COURSE DETAIL

COMPILER CONSTRUCTION

Country
Japan

Host Institution
Keio University

Program(s)
Keio University

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Computer Science

UCEAP Course Number
139

UCEAP Course Suffix

UCEAP Official Title
COMPILER CONSTRUCTION

UCEAP Transcript Title
COMPILER CONSTRUCTN

UCEAP Quarter Units
3.00

UCEAP Semester Units
2.00

Course Description

Programs written in programming languages such as C or Java are translated into assembly language or machine language programs by a special software called a compiler. This course explains the basic concepts and formalization of programming languages, explaining how the programs we usually write are executed inside a computer and how the compiler is configured for that purpose. Compilers can generally be divided into two parts: a front end and a back end. This course focuses on the front end, which comprises of three parts: lexical analysis, syntactic analysis, and semantic analysis.

Language(s) of Instruction
Japanese

Host Institution Course Number
N/A

Host Institution Course Title
COMPILER CONSTRUCTION

Host Institution Course Details
https://gslbs.keio.jp/pub-syllabus/detail?ttblyr=2023&entno=10248&lang=en

Host Institution Campus
Keio University

Host Institution Faculty

Host Institution Degree

Host Institution Department
Information and Computer Science

Course Last Reviewed
2023-2024

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