

Syllabus [2025Year 1 Term]

Course Information

Course Title	Computer Networks and Cloud Computing	Credits	3
Course Code	557950-1	Required/Elective (For Undergraduate Courses)	Selective majors
Department or Major	Department of Software Science	Language	English
Methods of Teaching		Lecture Room	화9,10,11/ 목9,10,11(미디어509)
Time Allotment	Lecture(3) Experiments(0) Training & Practice(0) Performance(0) Designing & Planning(0)	Cyber Lectures	
Course Type	offline		

Lecturer

Lecturer	Name	Lee, Sang Bum	Rank	Professor	Final Academic Degree	공학박사
	Department & college	Department of Software Science		Office	Natural Science Hall 404	
	Office Phone Number	041-550-3462		e-mail	sblee@dankook.ac.kr	
	Field of Interest					

Course Summary

Course Description	<p>In this course, you will learn the basic theories and technical contents of computer networks and the Internet.</p> <p>Details covered in this course include basic data communication theory, data communication technology, network technology, communication protocols, network tools, TCP/IP-based internetworking, and server-client structure.</p> <p>As a course is based English lecture, all textbooks and lecture materials are provided in English, and some lectures are conducted in English.</p> <p>Lecture materials, assignments, and regular exam schedules are posted in web system of DKU.</p>
Description Related Courses	
Course Goals	

Projected Results	
Percentage of the original language classes(%)	

Syllabus

Times	Lecture Topic	Lecture Goals	Lecture Methods	Assignments
1	Introduction to computer networks and Internet			
2	Basic concept of Networks			
3	Application layer			
4	Application Layer and Http Protocol			
5	Transmission Layer and UDP			
6	Transmission Layer and TCP			
7	TCP & Socket Programming			
8	Mid-term Exam.			
9	Network Layer			
10	Routing Algorithms			
11	Routing Algorithms			
12	Data Link Layer			
13	Wireless Networks			
14	Cloud computing			
15	Final Exams.			

Methods of Grading

sequence	Description	Percentage	Details
1	Mid-term Exam	30%	
2	Final-exam	40%	
3	Pop Quizzes	0%	
4	Assignments	20%	
5	Reports	0%	
6	Presentations & Discussions	0%	
7	Attendance	10%	
All		100%	

sequence	Description	Percentage	Details
8		0%	
9	Others	0%	
All		100%	

Core of Value

핵심가치	전공역량	역량정의	역량구분	값(%)
혁신 (Discovery)	창의적문제해결 (Creative problem-solving)	주어진 상황과 문제를 창의적으로 해결할 수 있는 능력		20%
혁신 (Discovery)	도전 (Challenging)	전공 지식을 새로운 분야와 융합하고 아우를 수 있는 능력		0%
혁신 (Discovery)	지식융합 (Knowledge convergence)	새로운 분야를 개척하거나 도전적으로 임할 수 있는 능력		0%
헌신 (Dedication)	세계시민 (Universal value)	세계 공동체 구성원으로 전공자로서 국제적 이슈에 대응할 수 있는 능력		0%
헌신 (Dedication)	상호협력 (Cooperation)	공동의 목적 달성을 위해 타인과 상호협력할 수 있는 능력		0%
헌신 (Dedication)	공동체 (Sense of community)	공동체의 구성원으로서 필요한 태도와 윤리의식을 가질 수 있는 능력		0%
능동 (self-Determination)	자기주도 (Self-Managing)	주어진 상황과 문제를 주도적이고 능동적으로 해결할 수 있는 능력		30%
능동 (self-Determination)	지식활용 (Knowledge application)	주어진 상황과 문제에 대해 논리적으로 파악하고 분석할 수 있는 능력		50%
능동 (self-Determination)	논리적사고 (Logical thinking)	전공관련 지식을 필요에 따라 다양하게 적용하고 활용할 수 있는 능력		0%
능동 (self-Determination)	의사소통 (Articulation)	대화를 통해 다양한 의견을 조율하고 합의를 이끌어 낼 수 있는 능력		0%

Textbook(s) & References

Description	Title	Author	Publisher
no result			

Memo

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