

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/lecsujectPlanView.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

[Print](#)