocation	, ,	9
12	memory	Memory management : paging	, ,	9
13	File system	File, File system, File allocation	, ,	9
14		( )		6/3( ) 10-12
15	File system	File system topics	,	9

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3. ( )

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	Open-ended problem		
	Teamwork		
	Communication skills		