COURSE DETAIL

INTRODUCTION TO CYBERSECURITY
Country Japan
Host Institution Keio University
Program(s) Keio University
UCEAP Course Level Lower Division
UCEAP Subject Area(s) Computer Science
UCEAP Course Number 60
UCEAP Course Suffix
UCEAP Official Title INTRODUCTION TO CYBERSECURITY
UCEAP Transcript Title INTRO CYBERSECURITY
UCEAP Quarter Units 3.00
UCEAP Semester Units 2.00

Course Description

This course introduces the basic concepts of Cybersecurity. It explores the challenges that the interconnectedness of cyberspace poses to computer networks; the concept of risk; typical patterns of vulnerabilities, as well as attacks and mitigation strategies.

The course introduces, in a non-technical fashion, the basic concepts of cryptography, and the typical cryptographic building blocks: encryption, digital signatures, authentication codes, public key and secret key infrastructures. The course discusses how these building blocks are used to construct secure networks and the legal frameworks handling cyber-attacks. Finally, the course analyzes cybersecurity in the context of Japan and East Asia.

Language(s) of Instruction
English

Host Institution Course Number
N/A

Host Institution Course Title
INTRODUCTION TO CYBERSECURITY

Host Institution Course Details
https://gslbs.keio.jp/pub-syllabus/detail?ttblyr=2024&entno=25535&lang=en

Host Institution Campus
Keio University

Host Institution Faculty

Host Institution Degree

Host Institution Department
International Center

Course Last Reviewed
2024-2025

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