COURSE DETAIL

SOFTWARE SECURITY
Country Korea, South
Host Institution Korea University
Program(s) Korea University
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Computer Science
UCEAP Course Number 108
UCEAP Course Suffix
UCEAP Official Title SOFTWARE SECURITY
UCEAP Transcript Title SOFTWARE SECURITY
UCEAP Quarter Units 4.50
UCEAP Semester Units 3.00

Course Description

90% of security incidents exploit software vulnerabilities. This course studies principles and mechanisms for improving software security. It discusses various attack techniques; how to defend against them; and more importantly, how to develop software with less vulnerabilities in advance.

The course covers topics such as security principles, buffer overflow, race condition attacks and security development lifecycles (SDL), security by design. Operating systems and computer network courses are recommended before taking this course.

Language(s) of Instruction
English

Host Institution Course Number
COSE451

Host Institution Course Title
SOFTWARE SECURITY

Host Institution Course Details
https://infodepot.korea.ac.kr/lecture1/lecsubjectPlanView.jsp?year=2023&term=2R...

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Computer Science and Engineering

Course Last Reviewed
2023-2024

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