Toyama College		Year 2022			Course Title	Communication Systems I			
Course	Informa	tion							
Course Co	ode	0104			Course Categor	y Specializ	zed / Elective		
Class For	mat	Lecture			Credits	School C	redit: 1		
Departme	Department Departme Engineeri		ent of Electronics and Computer ng		Student Grade	4th			
Term First Seme			ester Classes pe			eek 2			
Textbook Teaching									
Instructor		Aso Tsuka	sa						
Course	Objectiv	'es							
1)Explain 2)Explain	the netov	vrok commun P technology		and the protocol. d WAN communio	cations.				
Rubric									
			Ideal Level of A (Very Good)	Achievement	Standard Level of Achievement (Good)		Unacceptable Level of Achievement (Fail)		
Evaluation 1			Can explain the	system and the	Can explain the network communication system and the protocol correctly.		Can't explain the network communication system and the protocol correctly.		
Evaluation 2			Can explain the technology use WAN communi perfectly.		Can explain the technology used WAN communic	TCP/IP d in LAN and	Can't explain the TCP/IP technology used in LAN and WAN communications correctly		
Evaluation 3			Can explain the networking bas perfectly.		Can explain the networking bas correctly.		Can't explain the overview of networking based on TCP/IP correctly.		
JABEE B4	•	tment Obj 1	ectives						
Teachin	ig Metho	od							
Outline		network s	stems. This lec	ture provides the	basic knowlege a	about TCP/IP no	g of it is inevitable to operate etworking, which includes network in terms of hardware and software.		
Style		The lectur	e includes exerc	ises and practice	of programing, ir	n order to checl	the students' understanding.		
Notice		may be su	bjected to an ap	oproval test by re	or more rating. A equest. As the res y of the unit is re	ult of the appro	as a rating of less than 60 points val test, the evaluation is made to		
Charact	eristics	of Class / [<u>Division in Le</u>	arning					
☑ Active Learning			☐ Aided by IC	T	☑ Applicable to	cable to Remote Class Instructor Professionally Experienced			
Course	Dlan								
Course	1011	Т	heme			Goals			
1st Semeste r	1st Quarter		uidance			Can explain the lecture structure and the goals.			
		2nd B	isis of networking in TCP/IP			Can explain the basis of networking in terms of network topology, the OSI reference model and data transfer.			
		3rd B	isis of Ethernet LAN			Can explain the basis of Ethernet devices and the data transfer.			
		4th IF	addressing			Can explain the basis of IPv4 addressing.			
		5th S	ubnetting			Can explain the role of subnetting and the structure of address.			
		6th T	ne other protocols in the network layer.			Can explain ICMP and ARP in terms of the role and the data structure.			
		7th T	CP and UDP			Can explain the role and protocols.			
		8th E:	Exercise and practice			Can explain the overview of TCP/IP and IPv4			
	2nd Quarter		Midterm exam			Confirm the level of understandings.			
			lasis of Router and routing control.			Can explain the role of network layer in terms of			
						IP routing.			
			Basis of static routing Basis of dynamic routing			Can explain the routing table with static routing. Can explain the role of dynamic routing.			
			Basis of dynamic routing Basis of WAN			Can explain the role of dynamic routing. Can explain devices and protocols in WAN.			
			xercise and practice			Can explain the OSI reference model from physicsl layer to application layer.			
			nal exam			Can explain the OSI reference model and TCP/IP			
				final exam, class	questionnaire	in the practical netowk system. Can understand and recover the weak points of			
		ı jei	.C.			study.			

Evaluation Method and Weight (%)										
	Examination	Report	Mutual Evaluations between students	Behavior	Portfolio	Other	Total			
Subtotal	70	30	0	0	0	0	100			
Basic Ability	30	20	0	0	0	0	50			
Technical Ability	30	10	0	0	0	0	40			
Interdisciplinar y Ability	10	0	0	0	0	0	10			