COURSE DETAIL

UCEAP Semester Units

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** ΑV **UCEAP Official Title** INFORMATION SCIENCE **UCEAP Transcript Title** INFORMATION SCIENCE **UCEAP Quarter Units** 3.00

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 algerbra; combinatorial circuits; sequential circuits; computer architecutre; 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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