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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