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# **Introduction**

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# Who Am I?

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- Assistant professor at the Dept. of computer science, Hanyang Univ.
  - I am leading the SE lab
    - <https://se.hanyang.ac.kr>
    - [yunhokim@hanyang.ac.kr](mailto:yunhokim@hanyang.ac.kr)
- Research goal
  - Build better software with automation
- Research interests
  - Automated test generation
  - Automated debugging
  - Program analysis (static/dynamic)



Yunho Kim (김윤호)

# Timetable

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✧ I will teach OOP/OOAD/UML and design patterns in this week

Time	1/3	1/4	1/5	1/6	1/7
09~10	OT	UP Elaboration	<u>UML Practice</u>	Traditional Patterns	New Patterns
10~11	OOP Review				
11~12					
12~13	Happy Lunch Time!				
13~14	OO Modeling	UP Elaboration	GoF Pattern Review	Traditional Patterns	<u>Pattern Practice</u>
14~15					
15~16	UP Inception	UML		Traditional Patterns	
16~17					
17~18					

# Practices

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✧ We have two practices in this week

- Each practice

## 1. UML Practices

- Write UML diagrams for a given description of a system

## 2. Design pattern practices

- Write Java code using design patterns to implement a program for a given description of a system

# Assumption

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- ✧ You are familiar with the Java programming language
- ✧ You have basic knowledge of computer science