

COURSE DETAIL

INFORMATION SCIENCE

Country

Japan

Host Institution

Tohoku University

Program(s)

Engineering and Science

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

102

UCEAP Course Suffix

AV

UCEAP Official Title

INFORMATION SCIENCE

UCEAP Transcript Title

INFORMATION SCIENCE

UCEAP Quarter Units

3.00

UCEAP Semester Units

2.00

Course Description

This course teaches basic knowledge of the structure and functions of computers. Starting with the history of computers, the course explains the mechanisms of how they work and their future. The course covers the representation of numbers; Boolean algebra; combinatorial circuits; sequential circuits; computer architecture; arithmetic, control, and memory systems; high performance computing; compilers; I/O and operating systems, and computer networks.

Language(s) of Instruction

English

Host Institution Course Number

N/A

Host Institution Course Title

FUNDAMENTALS OF INFORMATION SCIENCE I

Host Institution Course Details

https://www.insc.tohoku.ac.jp/english/wp-content/uploads/2025/04/TB15202_undame...

Host Institution Campus

Tohoku University

Host Institution Faculty

Host Institution Degree

Host Institution Department

JYPE

Course Last Reviewed

2024-2025

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