

## System Administration

2 units (selection)

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**Target** The aim of this lecture is to make students learn knowledge and skills about system administration.

**Outline** This lecture presents basic idea, knowledge, skills about various kinds of application services in addition to fundamental operation.

**Keyword** *System administration, Linux, Application Service*

**Fundamental Lecture** “**Operating System**”(1.0), “**Introduction to Computer**”(1.0), “**Information Security**”(1.0)

**Goal** Studying on Operating System, Development tools, Software Servers

**Schedule**

1. Introduction to System Administration
2. System administration on various OS
3. Concept of Virtualization
4. Practice of Virtualization
5. Setup Guest OS on Virtual Machine
6. Computer Security
7. Authentication and Authorization
8. Practice of Authentication
9. Web Service
10. Directory Service
11. LDAP
12. Application of LDAP
13. Federated Service
14. Logging Service
15. Summary of the lecture
16. Examination

**Evaluation Criteria** Comprehensive evaluation due to the result of examination and reports.

**Textbook** 特に指定しない。資料は適宜配付する。

**Reference** トピックが多岐に渡るため、関連する参考書は任意とする

**Contents** <http://cms.db.tokushima-u.ac.jp/cgi-bin/toURL?EID=215902>

**Student** Able to be taken by only specified class(es)

**Contact**

⇒ (Office Hour: Wednesday 10:00-11:00)

**Note**

- ◇ 2 hours of both preparation and review are required for 2 hours lecture.
- ◇ Achievement and evaluation on lecture 1–14 will be carried out with reports and examination.