

COMPUTER SECURITY

1 July 2020

Instructor:	Songrit Kitisriworapan	Time:	Tue 9:00 – 12:00
Email:	songrit@npu.ac.th	Place:	EN1303 (Network Lab)

Course Pages:

1. <https://github.com/Lecture-CPE/424>
2. <https://git.npu.world/Lecture-CPE/424>

Office Hours: After class, or by appointment, or E-mail.

Main References:(recommended, not required)

- Wenliang Du, "Computer Security: A Hands-on Approach" 2nd Edition, (ISBN: 978-1733003902)

Objectives: This course is primarily designed for undergraduate students. Students become familiar with cyber security, computer vulnerability and exploit.

Prerequisites: None

Grading Policy: Attend (30%), Assignment (20%), Midterm (20%), Final (30%),

Important Dates:

Midterm 24-30 Aug, 2020

Course Policy:

- Grading A, B+, B, C+, C, D+, D, F(< 50%)

Class Policy:

- Regular attendance is essential and expected.

Academic Honesty: Lack of knowledge of the academic honesty policy is not a reasonable explanation for a violation.

Tentative Course Outline:

Week	Description
1	Course orientation Introduction
2	Vulnerability and Exploit
3	Binary and execution file
4	Layer 2 attack
5	Layer 3 attack
6	Remote code execution
7	Midterm Exam
8	Site visited
9	Phishing and Pharming attack
10	XSS (Cross Site scripting)
11	Cookies attack
12	Cryptographic issues
13	SQL injection
14	Reverse shell
15	Preparing for CTF
16	Final Exam