

## 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 Campus

### Host Institution Faculty

### Host Institution Degree

### Host Institution Department

Computer Science and Information Engineering

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