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 PROGRAMMNG 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 Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Computer Science

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