Information and Communication Network

2 units (selection)

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Target⟩ This class provides the knowledge necessary for understanding architecture and fundamental technics of information and communication network.

Outline⟩ This lecture is focused on architecture of information and communication network and its fudamental technologies. Particulary, methods of multimedia data transmitting, network architecture and network security are explained in this lecture.

Style⟩ Lecture

Keyword⟩ *information and communication network, digital data transmission, network architecture, network security*

Requirement⟩ 特になし

Notice⟩ 特になし

Goal⟩

1. Architecture of Information and communication network can be learned

2. Fundamental technics for Information and communication network can be learned

Schedule⟩

1. Information and communication systems

2. Fundamental technologies of data transmission

3. Digital data transmission (1)

4. Digital data transmission (2)

5. Error control

6. Network architecture

7. Communication line

8. Network security

9. Cryptography Algorithm

10. Digital signature

11. Communication security

12. Authentication protocol

13. Mobile communication systems (1)

14. Mobile communication systems (2)

15. Broadcast systems

16. Assignment

Evaluation Criteria⟩ Result is decided by attendance(20%) and Assignment (80%).

Textbook⟩ Printed synopsises of lecture are distributed.

Reference⟩ To be introduced in the class.

Contents⟩ http://cms.db.tokushima-u.ac.jp/cgi-bin/toURL?EID=216702

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

Contact⟩

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(Office Hour: 月曜日，火曜日 (16:00-18:00))