

COURSE DETAIL

PROGRAMMING LANGUAGE STRUCTURES

Country

Korea, South

Host Institution

Yonsei University

Program(s)

Yonsei University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

102

UCEAP Course Suffix**UCEAP Official Title**

PROGRAMMING LANGUAGE STRUCTURES

UCEAP Transcript Title

PROGRAMMING LANGUAGE

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This course introduces various programming paradigms/principles which define the characteristics of a Programming Language (PL). We first discuss declarative/imperative programming, followed by the characteristics of various programming paradigms (e.g., functional/logic/object-oriented). After that, we discuss what components are necessary to form and define a PL, such as syntax, semantics, data types. By understanding the representative programming paradigms and how to formally define a PL, students gain an ability to describe/evaluate the characteristics of not only the existing PLs, but also the next-gen PLs. Textbook: K. C. Louden & K. A. Lambert, PROGRAMMING LANGUAGES: PRINCIPLES AND PRACTICE. Prerequisite: Any course involving computer programming (e.g., CSI2100, CSI2102)

Language(s) of Instruction

English

Host Institution Course Number

CSI3103

Host Institution Course Title

PROGRAMMING LANGUAGE STRUCTURES

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Computer Science

Course Last Reviewed

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