

Hanyang International Winter School

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Course Information	Class N	lo.	ТВА	Course Code	Computer Networks	Credits	3	
	Course Name		Computer Networks					
	Lecture Schedule		Mon-Fri / 9:00~15:00					
	Course Description		This course introduces the fundamentals of network (Internet) architectures and methods. Our emphasis is placed on how the Internet works in general.					
	Course Objective		Introducing the fundamentals of network (Internet) architectures and methods: - fundamental concepts of networking and how they apply to the Internet - hands on experience with networking protocols and analysis techniques - how the Internet or DC are connected in general - up-to-date research issues (e.g., Data Center, Internet measurement)					
	Prerequisite		None					
	Materials/Textbooks		Course materials will be given in class.					
Evaluation	Attendance		10 %	Quiz		%		
	Assignment		10 %	Mid-term Ex	am	3	30 %	
	Presentation		%	Final Exan	n	4	40 %	
	Group Project		%	Participation	on	1	10 %	
	Etc.		Evaluation Item			Ratio		
			Midterm (Take Home Assignment)			30 %		
			Final Exam 40 %				40 %	
Daily Lecture Plan	Day 1	Introduct	tion to Networks: Protocol, Layering					
	Day 2	Introduction to Networks: ISPs, Internet Architecture						
	Day 3	Application Layer: Principles (RTT, Delay, Bandwidth), HTTP, DNS, others				S		
	Day 4	Transport Layer: Socket, TCP, UDP, Reliable Data Transfer Design I						
	Day 5 Midterm Transpor		Exams, Tt Layer: Reliable Data Transfer Design II, Congestion Control					
	Day 6	Network	ing Layer: Internet Protocol, Internet Routing Algorithms					
	Day 7	Networking Layer: Internet Routing Algorithms						
	Day 8	Data Link Layer: Multiple Access Protocol, Ethernet						
	Day 9	Final Exam						