

COURSE DETAIL

INTRODUCTION TO DISTRIBUTED SYSTEMS

Country

China

Host Institution

Tsinghua University

Program(s)

Tsinghua University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

112

UCEAP Course Suffix**UCEAP Official Title**

INTRODUCTION TO DISTRIBUTED SYSTEMS

UCEAP Transcript Title

DISTRIBUTED SYSTEMS

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This course introduces the principles of distributed systems as well as some of the current influential distributed systems such as Google File System, MapReduce, Bigtable, Amazon Dynamo, etc. The course emphasizes the internal structure of the corresponding systems and the general principles for designing distributed systems. Topics: programming model of distributed systems, distributed locking, data replications, distributed consensus, and some issues related to security in real systems.

Language(s) of Instruction

English

Host Institution Course Number

80240613

Host Institution Course Title

INTRODUCTION TO DISTRIBUTED SYSTEMS

Host Institution Course Details

<https://www.tsinghua.edu.cn/en/Admissions/Undergraduate/Curriculum.htm>

Host Institution Campus**Host Institution Faculty****Host Institution Degree****Host Institution Department**

Computer Science and Technology

Course Last Reviewed

2025-2026

[Print](#)