Laboratory on Computer Network

SASAKI, Shigeru

1. Course Description

This course deals with the following topics: (1) the fundamental skills for working with Linux, (2) the basic skills for setting up network facilities on Linux, (3) the installation and setting up technique of various servers such as a DNS server, a Web server and a mail server, etc. In the lessons, students exercise using a virtual machine for his/her private use.

This course is related to diploma policy DP2 and DP4M.

2. Course Objectives

By the end of the course, students should be able to do the following:
- explain basic knowledge of Linux OS and network settings.
- explain functions of a DNS server, a Web server and a mail server.
- acquire a technique of setting these servers.
- acquire a technique of creating Web pages using the contents creation tools.

3. Grading Policy

Grading will be decided based on repots (100%).
Feedbacks on reports and examinations will be given on LMS.

4. Textbook and Reference

Textbook
The Learning materials are published on the LMS.

5. Requirements(Assignments)

The students are expected to read lecture materials and fill blanks on "main point notes" as preparation. It takes approximately one hour to finish this work.

6. Note

Absence and non-submission of reports are not accepted.

7. Schedule

Introduction, basics of exercise environment of Linux
Basic network settings
Name server settings
Web server settings
Mail server settings
Wiki server settings
Plone server settings