COURSE DETAIL

BIG DATA PROGRAMS, COMPILERS, AND APPS
Country Taiwan
Host Institution National Taiwan University
Program(s) National Taiwan University
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Computer Science
UCEAP Course Number 115
UCEAP Course Suffix
UCEAP Official Title BIG DATA PROGRAMS, COMPILERS, AND APPS
UCEAP Transcript Title BIG DATA PROGRAMS
UCEAP Quarter Units 4.50
UCEAP Semester Units 3.00

Course Description

This is a cross domain course which students are divided to two groups. One group focuses on Big Data processing needs, analytics, machine-learning and recommendation systems. The other emphasizes compilers and their contexts, be it Android compilation or Big Data languages. This is crucial especially today; Benefitting from Moore's Law, the main abstraction level in Computer Science has shifted higher rapidly. In comparison, Taiwan's industry has been buried in the hardware, drivers, and benchmarking game. Both groups are taught by an author of Big Explorer, Android Virtual Machine and RenderScript Engine (Google). The course also includes a mini-hackathon.

Language(s) of Instruction
English

Host Institution Course Number
CSIE5211

Host Institution Course Title
BIG DATA PROGRAMS, COMPILERS, AND APPS

Host Institution Course Details
https://sites.google.com/site/compiler2015/

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Computer Science and Information Engineering

Course Last Reviewed
2022-2023

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