COURSE DETAIL

MULTICORE AND GPU PROGRAMMING
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 125
UCEAP Course Suffix
UCEAP Official Title MULTICORE AND GPU PROGRAMMING
UCEAP Transcript Title MULTICORE &GPU PROG
UCEAP Quarter Units 4.50
UCEAP Semester Units 3.00

Course Description

This course covers various aspects of multi-core programming. Topics include programming models for multi-threading (Pthread), GPUs (CUDA), and the theoretical backgrounds behind them. Students also implement and optimize various emerging applications such as matrix multiplication, reduction, and deep learning kernels.

Language(s) of Instruction
English

Host Institution Course Number
CSI4119

Host Institution Course Title
MULTICORE AND GPU PROGRAMMING

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Computer Science

Course Last Reviewed
2022-2023

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