熊	本高等専	門学校	開講年度	開講年度 平成28年度 (2016年度)			業科目	通信工学				
科目基礎	营情報			· · · ·								
科目番号 0013					科目区分 專		専門 / 選	択				
授業形態		授業				D種別と単位数 学修		単位: 2				
開設学科	2学科 制御情報システム工学科						4					
開設期		通牛 Llogd Fire		Andorran Duran D	週時間数	V)Teto	1	ng with TCD/ID \/elume_One;				
教科書/教	材	Pearson	New Internation	al Edition6th Editio	n nedetti,OREILL	r)Inter	networki	ng with TCP/IP volume One:				
担当教員	_	嶋田 泰幸										
到達目標	到達目標											
Students 1. concep 2. TCP/IP 3. how DI 4. networ	will be able ots of comp layer mod HCP/DNS v rk security	e to unders outer netwo le works threats	tand/explain rking.									
ルーブリック												
			理想的な到達し	~ベルの目安	標準的な到達レベルの目安			未到達レベルの目安				
Local Are	a Network		Understand co Area network labs.	oncept of Local and build a LAN in	Understand concept of Local Area network.			Cannot understand concepts of computer networking.				
DHCP			Understand concept of DHCP and how DHCP server works, transactions on networking, and set up a DHCP server.			ncept o ' server	f DHCP works.	Cannot understand concept of DHCP and how DHCP server works.				
Web			Understand h works, transa networking, a server.	ow web server ctions on nd set up a web	Understand how web server works.			Cannot understand how web server works.				
学科の至	リ達目標項	目との関	係									
本科(準学 3-3	学士課程)て	の学習・教	育到達目標 2-1 本	☆科(準学士課程)で	の学習・教育到達	を目標3	-2 本科(	準学士課程)での学習・教育到達目標				
教育方法												
概要		The subj protocol structure protocol.	ct covers fundamental concepts of networking techniques and TCP/IP which is a computer network or computer networking. Especially, this subject focuses on a basic concept of computer network The subject aims to introduce fundamental concepts of computer network structure and TCP/IP It will also equip students with the necessary skills to control network flow.									
授業の進め	り方・方法	Students	have to attend not only classes but also labs. In the lab, students are requested to do several tasks									
注意点		In the se conduct October.	e second semester, a staff of affiliated/partner institution will be invited to Kumamoto College and will uct labs in English. The lab s will be conducted intensively from the beginning of October to mid of ber.									
授業計画	IJ											
j		週				週ごと	の到達目標	<b>五</b> 示				
前期	1stQ	1週	Introduction to a	computer networkin	ng(1)	Students will be able to describe the concept of computer networking.						
		2週	Network protoco	vork protocol and the concept of TCP/IP(1)				Students will be able to know the importance of network protocol and TCP/IP.				
		3週	Network protoco	and the concept of	of TCP/IP(2)	Same	as above					
		4週	Layer structure(	1)		Studer structu	nts will be ire.	able to describe network layer				
		5週	Layer structure(	2)		Same	as above	•				
		6週	IP and network	address		Studer	Students will be able to describe the importan					
		7週	Mid-term test			The air	e aim of this mid-term test is to assessing idents' understandings.					
		8週	IP and network	and network address(2)			nts will be able to describe the importanc					
	2ndQ	9週	TCP and UDP(1)			Studer UDP.	dents will be able to describe role of TCP a					
		10週	TCP and UDP(2)			Same as above.						
		11週	Routing(1)			Students will be able to describe how to cor network flow.						
		12週	Routing(2)			Same as above.		•				
		13週	DNS(1)			Students will be able to explain the function						
		14週	DNS(2)			Same as above.						
		15週	Secure system			Studer	e able to know a secure computer tem.					
		16週										
谷田	3rd0	1週	Lab(1)			Studer	nts will be	e able to build a LAN.				
1友册	SIUQ	2週	Lab (2)			Same	as above	•				

		3週	Lab (3)						Students will be able to check if the LAN is active or not using special commands on a computer.						
		4週	Lab (4)						Same as above.						
		5週	Lab (5)						Students will be able to set IP address individually.						
		6週		(6)			Same as above.								
		7週	Lab	(7)					Students will be able to check if firewall works or not.						
		8週	Lab (8)						Same as above.						
		9週	Lab (9)						Students will be able to set up a DHCP server.						
		10週	Lab (10)						Same as above.						
		11週	Lab (11)						Students will be abl to set up a Web server.						
		12週	Lab (12)						Same as above.						
4th	٦Q	13週 L   14週 L   15週 C		[13]			Students will be able to build a wireless network.								
				(14)			Same as above.								
				Complerensive Lab					The aim of this lab is to assessing students' understandings.						
		16週													
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分類		分野		学習内容	学習内容の到達目標			到達レベル 打				授業週			
	試懸	弌験		表	相互評価	相互評価			ポートフォリオ	その他	合計				
総合評価割合	40	40			0	0			0	60	)		)		
基礎的能力	0	0			0		0		0 0			0			
専門的能力	40	40			0		0		0 60			100			
分野横断的能力	カ 0	0			0		0		0 0			0			