COURSE DETAIL

SPECIAL TOPICS IN COMPUTER SCIENCE: USEABLE SECURITY AND PRIVACY

Country
Korea, South

Host Institution
Korea Advanced Institute of Science and Technology (KAIST)

Program(s)
Korea Advanced Institute of Science and Technology, KAIST

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Computer Science

UCEAP Course Number
142

UCEAP Course Suffix

UCEAP Official Title
SPECIAL TOPICS IN COMPUTER SCIENCE: USEABLE SECURITY AND PRIVACY

UCEAP Transcript Title
TPCS SECURITY&PRVCY

UCEAP Quarter Units
4.50

UCEAP Semester Units

3.00

Course Description

This course uses a human-centered lens to examine security and privacy, focusing on how design and research can create solutions that people can understand, trust, and use.

Security and privacy are as much about people as they are about technology. Many failures arise not just from a lack of technical capability, but from mismatches with how people think, behave, and interact in their everyday contexts.

Students engage with real-world topics ranging from authentication and security warnings to deceptive patterns, AI privacy, and privacy and security challenges in sensing environments, while learning foundational methods in user research and usable security and privacy evaluation. Through critical readings, class discussions, and hands-on projects, students develop skills to understand and design for human factors in security and privacy contexts.

Key themes include: 1) Human-centered research methods for security and privacy, 2) Usable security tools, access control, and warnings 3) AI-enabled security and privacy challenges, 4) Sensing environments and security/privacy issues, and 5) Ethics and social implications in security and privacy

Language(s) of Instruction
English

Host Institution Course Number
CS492,CS.49900

Host Institution Course Title
SPECIAL TOPICS IN COMPUTER SCIENCE: USEABLE SECURITY AND PRIVACY

Host Institution Course Details
https://erp.kaist.ac.kr/com/lgin/SsoCtr/initExtPageWork.do?link=estblSubjt

Host Institution Campus
Host Institution Faculty
Host Institution Degree
Host Institution Department
Course Last Reviewed 2024-2025

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