

ECE9048 Linux Systems and Lab

Spring 2025

School of Electronics and Computer Engineering

Chonnam National University

Course Info	JNU-LMS (https://sel.jnu.ac.kr)
Instructor	Hyung-Il Kim (email: hyungil.kim@jnu.ac.kr) Engineering Building #6-717 (Phone: 530-1762)
Class Meetings	Monday & Wednesday 15:00-17:00 Engineering Building #6-720
Office Hours	Thursday 16:00-18:00 (subject to change) or by appointment
Class Objectives	This course aims to give students a comprehensive understanding of the UNIX/Linux operating system and its core principles.
Prerequisites	No official prerequisites Experience with basic programming (e.g., C/C++ or Python) can help understand the lectures, and for programming in the lab.
Textbook	리눅스 시스템 원리와 실제 (개정판) / 창병모 Reference: Your UNIX/Linux The Ultimate Guide [Link] Reference: Advanced Programming in the UNIX Environment [Link]
Topics	In UNIX/Linux environment: <ul style="list-style-type: none">• System architecture, command-line usage, file management• Process management, shell scripting, system administration, etc.
Lab	We will have a lab session to review the concepts learned in class through programming with small tasks. The lab schedule can be subject to change depending on learning progress.
Evaluation	Midterm (30%), Final exam (30%), Assignments (30%) Attendance (7%), Participation (3%)
Assignments	There will be six assignments, each of which will involve completing a programming task given in class, plus one or two additional programming tasks.

Course Policy

Language: Since this course is the B-type English course (30%), all lecture materials, exams, and assignments are provided in English. Other than that, Korean and English are used in parallel.

Absence & Academic Dishonesty: You may get an F grade if you have an absence for more than $\frac{1}{4}$ of the entire class or exams. Academic misconduct (e.g., cheating) will have a heavy penalty. Additionally, while you can leverage generative AI like ChatGPT, using the results as-is could be considered cheating.