# Syllabus [2025Year 1 Term]

## Course Information

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Course Title	Java Programming	Credits	3
Course Code	465620-1	Required/El ective (For Underg raduate Cou rses)	Selective majors
Department or Major	Department of Mobile Syst ems Engineering	Language	English
Methods of Teaching		Lecture Roo m	월15,16,17,18,19(국제205)
Time Allotment	Lecture(3) Experiments(0) Trainging & Practice(0) P erformance(0) Designing & Planning(0)	Cyber Lectu res	
Course Type	offline		

## Lecturer

Lect	Name	WOOJIN JEON G	Rank	Adjunct Profes sor	Final Acade mic Degree	박사
	Department & college	Department of Mobile Systems E ngineering		Office		
	Office Phon e Number	_		e-mail	jeong.woojin@da	ankook.ac.kr
	Field of Inter					

## Course Summary

Course Description	Learn basic concepts of Java, programming syntax, and characteristics of object-oriented languages, and learn how to write and use Java applications.  After learning the general syntax of the Java programming language, students will understa nd the concept of classes and objects, which are characteristic of object-oriented languages, and learn how to use them in Java.  Learn about SWING, thread and multitasking, and network programming so that you can apply it to practical projects using Java.
Description Related Courses	Basic understanding of programming is required through C language or Python programmin g courses.  Java is required to complete the mobile programming course.
Course Goals	Understand the lecture contents & concept every week.  Understand GUI & network programming in Java to apply the techniques to the practical projects.

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Proj s	ected Result	Understand basic java programming language Understand the characteristics of Object oriented programming Understand SWING, thread, multitasking & network programming
Perd	centage of th	
e or	iginal langua	
ge d	classes(%)	

## Syllabus

Times	Lecture Topic	Lecture Goals	Lecture Methods	Assignments
1	Introduction to Java	- Introduce Syllabu s - Overview of Java - Set up developme nt environment (VS Code) - Introduction to the term project	강의,	
2	Basic of Java	- Understand Java structure and synta x - Learn data types and variables - Explore control str uctures (if-else, sw itch) and loops (for, while, do-while) - Work with arrays	강의,	
3	Basic of JAVA	- Introduction to Obj ect-Oriented Progra mming (OOP) - Learn about class es, objects, constru ctors, and method o verloading	강의,	
4	Intermediate Concepts	- Explore inheritanc e, polymorphism an d abstract classes	강의,	
5	Intermediate Concepts	- Deep dive into int erfaces - Learn exception h andling - Understand the co llections framework (List, Set, Map)	강의,	
6	Intermediate Concepts	- Explore File I/O	강의,	
7	Midterm exam	- Evaluate students' understanding of th e topics covered so far	강의,	
8	Advanced Topics	- Introduction to GUI programming with S	강의,	

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Times	Lecture Topic	Lecture Goals	Lecture Methods	Assignments
		wing		
9	Advanced Topics	- Practice GUI progr amming with Swing	강의,	
10	Advanced Topics	- Learn advanced t hreading, concurre ncy, and synchroni zation	강의,	
11	Advanced Topics	- Explore networkin g in Java, sockets, and basic client-se rver architecture	강의,	
12	Trending topic in java	- Recent trending to pics in Java	강의,	
13	Project Development	- Individual meeting s to discuss project progress	강의,	
14	Project Development	- Finalize the term p	강의,	
15	Final Exam	- Evaluate the over all understanding of course topics	강의,	

# Methods of Grading

sequen ce	Description	Percentage	Details
1	Mid-tem Exam	15%	Midterm Exam.
2	Final-exam	20%	Final Exam.
3	Pop Quizzes	0%	
4	Assignments	45%	Assignments & Term project (Planning, Final report)
5	Reports	0%	
6	Presentations & Discussions	0%	
7	Attendance	10%	Attendance
8		0%	
9	Others	10%	Etc
	All	100%	

## Core of Value

핵심가치	전공역량	역량정의	역량구분	값(%)
혁신 (Discovery)	창의적문제해결 (Creative problem-s olving)	주어진 상황과 문제 를 창의적으로 해결 할 수 있는 능력		0%

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핵심가치	전공역량	역량정의	역량구분	값(%)
혁신 (Discovery)	도전 (Challenging)	전공 지식을 새로운 분야와 융합하고 아 우를 수 있는 능력	부역량	0%
혁신 (Discovery)	지식융합 (Knowledge conver gence)	새로운 분야를 개척 하거나 도전적으로 임할 수 있는 능력		0%
헌신 (Dedication)	세계시민 (Universal value)	세계 공동체 구성원 으로 전공자로서 국 제적 이슈에 대응할 수 있는 능력		0%
헌신 (Dedication)	상호협력 (Cooperation)	공동의 목적 달성을 위해 타인과 상호협 력을 할 수 있는 능력		0%
헌신 (Dedication)	공동체 (Sense of communit y)	공동체의 구성원으로 서 필요한 태도와 윤 리의식을 가질 수 있 는 능력		0%
능동 (self- Determinatio n)	자기주도 (Self-Managing)	주어진 상황과 문제 를 주도적이고 능동 적으로 해결할 수 있 는 능력		0%
능동 (self- Determinatio n)	지식활용 (Knowledge applica tion)	주어진 상황과 문제 에 대해 논리적으로 파악하고 분석할 수 있는 능력	주역량	0%
능동 (self- Determinatio n)	논리적사고 (Logical thinking)	전공관련 지식을 필 요에 따라 다양하게 적용하고 활용할 수 있는 능력	부역량	0%
능동 (self- Determinatio n)	의사소통 (Articulation)	대화를 통해 다양한 의견을 조율하고 합 의를 이끌어 낼 수 있 는 능력		0%

# Textbook(s) & References

Descrip tion	Title	Author	Publisher
Requi red T extbo ok	명품자바프로그래밍	황기태, 김효수	생능출판사

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