

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: In-class project (50%), Quizzes (10%), Major services (15%), Midterm (25%),

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 Boolean Logic
2	Boolean Arithmetic
3	Sequential Logic
4	ALU
5	Machine Language
6	Machine Language
7	Midterm Exam
8	Computer Architecture
9	Assembler
10	Virtual Machine I: Stack Arithmetic
11	Virtual Machine II: Program Control
12	High-Level Language
13	Compiler I: Syntax Analysis
14	Compiler II: Code Generation
15	Operating System
16	Reserved