

COURSE DETAIL

BASICS OF CRYPTOGRAPHY

Country

China

Host Institution

Tsinghua University

Program(s)

Tsinghua University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

124

UCEAP Course Suffix**UCEAP Official Title**

BASICS OF CRYPTOGRAPHY

UCEAP Transcript Title

BASICS OF CRYTOGRPH

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

We will cover the basic concepts in modern cryptography. The contents include one-way functions, encryption, pseudorandomness, digital signature, interactive protocols, zero-knowledge proofs, multiparty computation, homomorphic encryption, and program obfuscation.

Language(s) of Instruction

English

Host Institution Course Number

40470024

Host Institution Course Title

BASICS OF CRYPTOGRAPHY

Host Institution Course Details

<http://www.chenyilei.net/cryptography-s2024.html>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Course Last Reviewed

2023-2024

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