

# Orientation

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# About instructor

노 병 준

- Computer science in B.S / M.S
- Civil and Environmental Engineering in Ph.D
- Post-doc in AlxMobility Lab.
- AI Solution group in Samsung Electronics DS

Key question could be...

- Why did you study different fields?
- Convergence (multidisciplinary) era

Office hour:

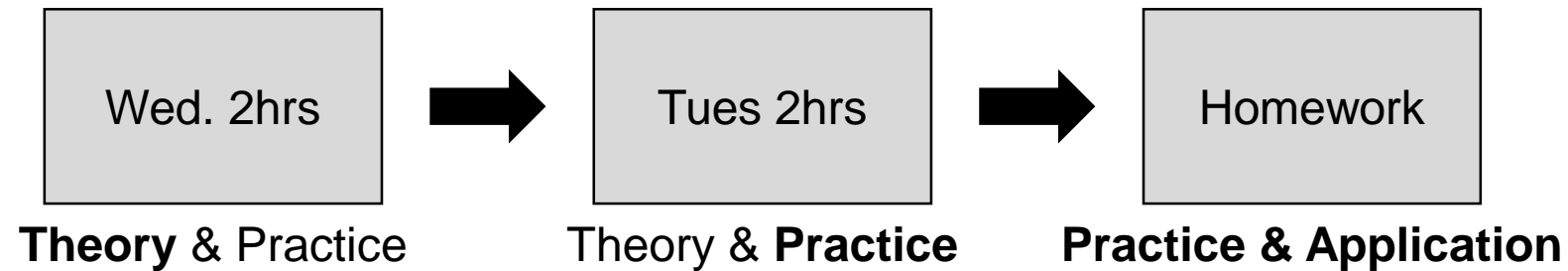
Mon. 15:00-16:00

Thur. 14:00-15:00

ML311

# Course overview

Lecture time: Tues. (10:00-12:00, lecture) and Wed. (13:00-15:00, programming practice)



Level: Freshman (1<sup>st</sup> years' students)

Java language will be mainly used in this class

**NOT** require prior knowledge of other programming language

**OOP is very important for computer scientist !**

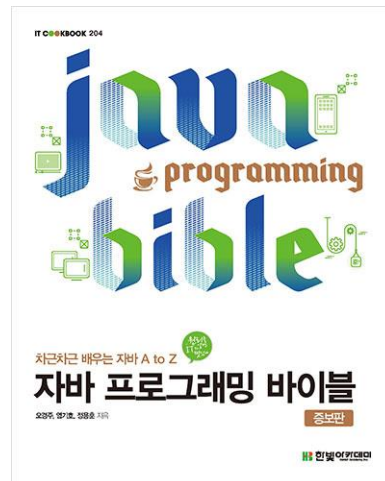
# Course overview

## Assignment

- There will be simple programming quiz in every class to check the student's learning progress of the course

## Notification

- You can earn 100 points if you follow the course faithfully.
- No textbook, only presentation slide
- Please DO NOT REGISTER this class for second graders and retakers
- Only for your self studying...



# References

## Reference 1

MIT Java course

(online textbook and free)

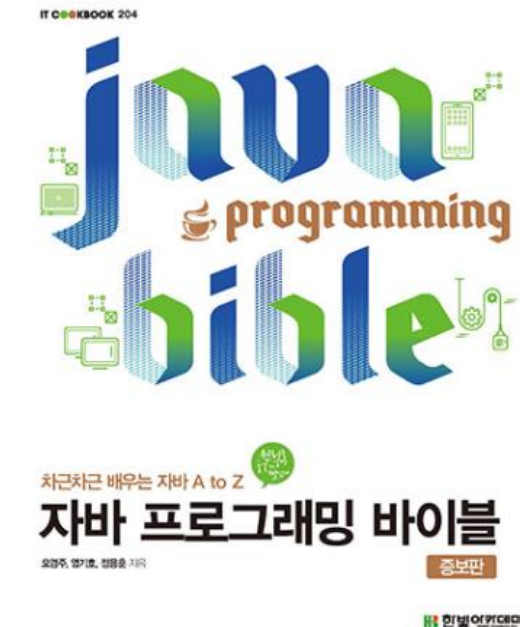
<https://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-092-introduction-to-programming-in-java-january-iap-2010/lecture-notes/>

## Reference 2

Helsinki's OOP course

(online textbook and free)

<https://moocfi.github.io/courses/2013/programming-part-1/>



# Grading

Midterm / Final exam: 50 points (25 points each)

- Not open-book, no memory test

Programming assignment: 25 points (1-2 points each)

Class participation: 20 points

Attitude: 5 points (Quizzes etc.)

Max 3 absences: No penalty (Including today)

**Cheating F**

**5 absences F**

**Not taking midterm or final F**

# Course schedule

Week	Contents
1	Orientation & Installation of Eclipse
2	OOP introduction and concept of Object
3	Basic java grammar: Identifier, Data type, Operator, Conditional Statement
4	Loop, Array, and exception handling
5	Class and object 1
6	Class and object 2
7	Advanced class handling 1
8	Midterm exam

# Course schedule

Week	Contents
9	Advanced class handling 2
10	I/O Streams and File I/O
11	Threads and Multitasking
12	Network programming
13	Mini project
14	Mini project
15	Mini project
16	Final exam

The plan for the second half of the semester could be modified depending on the student's learning achievement.