

Extended Syllabus

(2024 1ST Semester)

Course Title	Introduction to Cryptography	Course Number	CSE4188
Credit	3	Enrollment Eligibility	4 th year
Class Time	WF 13:30-14:45	Classroom	tba

Instructor's Photo	Name: Saejoon Kim	Homepage: fml.sogang.ac.kr
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I. Course Overview

1. Description							
1. Learn basics of cryptography 2. Learn symmetric and asymmetric cryptography 3. Learn digital signature 4. Learn error recovery/correcting schemes							
2. Prerequisites							
1. Basic undergraduate math including linear algebra							
3. Course Format (%)							
Lecture	Discussion	Experiment/Practicum	Field study	Presentations	Other		
100%	%	%	%	%	%		
4. Evaluation (%)							
mid-term Exam	Final exam	Quizzes	Presentations	Projects	Assignments	Participation	Other
30%	40%	5~10%	%	%	10~15%	10%	%

II. Course Objectives

Learn and understand classical and modern cryptography at undergraduate level.

III. Course Format

(* In detail)

100% lecture

IV. Course Requirements and Grading Criteria

1 midterm exam, 1 final exam, 4~6 quizzes, 4~6 homework

V. Course Policies

Immediate "F" on misconduct.

VI. Materials and References

Textbook: Cryptography and Network Security, Behrouz Forouzan, McGraw Hill, 2008.

Covered chapters In textbook: 1, 2, ~ 10 and 13

In addition, there will be a material handed out on error recovery/correcting schemes.