COURSE DETAIL

DISTRIBUTED AND PARALLEL COMPUTING
Country Hong Kong
Host Institution University of Hong Kong
Program(s) University of Hong Kong
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Computer Science
UCEAP Course Number 137
UCEAP Course Suffix
UCEAP Official Title DISTRIBUTED AND PARALLEL COMPUTING
UCEAP Transcript Title DIST& PARALLEL COMP
UCEAP Quarter Units 5.00
UCEAP Semester Units 3.30

Course Description

This course examines the basic concepts and modern software architectures on distributed and parallel computing. Topics include: computer network primitives, distributed transactions and two-phase commits, webservices, parallelism and scalability models, distributed consistency models, distributed fault-tolerance, actor and monads, Facebook photo cache, Amazon key-value stores, Google Map-reduce, Spark, and TensorFlow.

Language(s) of Instruction
English

Host Institution Course Number
COMP3358

Host Institution Course Title
DISTRIBUTED AND PARALLEL COMPUTING

Host Institution Course Details
https://www.cs.hku.hk/index.php/programmes/course-offered?infile=2023/comp3358...

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Course Last Reviewed
2023-2024

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