

(SYLLABUS)

1.

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|----------------------|-------------------------------|--------------|-------------|----------------------------|-----------------|
| (Course Title) | | (Instructor) | | | |
| (Year) | 2023 | (Semester) | 1 | (Course No.) | 2150182801 |
| (Class) | 01 | (Open to) | | (Course Classification) | -IT / - |
| (Credit) | 3.0 (0) | | 03 | | 100 |
| | | | | | |
| (Office) | 051306 | (Telephone) | 02-820-0710 | (e-mail) | chlee@ssu.ac.kr |
| | | | + | | |
| | (*) (ABEEK Classification) | | | (*) (ABEEK Requirement) | |
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| (Course Description) | 가 Linux Linux . | | | | |

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| (Required Texts) | | * /Operating System/Silberschatz/Wiley/2019/10/ | | | |
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| | 30% | 30% | 30% | 10% | |

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| (Week) | (Keyword) | (Description) | | (Texts) |
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|----|------------------------|------------------------------------------------------------------------------------|-------------|-------------|
| 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 | | () | | 4/29() 1-3 |
| 10 | Synchronization | Synchronization, mutex, semaphore, Linux practice: multiple processing and threads | , , | 6 |
| 11 | Deadlock | Deadlock, starvation, Linux practice: synchronization | , , | 7 |
| 12 | memory | Memory management : segmentation, paging | , , | 8 |
| 13 | File system | File, File system, File allocation | , , | 9 |
| 14 | | () | | 6/3() 1-3 |
| 15 | memory and File system | memory management topics File system topics | , | |

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| | Open-ended problem | | |
| | Teamwork | | |
| | Communication skills | | |