

(Syllabus)

[1] (Basic Information)				
<u>(Course Information)</u>				
/	2020 / 2	(Campus)		(Seoul Campus)
(Year/Semester)				
(Course No.)	15841	(Class No.)	02	(Credit) 3
(Course Title)	(OPERATING SYSTEMS)	/	(Time/Room)	207 () 719 < > 2 / 1,2(College of engineering1 719 < > MON2 / WED1,2)
(Course Classification)	(Major)	(Lecture Type)		(Lone-teaching course)
(Course Type)	(Theoretical course)	(Medium of Instruction)		
(Accreditation)		(Accreditation of Engineering Education)		(Engineering subject-related course)
(College)	ICT (College of ICT Engineering)	() (Department)		ICT (School of Electrical and Electronics Engineering)
e-class (Usage of e-class)	Yes			
<u>(Instructor Information)</u>				
(Name)	(Park Ho Hyun)	(Department)		(School of Electrical and Electronics Engineering)
(Office Phone No.)	02-820-5345	(Contact No.)		5345
E-mail (E-mail)	hohyun@cau.ac.kr	(Department Phone No.)		5345
가 (Office Hour)		(Office Location)		207-746
(Course Web-site)	http://infosoft.cau.ac.kr/			

[2] / (Learning Objectives/Outcomes)	
<u>(Course Description)</u> We study the basic concepts of operating systems such as process, thread, memory management, and file systems. In addition, we use and analyse Linux as a case study.	
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<u>(Prerequisites and Co-requisites)</u>	
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<u>(Learning Objectives)</u>	
Students will learn the basic concepts of operating systems such as process, thread, memory management, and file systems. Additionally, students learn Linux system commands, kernel and device drivers.	
<u>(Learning Outcomes)</u>	
Basic concepts of operating systems such as process, thread, memory management, and file systems. And Linux system commands, kernel and device drivers.	
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[3] (Course Methods)	
<u>(Teaching and Learning Methods)</u>	
(Teaching and Learning Methods)	가 (Additional Description)
(Lecture)	
(Individual Practical Training)	Linux programming
<u>(Assignments)</u>	

<u>(Textbooks, Reading, and other Materials)</u>					
(Textbook/Reference)	(Title)	(Author)	/ (Year of Publication/etc)	/ (Publisher/Name of Journal)	/ (No. of Edition)
(Main Textbook)	Operating System Concepts	Silberschatz, et. al.	2012	Wiley	9th

(Textbook/Reference)		(Title)	(Author)	/ (Year of Publication/etc)	/ (Publisher/Name of Journal)	/ (No. of Edition)
(Reference)		with		2015		
[4] 가 (Student Assessment)						
가 (Assessment Item)		가 (%) (Assessment Ratio)	가 (Additional Description)			
(Attendance)		10				
(Final Exam)		40				
/ (Participation/Attitude)		10				
(Assignment)		40				
[5] (Course Schedule)						
(Week)	(Instructor)	(Topic & Content)		(Student Assignment)	가 (Additional Description & Instructor Assignment)	
1		Ch1. Introduction, Ch2. System call				
2		Ch3. Process				
3		Ch2. , - , -				
4		Ch5.1 , - , -				
5		- , Ch5.2 , - ,				
6		Ch4. Threads, , - , Ch5.4 POSIX , - , -				
7		Ch5. Process Scheduling				
8		()				
9		Ch6. Process Synchronization, Ch7. Deadlock				
10		, - IPC(Inter Process Communication) , - IPC(Inter Process Communication) , - IPC(Inter Process Communication)				
11		Ch8. Memory Management				
12		Ch9. Virtual Memory				
13		- , - , -				

(We ek)	(Instructor)	(Topic & Content)	(Student Assignment)	가 (Additional Description & Instructor Assignment)
14		, -		
15		, -		
16				
[6] (Guide to Learning)				
19			
19	vmware		
가 ():				
1,2				
(Previous Exam Samples)				
E-Class				
< 가 >(<Download Additional Sample>)				
가 .				
(Engineering Education)				
(Learning Outcomes)				
: 35 : 35 : 30				
<u> (Title)</u>				
(가, ,)				
<u> (Objective)</u>				
(가, ,)				
<u> (Restrictions)</u>				
C , C .				
<u>가 (Assessment Method)</u>				

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(In pursuant to the Article 71 “Discipline” of the Chung-Ang University Regulations, and Article 47 “Punishment for Cheating during Examination” under Chapter 6 of the Academic Affairs Management Rules, any student caught engaging in academic misconduct during an exam will be subject to disciplinary action.)

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2. : , 가
3. / : 가 , 가
4. : 02-820-6577~9(), 031-670-4816()
(cauable)

In this class, students with disabilities are eligible for reasonable accommodations depending on the type and severity of disability. If you wish to receive accommodations listed below, please contact the Support Center for Students with Disabilities.

1. Visual Impairment: Braille, large print, electronic class materials, volunteer note-taker, adjustments in assessment practices, etc.
2. Hearing Impairment: Volunteer note-taker, stenographer, adjustments in assessment practices, etc.
3. Physical Disabilities/Brain Lesions: Classrooms with wheelchair access, volunteer note-taker, adjustments in assessment practices, etc.
4. Accommodations for students with other psychiatric disabilities or health impairments can be arranged through the Support Center for Students with Disabilities after consultation.

Inquiry: 02-820-6577~9 (Seoul Campus), 031-670-4816 (Anseong Campus)
- KakaoTalk Plus Friend ID: @cauable