

# Laboratory in Information Science 3

Syllabus Number

4F201

Special Subjects  
Requisites 2 credit

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## 1. Course Description

The aim of this course is to help students acquire knowledge and technique to build the Internet servers such as DNS, Web and mail servers. This course deals with basic Linux skills, network settings, and server settings.

This course is related to diploma policy 3 and 4.

## 2. Course Objectives

By the end of the course, students should be able to do the following:

- make basic operation of the Linux.
- build a DNS server.
- build a Web server.
- build a Mail server.

## 3. Grading Policy

Grading will be decided based on reports (20%) and term-end examination (80%).

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 review contents and short tests before starting new topics. It takes approximately one hour to finish this work.

## 6. Note

## 7. Schedule

- |      |                                                                            |
|------|----------------------------------------------------------------------------|
| [1]  | (NSS1) Introduction, basics of Linux                                       |
| [2]  | (NSS1) NSS1 exercise and report writing                                    |
| [3]  | (NSS2) Basic network settings                                              |
| [4]  | (NSS2) NSS2 exercise and report writing                                    |
| [5]  | (NSS3) Basic settings of name server                                       |
| [6]  | (NSS3) NSS3 exercise and report writing                                    |
| [7]  | (NSS4) Basic settings of web server (1) basic setting, user area, CGI      |
| [8]  | (NSS4) NSS4 exercise and report writing                                    |
| [9]  | (NSS5) Basic settings of web server (2) access restriction, virtual server |
| [10] | (NSS5) NSS5 exercise and report writing                                    |
| [11] | (NSS6) Basic settings of mail server                                       |
| [12] | (NSS6) NSS6 exercise and report writing                                    |
| [13] | (NSS7) Basic settings of Wiki server                                       |
| [14] | (NSS7) NSS7 exercise and report writing                                    |
| [15] | Summary and shot tests                                                     |