		i College		Electr Engin Engin	ical an eering eering	d Computer Computer Course	Year	2020		
Dep	ar	tment Goals	I		ı	Tr			1	
Cours e Categ ory		Course Title	Cours e Code	Credit Type	Credit s	Class Hours per Week 1st Year 2nd Year 1st 2nd 1st 2nd 1 2 3 4 4 2 3 4 Q Q Q Q Q Q Q Q Q	1st 2nd 1	Sth Year Sth Year	Instru ctor	Divisio n in Learni ng
Ge m	u 50	Japanese IV	5401	Acade mic Credit	2		2	2	ZENT OH Masas hi	
Ge m	io n iu so	Physical Education IV- 1	5402	School Credit	1]]]] 2	2	GOTO H Takay uki,KO BAYAS HI Yuki	
Ge n	u 50	Physical Education IV- 2	5403	School Credit	1			2	GOTO H Takay uki,MA EDA Tadan ori	
Ge m ne p ral ls	u 50	English IV A	5404	School Credit	1]]]] 2	2	AKIMO TO Hiromi	
Ge m	o n u so	English IV B	5405	School Credit	1			2	MORI MOTO Nana	
Ge m ne p ral ls	u 50	Advanced English I	5406	School Credit	1		2	2	HERBE RT John C.	
Ge n	u 50	Advanced English II	5407	School Credit	1			2	HERBE RT John C.	
Ge ne ti	iV	Chinese-1	5408	School Credit	1]]]] 2	2	ARIKA WA Kei	
Ge e ti ral e	iv	Chinese-2	5409	School Credit	1			2	ARIKA WA Kei	
Ge e ti e	iv	German-1	5410	School Credit	1		2	2	YOKO TA Kazuy a	
Ge e ti ral e	C V	German-2	5411	School Credit	1			2	YOKO TA Kazuy a	
Ge ne ti e	C V	French-1	5412	School Credit	1]]]] 2	2	FUJIM OTO Tomo nari	
Ge ne ti	C V	French-2	5413	School Credit	1			2	FUJIM OTO Tomo nari	
Ge ne ti	iv	Mathematical Concepts	5414	School Credit	1			2	MATS UMIYA Atusi	
Ge e ti ral e	i C iv	Overseas Training II	5415	School Credit	1		1	. 1	All faculty of the depart ment	

Ge ne ral	Co m pu Iso ry	Japanese IV-1	5416	School Credit	1	KUBO TA Ikumi
Ge ne ral	Co m pu iso ry	Japanese IV-2	5417	School Credit	1	TANG E Atsuko
Sp eci ali ze d	Co m pu lso ry	Co+workⅢA	5418	School Credit	1	All faculty
Sp eci ali ze d	Co m pu lso ry	Co+workⅢB	5419	School Credit	1	All faculty
Sp eci ali ze d	Co m pu iso ry	Applied Physics I	5420	School Credit	1	OGAS AWAR A Hiromi chi
Sp eci ali ze d	Co m pu lso ry	Electronic Circuits I	5421	School Credit	1	OHMU KAI Masat o
Sp eci ali ze d	Co m pu so ry	Preliminaries to Graduation Thesis	5422	School Credit	1	All faculty of the depart ment
Sp eci ali ze d	Co m pu iso ry	Discrete Mathematics A	5423	School Credit	1	HAMA DA Yukihir o
Sp eci ali ze d	Co m pu lso ry	Discrete Mathematics B	5424	School Credit	1	HAMA DA Yukihir o
Sp eci ali ze d	Co m pu lso ry	Computer Architecture	5425	Acade mic Credit	2	NOMU RA Hayat o
Sp eci ali ze d	Co m pu iso ry	Computer Programming III A	5426	School Credit	1	HIRAN O Masat sugu
Sp	Co m pu lso ry	Computer Programming III B	5427	School Credit	1	HIRAN O Masat sugu
Sp eci ali ze d	Co m pu so ry	Operating System	5428	School Credit	1	NOMU RA Hayat o
Sp eci ali ze d	Co m pu lso ry	Data Structures and Algorithms	5429	Acade mic Credit	2	HAMA DA Yukihir o
Sp	Co m pu	Experiments of Computer Engineering I A	5430	School Credit	2	TERAS AWA Shinic hi, INO UE Kazun ari, HI RANO Masat sugu, NOMU RA Hayat o,

						NAKAI
Sp eci ali ze d	pu	Experiments of Computer Engineering I B	5431	School Credit	2	Yuichi, TERAS AWA Shinic hi,ENO MOTO Ryuji
Sp eci ali ze d	El ec tiv e	Off-Campus Practical Training A	5432	School Credit	1	All faculty of the depart ment
Sp eci ali ze d	El ec tiv e	Off-Campus Practical Training B	5433	School Credit	2	All faculty of the depart ment
Sp eci ali ze d	El ec tiv e	Electromagnetics II A	5434	School Credit	1	OHMU KAI Masat o
Sp eci ali ze d	El ec tiv e	Electromagnetics II B	5435	School Credit	1	OHMU KAI Masat o
Sp eci ali ze d	El ec tiv e	Applied Mathematics A	5436	School Credit	2	OGAS AWAR A Hiromi chi
Sp eci ali ze d	El ec tiv e	Applied Mathematics B	5437	School Credit	2	OGAS AWAR A Hiromi chi
Sp eci ali ze d	El ec tiv e	Applied Physics II	5438	School Credit	1	NAKA NISHI Hirosh i
Sp eci ali ze d	El ec tiv e	Transient Analysis on Electric Circuits	5439	School Credit	1	SUYA MA Taikei
Sp eci ali ze d	El ec tiv e	Electronic Circuits II	5440	School Credit	1	OHMU KAI Masat o
Sp eci ali ze d	El ec tiv e	Control Engineering I	5441	Acade mic Credit	2	ENOM OTO Ryuji
Ge ne ral	Co m pu lso ry	English Conversation II	6501	School Credit	1	HERBE RT John C.
Ge ne ral	Co m pu lso ry	English V	6502	Acade mic Credit	2	
Ge ne ral	Co m pu lso ry	Advanced English III	6503	School Credit	1	HERBE RT John C.
Ge ne ral	Co m pu lso ry	Advanced English IV	6504	Acade mic Credit	2	HERBE RT John C.
Ge ne ral	El ec tiv e	Introduction to Japanese Language and Communication	6505	Acade mic Credit	2	TANG E Atsuko
Ge ne ral	El ec tiv e	Law	6506	Acade mic Credit	2	

Ge ne ral	El ec tiv e	Philosophy	6507	Acade mic Credit	2		ARAK AWA Hirono ri
Ge ne ral	El ec tiv e	Biophysical Chemistry	6508	School Credit	1		INOUE Tsuto mu
Ge ne ral	El ec tiv e	Scientific Technology and the Environment	6509	School Credit	1		IMAI Ryoich i
Ge ne ral	El ec tiv e	Sports Science I	6510	School Credit	1		GOTO H Takay uki,MA EDA Tadan ori
Ge ne ral	El ec tiv e	Sports Science II	6511	School Credit	1		GOTO H Takay uki,IS HIDA Masa mi
Ge ne ral	El ec tiv e	TOEICI	6512	School Credit	1		INOUE Hideto shi
Ge ne ral	El ec tiv e	TOEICI	6513	School Credit	2		INOUE Hideto shi
Ge ne ral	El ec tiv e	TOEICII	6514	School Credit	3	3 3	INOUE Hideto shi
Ge ne ral	El ec tiv e	Overseas Training III	6515	School Credit	1		All faculty of the depart ment
Sp eci ali ze d	Co m pu lso ry	Intellectual Property Rights	6516	School Credit	1		MORIS ADA Yuji
Sp eci ali ze d	Co m	Computer Simulation	6517	School Credit	1		OHMU KAI Masat o
Sp eci ali ze d	Co m pu lso ry	Graduation Thesis	6518	School Credit	9	6 12	All faculty of the depart ment ,NAKA NISHI Hirosh i
Sp eci ali ze d	Co m pu lso ry	Probability and Statistics	6519	Acade mic Credit	2		HAMA DA Yukihir o
Sp eci ali ze d	Co m pu iso ry	Information Theory	6520	School Credit	1		TSUC HIDA Takay uki
Sp eci ali ze d	Co m pu lso ry	Compiler	6521	School Credit	1		MIURA Kinya
Sp eci ali ze d	Co m pu iso ry	Software Engineering	6522	School Credit	1		TSUC HIDA Takay uki
Sp eci ali ze d	Co m pu iso ry	Information Network	6523	School Credit	1		INOUE Kazun ari

Sp eci ali ze d	Co m pu lso ry	Advanced Information Networks	6524	School Credit	1	INOUE Kazun ari	
Sp eci ali ze d	Co m pu lso ry	Database	6525	School Credit	1	TSUC HIDA Takay uki	
Sp eci ali ze d	Co m pu lso ry	Artificial Intelligence	6526	School Credit	1	MIURA Kinya	
Sp eci ali ze d	Co m pu lso ry		6527	School Credit	2	HAMA DA Yukihir o	
Sp eci ali ze d	El ec tiv e	Fundamentals of Communication Systems	6528	Acade mic Credit	2		
Sp eci ali ze d	El ec tiv e	Communication System	6529	School Credit	1		
Sp eci ali ze d	El ec tiv e	Control Engineering II	6530	School Credit	1	KAMI Yasus hi	
Sp eci ali ze d	El ec tiv e	Application of Electronics	6531	School Credit	1	OHMU KAI Masat o	
Sp eci ali ze d	El ec tiv e	Image Engineering	6532	Acade mic Credit	2	HIRAN O Masat sugu	
Sp eci ali ze d	El ec tiv e	Qualifications in Computer Engineering I	6533	School Credit	1	TSUC HIDA Takay uki	
Sp eci ali ze d	El ec tiv e	Qualifications in Computer Engineering II	6534	School Credit	1	TSUC HIDA Takay uki	

А	kashi Co	llege	Year	2023		Course Title	Japanese IV					
Course	Informat	tion										
Course Co	ode	5401			Course Categor	y General	/ Compulsory					
Class Forr	mat	Lecture			Credits	Academi	c Credit: 2					
Departme	ent	Computer	nd Computer I Engineering Co		Student Grade	4th						
Term Textbook	and/or	First Seme			Classes per Wee	ek 2						
Teaching Instructor	Materials		野田尚史・森口稔著:日本語を話すトレーニング(ひつじ書房) 									
	Objectiv											
1) 報告・論文を、整 2) 作成した報告・論 3) 課題に応じ、根拠		理した情報を 文の内容およ	び自分の思いや	が効果的に伝わるよ 考えを、的確に口頭	うに論理の構成や原 発表することができ	展開を工夫し、作 きる。	成することができる。					
Rubric												
			理想的な到達し	バルの目安	標準的な到達レク	ジルの目安	未到達レベルの目安					
評価項目1			やすく、論理的	見・報告を分かり 」・実証的、レイア :レジメに作成でき	明確な結論・意見 やすく、論理的・ に作成できる。	・報告を分かり 実証的なレジメ	結論・意見・報告を示す材料は上 げられるが構成・レイアウトに不 備がある。					
評価項目2			優れたプレゼン	・わかりやすさに デーションができ ほに答えることがで	準備されたプレセ できるが、質問に 切な回答ができな	-対して即座に適	読み合わせに近いプレゼンテーションとなっている。					
評価項目3			テーマに即した、簡潔・論理的。	意味のある発言がり、実証的にできる	テーマに合った、 だが、冗長となっ	意味のある発言 っている。	テーマから外れてはいないが、未 整理な発言内容である。					
Assigne	d Depart	tment Obj	ectives									
Teachin	g Metho	<u>d</u>										
Outline		一での諸問題	設問に従った学! を取り上げ、日! とを目標とする!	本語の表現と日本人の	対する質疑応答をF の発想の特徴につい	中心に授業を進行 ハて、知識の整理	する。日本語を使用する様々な場面 、自発的な考察、適切な実践により					
Style		講義形式。 の習得をは		テーション(A41枚	(のレジメを使用)	と質疑応答を中心	いに、各テーマの理解とプレゼン技術					
Notice		90時間に相 事前学習を と。なお適	当する学習内容 含め、発表と質! 官、資料を配付	である。	り組み、国語表現() する。		標準的な自己学習時間の総計が、 術を確実に習得するよう心がけるこ					
Charact	eristics o	of Class / [Division in Le	earning								
☐ Active	Learning		☐ Aided by I	СТ	☑ Applicable to	Remote Class	☐ Instructor Professionally Experienced					
Course	Plan	ı										
			neme			Goals						
		1st 授	リエンテーショ 業の概要 表予定の立案	ン		レジメの作成の仕方、プレゼン注意、それぞれの評価 基準が理解できる。						
		2nd \	い合わせをする レーニング 1 の 記問題点の考察	発表と質疑応答 と整理		「問い合わせ」のテーマを理解し、必要な技術(話し方・5 W 2 H・タイミングなど)を中心としたレジメを作成し、プレゼンテーションすることができる。						
		3rd	願いをする レーニング3の 記問題点の考察	発表と質疑応答 と整理		・タイミング・話	- 一マを理解し、必要な技術(気配り 6し方など)を中心としたレジメを作 - 一ションすることができる。					
1st Quarter 1st Semeste		4th	う・断る・謝る レーニング 5 の 記問題点の考察	発表と質疑応答		り・タイミング・	5テーマを理解し、必要な技術(気配 話し方)を中心としたレジメを作成 -ションすることができる。					
		5th	ピーチをする レーニング 9 の 記問題点の考察			しい内容・話した	-ーマを理解し、必要な技術(ふさわ 5)を中心としたレジメを作成し、プ ッすることができる。					
r		6th 文	書作成の基礎的	技術(図表・引用)		図表の作成の仕方	5、引用の仕方を適切に行える					
		7th ト	さしい日本語 レーニング12 記問題点の考察	の発表と質疑応答 と整理		(語選択・異文化	5」のテーマを理解し、必要な技術 2理解・マナーなど)を中心としたレ プレゼンテーションすることができる					
		8th ト	議で発言する(1 レーニング 1 0 記問題点の考察	の発表と質疑応答		見整理・決定の位	のテーマを理解し、必要な技術(意 上方・会議進行など)を中心としたレ プレゼンテーションすることができる					
	2nd Quarter	 9th 上	レーニング 1 3 記問題点の考察	1)+プレゼンテーシ の発表と質疑応答 と整理やさしい日本 の発表と質疑応答 と整理	語	。 上記に加え、「フ し、必要な技術 したレジメを作成 できる。	プレゼンテーション」のテーマを理解 (材料選択・資料作成など) を中心と むし、ブレゼンテーションすることが					

	10th	プレゼンテーショントレーニング13 <i>0</i> 上記問題点の考察と)発表と質疑応答		「プレゼンテーシ 術(材料選択・資 作成し、プレゼン	ョン」のテーマを ³ 料作成など)を中 [,] テーションするこ。	理解し、必要な技 心としたレジメを とができる。
	11th	研究発表(1) トレーニング140 上記問題点の考察と)発表と質疑応答 :整理		ド・質疑応答など	ーマを理解し、必!) を中心としたレ: することができる。	ジメを作成し、プ
	12th	研究発表(2)+面接 トレーニング150 上記問題点の考察と	(1))発表と質疑応答 :整理		「面接」のテーマを 種類別の基準・自 ジメを作成し、プ	を理解し、必要な! 己紹介の仕方など! レゼンテーション)を中心としたレー
	13th	面接(2) トレーニング15の 上記問題点の考察と)発表と質疑応答 :整理		「面接」のテーマ 質問を通じたPRな プレゼンテーショ	を理解し、必要な! :ど)を中心とした ンすることができ	レジメを作成し、
	14th	アカデミックライラ の構成)	-ィングの基礎(研	究計画書・論文	研究計画の作成の ることができる	仕方、論文の書き	方の基本を理解す
	15th	レポート・論文の作論証・例示)	F成の仕方(パワー	ライティング・	文章の構成、論証	、適切な例示の示	し方を理解できる
	16th	期末試験					
Evaluation M	lethod and \	Weight (%)					
	試験	発表	相互評価	態度	ポートフォリオ	その他	Total
Subtotal	ubtotal 50		0	0	0	0	100
基礎的能力	基礎的能力 50		0	0	0	0	100
専門的能力	専門的能力 0		0	0	0	0	0
分野横断的能力	0	0	0	0	0	0	0

А	kashi Co	ollege	Year	2023			ourse Title	Physical Education IV-1
Course	Informa	tion						
Course Co	ode	5402			Course Category	У	General ,	/ Compulsory
Class For	mat	Skill			Credits School Credit: 1			redit: 1
Departme	ent		l and Computer I er Engineering Co		Student Grade 4th			
Term		First Sen		Classes per Wee	ek	2		
Textbook	and/or					<u> </u>	1-	
Teaching								
Instructor			Takayuki,KOBAY	ASHI Yuki				
Particip Can tal	ke action t	ses to imp	sports safely. Also	vn health and physo, recognizes the s	sical strength. Als ignificance of coll	so, hav labora	ve some le ting and o	evel of self-discipline. cooperating with the team and can
Rubric								
			Ideal Level		Standard Level			Unacceptable Level
Achievem	ent 1		improve their	ath. Have a high	Participate in cla their health and strength. Have s self-discipline.	l physi	ical [·]	e Do not participate in classes. Do not strive to improve their health and physical strength. Have a poor level of self-discipline.
Achievem	ent 2		sport practices	ipate in various s and games, and petitive. Also have nce on games, etc.	Can participate practices and ga		ious sport	·
Achievem	ent 3			nd can play or le of a leader.	Understand the but cannot play			Do not understand the role of a leader. Also, never play that role.
Assigne	d Depar	tment Ob	jectives					
Teachin	g Metho	d						
Outline		the habit Students content.	t of playing sport s will split into gr Students can ch	of this course is for students to learn more about the fun and depth of sports so that they can be of playing sports on a daily basis. This class requires an active and proactive attitude to particip will split into groups and leaders will take the lead to plan, review, and implement the course students can choose from: Baseball, softball, soccer, futsal, tennis, basketball, volleyball, badmi is, training, flying disc				
Style		the basic	skills they learn k while collabora	ed in previous yea ating and cooperat	rs. They are also ing with your tear	encou m with	uraged to h your lea	e rules, how to play games, and experience the fun of enhancing der in the center. Students should s support their effort.
Notice		grade. Do no grade de Tardir but their If it is that clas absence.	t wear or bring a duction. less will be excu- attendance will discovered that s will be marked	accessories, watchesed for the first 20 be marked as abse a student left class	es, or any other u minutes. Studen ent. s early without be eir grade for prev	unnece its can eing ex vious c	essary iter participa xcused (di lasses wil	nts will be deducted from their ms. These are also eligible for te in the class after 20 minutes, itching class), their attendance for I suffer a deduction equal to an in.
Charact	eristics o		Division in Le					
☑ Active			☐ Aided by I		☑ Applicable to	Remo	ote Class	☐ Instructor Professionally Experienced
Course	Plan							
			Theme			Goals		
		1st	Guidance Baseball, softbal basketball, volley training, flying d	l, soccer, futsal, te ball, badminton, t isc	ahlo tonnic		e. Split int	purposes and objectives of this o teams in each sport and select a
		2nd	Baseball, softbal basketball, volley training, flying d	l, soccer, futsal, te yball, badminton, t isc	able tennis,	Can do warm-up and practice, play games, and reflect on the class, led by a leader.		p and practice, play games, and ass, led by a leader.
1st		3rd	basketball, volley training, flying d		able tennis,	Can do	o warm-u on the cl	p and practice, play games, and ass, led by a leader.
Semeste r	1st Quarter	4th	basketball, volley training, flying d		able tennis,	Can do	o warm-u on the cl	p and practice, play games, and ass, led by a leader.
		5th	basketball, volley training, flying d		able tennis,	Can do	o warm-u on the cl	p and practice, play games, and ass, led by a leader.
		6th	basketbáll, volley training, flying d		able tennis,	Can do reflect	o warm-u on the cl	p and practice, play games, and ass, led by a leader.
		7th	Baseball, softbal basketball, volley training, flying d	l, soccer, futsal, te yball, badminton, t isc	abla tannia	Can do	o warm-u on the cl	p and practice, play games, and ass, led by a leader.

		8th	Baseball, softball, soc basketball, volleyball, training, flying disc	cer, futsal, tennis, badminton, table tennis,	Can do warm-up reflect on the clas	and practice, play games, and es, led by a leader.			
		9th	Baseball, softball, soc basketball, volleyball, training, flying disc	cer, futsal, tennis, badminton, table tennis,	Split into teams in	n each sport and select a leader.			
		10th	Baseball, softball, soc	cer, futsal, tennis, badminton, table tennis,	er, futsal, tennis, adminton, table tennis, Can do warm-up and practice, play or reflect on the class, led by a leader.				
		11th	Baseball, softball, soc basketball, volleyball, training, flying disc	cer, futsal, tennis, badminton, table tennis,	Can do warm-up reflect on the clas	and practice, play games, and ss, led by a leader.			
	2nd Quarter	12th	Baseball, softball, soc basketball, volleyball, training, flying disc	cer, futsal, tennis, badminton, table tennis,	Can do warm-up reflect on the clas	and practice, play games, and ss, led by a leader.			
	-	13th	Baseball, softball, soc basketball, volleyball, training, flying disc	cer, futsal, tennis, badminton, table tennis,	Can do warm-up reflect on the clas	and practice, play games, and ss, led by a leader.			
		14th	Baseball, softball, soc basketball, volleyball, training, flying disc	cer, futsal, tennis, badminton, table tennis,	Can do warm-up reflect on the clas	and practice, play games, and ss, led by a leader.			
		15th	Baseball, softball, soc basketball, volleyball, training, flying disc	cer, futsal, tennis, badminton, table tennis,		and practice, play games, and ss, led by a leader.			
		16th	No final exam						
Evaluation Method a			nd Weight (%)						
			Approach to a class	Practical skill	Leadership	Total			
Subtotal			75	15	10	100			
Basic Proficiency 75			75	0	0	75			
Specialized	d Proficier	псу	0	0	0	0			
Cross Area	a Proficien	су	0	15	10	25			

А	kashi Co	ollege	Year	2023			ourse Title	Physical Education IV-2	
Course	Informa	tion							
Course Co	ode	5403			Course Category	У	General /	' Compulsory	
Class For	mat	Skill			Credits School Credit: 1			redit: 1	
Departme	ent		l and Computer I er Engineering Co	Student Grade		4th			
Term			Semester	Juise	Classes per Wee	ek	2		
Textbook	and/or	- Second 6	501105001		Telasses per Tree		-		
Teaching									
Instructor			Takayuki,MAEDA	Tadanori					
	Objectiv		rove students' ov	wn health and phys	sical strength Als	so hav	re some le	evel of self-discipline.	
Can tall take the r	ke action t	o conduct s action to do	sports safely. Also	o, recognizes the s	ignificance of coll	labora	ting and o	cooperating with the team and can	
Rubric			1		T				
			Ideal Level		Standard Level			Unacceptable Level	
Achievem	ent 1		improve their	gth. Have a high	Participate in cla their health and strength. Have self-discipline.	l physi	ical ·	Do not participate in classes. Do not strive to improve their health and physical strength. Have a poor level of self-discipline.	
Achievem	ent 2		sport practices	cipate in various s and games, and petitive. Also have nce on games, etc.	Can participate practices and ga		ious sport	Do not participate in various sport practices and games.	
Achievem	ent 3			nd can play or ble of a leader.	Understand the but cannot play			Do not understand the role of a leader. Also, never play that role.	
		tment Ob	jectives						
Teachin	g Metho	<u>d</u>							
Outline		the habit Students content.	t of playing sport s will split into gr Students can ch	of this course is for students to learn more about the fun and depth of sports so that they can be of playing sports on a daily basis. This class requires an active and proactive attitude to participal will split into groups and leaders will take the lead to plan, review, and implement the course students can choose from: Baseball, softball, soccer, futsal, tennis, basketball, volleyball, badmin is, training, flying disc					
Style		the basic	ents are encouraged to improve their skills through games based on the rules, how to play game asic skills they learned in previous years. They are also encouraged to experience the fun of enl work while collaborating and cooperating with your team with your leader in the center. Studen the initiative in creating a safe and welcoming class, and the instructors support their effort.						
Notice		grade. Do no grade de Tardir but their If it is that clas absence.	ot wear or bring a eduction. ness will be excu- attendance will discovered that s will be marked	accessories, watch sed for the first 20 be marked as abse a student left class	es, or any other u minutes. Studen ent. s early without be eir grade for prev	unnece its can eing ex vious c	essary iter participa ccused (di lasses wil	nts will be deducted from their ms. These are also eligible for te in the class after 20 minutes, tching class), their attendance for suffer a deduction equal to an	
Charact	eristics	of Class /	Division in Le	earning					
☑ Active			☐ Aided by I		☑ Applicable to	Remo	ote Class	☐ Instructor Professionally Experienced	
Course	Plan								
			Theme		(Goals			
		1st	Guidance Baseball, softbal basketball, volley training, flying d	l, soccer, futsal, te yball, badminton, t isc	ahla tannis		e. Split int	purposes and objectives of this o teams in each sport and select a	
		2nd	Baseball, softbal basketball, volley training, flying d	l, soccer, futsal, te yball, badminton, t isc	abla tannia l'	Can do warm-up and practice, play games, and reflect on the class, led by a leader.			
2nd		3rd	basketball, volley training, flying d		able tennis,	Can do	o warm-u on the cl	p and practice, play games, and ass, led by a leader.	
Semeste r	3rd Quarter	4th	basketball, volley training, flying d		able tennis,	Can do	o warm-u on the cl	p and practice, play games, and ass, led by a leader.	
		5th	basketball, volley training, flying d		able tennis,	Can do	o warm-u on the cl	p and practice, play games, and ass, led by a leader.	
		6th	basketball, volley training, flying d		able tennis,	Can do	o warm-u on the cl	p and practice, play games, and ass, led by a leader.	
		7th	Baseball, softbal basketball, volley training, flying d	l, soccer, futsal, te yball, badminton, t isc	abla tannia 🔠	Can do	o warm-u on the cl	p and practice, play games, and ass, led by a leader.	

	8th	Baseball, softball, soc basketball, volleyball, training, flying disc	cer, futsal, tennis, badminton, table tennis,	Can do warm-up and preflect on the class, led	ractice, play games, and by a leader.
	9th	Baseball, softball, soc basketball, volleyball, training, flying disc	cer, futsal, tennis, badminton, table tennis,	Split into teams in each	sport and select a leader.
	10th	Baseball, softball, soc basketball, volleyball, training, flying disc	cer, futsal, tennis, badminton, table tennis,	Can do warm-up and preflect on the class, led	ractice, play games, and by a leader.
	11th	Baseball, softball, soc basketball, volleyball, training, flying disc	cer, futsal, tennis, badminton, table tennis,	Can do warm-up and preflect on the class, led	ractice, play games, and by a leader.
4th Quarter	12th	Baseball, softball, soc basketball, volleyball, training, flying disc	cer, futsal, tennis, badminton, table tennis,	Can do warm-up and preflect on the class, led	ractice, play games, and by a leader.
	13th	Baseball, softball, soc basketball, volleyball, training, flying disc	cer, futsal, tennis, badminton, table tennis,	Can do warm-up and preflect on the class, led	ractice, play games, and by a leader.
	14th	Baseball, softball, soc basketball, volleyball, training, flying disc	cer, futsal, tennis, badminton, table tennis,	Can do warm-up and preflect on the class, led	ractice, play games, and by a leader.
	15th	Baseball, softball, soc basketball, volleyball, training, flying disc	cer, futsal, tennis, badminton, table tennis,	Can do warm-up and preflect on the class, led	ractice, play games, and by a leader.
	16th	No final exam			
Evaluation Method a		nd Weight (%)			
		Approach to a class	Practical skill	Leadership	Total
Subtotal	•	75	15	10	100
Basic Proficiency		75	0	0	75
Specialized Proficie	ncy	0	0	0	0
Cross Area Proficie	ncy	0	15	10	25

Д	kashi C	ollege	Year	2023		Course Title	English IV A	
Course	Informa	tion						
Course Co	ode	5404			Course Catego	ry General	/ Compulsory	
Class For	mat	Lecture			Credits	School C	Credit: 1	
Departme	ent		l and Computer I er Engineering Co		Student Grade	4th		
Term		First Sen	nester		Classes per We	eek 2		
Textbook Teaching	Materials	+ -		OataBase (3) Next	Stage			
Instructo		AKIMOTO	J Hiromi					
(1) Improusing a m (2) Impro (3) Under	novie-orier ove Enalish	glish listenir nted textboo n vocabulary cure and hist	ok. v and grammar:	Retain basic Englis	sh skills through	learning English	listening and reading exercises words and grammatical elements f American social issues and	
Rubric			ı					
			Ideal Level		Standard Level		Unacceptable Level	
Achievem	ent 1		Can fully impr English profici listening and i		Can improve proficiency throand reading ex	ough listening	Cannot improve practical English proficiency through listening and reading exercises.	
Achievem	ent 2		Can fully impr vocabulary the English vocab	rough learning	Can improve E through learnir vocabulary.	nglish vocabular ng English	y Cannot improve English vocabulary through learning English vocabulary.	
Achievem	ent 3		the logical thin	d skills, including nking and	the logical thin international pe	l skills, including king and	the logical thinking and international perspective	
Assigne	d Depar	tment Ob						
Teachin	g Metho	od	-					
Outline		(1) The a	aim is to improve	e practical English	proficiency throu	igh a movie-orie	ented textbook.	
		- ` ' 					t to oral speech in English. ok and do practice questions for	
Style		each unit	t.	tests. Lessons exp	іані ше кеў рон	its in the textbo	ok and do practice questions for	
Notice		Students Course s	who miss 1/4 o	r more of classes vorovided in the first	will not be eligibl week. Be sure	e for evaluation to understand i	n detail.	
Charact	eristics	of Class /	Division in Le	earning				
□ Active	Learning	·	☐ Aided by I	СТ	☑ Applicable t	o Remote Class	☐ Instructor Professionally Experienced	
Course	Dlan							
Course	Pian		 Theme			Goals		
		1st	Class guidance Explain how clas	ses will be conduct	ted, vocabulary	Gain a proper ι	understanding on the class content ts, and plan ahead.	
		2nd	, ,	nents grading syste English-speaking c	,	Improve vocabulary, grammar, and listening and reading skills through video		
				ening and reading	on the topics	Improve vocab	ulary, grammar, and listening and ollowing the topics of the textbook.	
	1st Ouarter	4th	Unit 2: Learn list	ening and reading	on the topics	reading skills for	ulary, grammar, and listening and ollowing the topics of the textbook.	
	Quarter	Sui		ening and reading	·	reading skills fo	ulary, grammar, and listening and illowing the topics of the textbook.	
			Learn culture of videos	English-speaking c	countries with	reading skills th		
1st Semeste		7th	Unit 4: Learn list	ening and reading	on the topics	reading skills fo	ulary, grammar, and listening and blowing the topics of the textbook.	
r		8th	Unit 5: Learn list	ening and reading	on the topics	reading skills for	ulary, grammar, and listening and ollowing the topics of the textbook.	
		9th	Unit 6: Learn list	ening and reading	on the topics	Improve vocab reading skills fo	ulary, grammar, and listening and ollowing the topics of the textbook.	
			Learn culture of videos	English-speaking c	countries with	Improve vocab reading skills th	ulary, grammar, and listening and nrough video	
	2nd Ouarter	11th	Unit 7: Learn list	ening and reading	on the topics		ulary, grammar, and listening and ollowing the topics of the textbook.	
	Qualter	12th	Unit 8: Learn list	ening and reading	on the topics	reading skills fo	ulary, grammar, and listening and Illowing the topics of the textbook.	
		13th	Unit 9: Learn list	ening and reading	on the topics	Improve vocab reading skills fo	ulary, grammar, and listening and ollowing the topics of the textbook.	
		14th ,	Learn culture of videos	English-speaking c	countries with	Improve vocab reading skills th	ulary, grammar, and listening and nrough video	

	15th	Q&A for the final	Q&A for the final exam			Reflect on the class content so far, and review and answer to questions for the periodic exam.		
	16th	The final exam			Test their understanding of the class content so far.			
Evaluation N	Method and	Weight (%)						
	Examination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Quizes	Total	
Subtotal	50	0	0	0	0	50	100	
Basic Proficiency	50	0	0	0	0	50	100	
Specialized Proficiency	0	0	0	0	0	0	0	
Cross Area Proficiency	0	0	0	0	0	0	0	

Д	Akashi Co	ollege	Year	Year 2023		Course Title	English IV B		
Course	Informa	tion							
Course Co		5405			Course Category		Compulsory		
Class For	mat	Lecture	1.6		Credits	School C	redit: 1		
Departme	ent		and Computer E r Engineering Co		Student Grade	le 4th			
Term		Second S	emester		Classes per Wee	eek 2			
Textbook Teaching	and/or Materials	Our Scier	nce (Seibido), Da	itabase 4500 (Kiril	nara), Next Stage	(Kirihara)			
Instructo	r	MORIMOTO Nana							
	Objectiv								
content a (2) Impro (3) Gain a	ind writing ove hearing a wide ran	in English. a skills and I	English proficiend edge and skills, i	cv bv using audio i	materials or other	means.	ugh the practice of reading English er, through dealing with various		
Rubric			1				1		
			Ideal Level		Standard Level		Unacceptable Level		
Achievem	nent 1		vocabulary ski ability to read	h the practice of h content and	Can develop the vocabulary skills, ability to read ar English through reading English curiting in English	, as well as the nd write in the practice of content and	Cannot develop the necessary vocabulary skills, as well as the ability to read and write in English through the practice of reading English content and writing in English.		
Achievem	nent 2		and English pr audio material	ove hearing skills oficiency by using s that come with or other means.	Can improve hea English proficiend audio materials the textbook or o	cy by using that come with	Cannot improve hearing skills and English proficiency by using audio materials that come with the textbook or other means.		
Achievem	Can fully gain a wide range of knowledge and skills, including an international perspective as an engineer, through dealing with various topics related to			knowledge and skills, including an international perspective as an engineer, through dealing an engineer, through dealing an engineer, through dealing an engineer, through dealing an engineer.		Cannot gain a wide range of knowledge and skills, including an international perspective as an engineer, through dealing with various topics related to modern society.			
Assigne	d Depar	tment Ob		,	,		,		
Teachin	ng Metho	od .							
Outline		order to o	develop English s x and grammar	skills they will need necessary for read	d'as an engineer in ling comprehensio	n the age of gloon.	and reading comprehension in obalization, and gain knowledge of		
Style		to test th writing b	eir understandin ased on the cont	g of the content. Nent learned. There	We will use CDs to e will be assignme	build listening nts as appropr			
Notice	orietics		Division in Le	more of classes v	viii not be eligible	for evaluation.			
		or Class /		<u> </u>			☐ Instructor Professionally		
☐ Active	Learning		☑ Aided by IC	☑ Aided by ICT ☑ Applicable t		to Remote Class Experienced			
Course	Dlan								
Course	lan	-	Гһете		la	Goals			
		1st (Orientation		G	Sain a proper u	nderstanding on the class content		
		2nd l	Jnit 1		L	Inderstand the	English sentences in each Unit		
ı		3rd l	Jnit 2		L	and can use them appropriately. Understand the English sentences in each Unit and can use them appropriately.			
	3rd	4th	Jnit 3		L	Inderstand the	English sentences in each Unit em appropriately.		
	Quarter	5th	Exercises	xercises			Understand the English sentences in each Unit and can use them appropriately.		
2nd			nit 4			Understand the English sentences in each Unit and can use them appropriately.			
		6th	Jnit 4		L	Inderstand the	English sentences in each Unit		
2nd Semeste r			Jnit 4 Jnit 5		L a	Inderstand the nd can use the Inderstand the	English sentences in each Unit		
Semeste		7th			L a L a	Inderstand the nd can use the Inderstand the nd can use the Inderstand the Inderstand the	English sentences in each Unit mappropriately. English sentences in each Unit		
Semeste		7th l	Jnit 5		L a L a L	Understand the nd can use the Understand the	English sentences in each Unit mappropriately. English sentences in each Unit mappropriately. English sentences in each Unit		
	4th	7th I	Jnit 5 Jnit 6		L a L a L a	Understand the nd can use the Understand the Understand the	English sentences in each Unit em appropriately.		
Semeste	4th Quarter	7th	Jnit 5 Jnit 6 Exercises		L a L a L a L	Understand the Ind can use the Understand the Inderstand the Inder	English sentences in each Unit mappropriately. English sentences in each Unit		

		13th	Exercises			Understand thand can use t	Understand the English sentences in each Unit and can use them appropriately.		
		14th	Unit 10	Unit 10			Understand the English sentences in each Unit and can use them appropriately.		
		15th	Review	Review			he content lear	ned.	
		16th	Final exam	Final exam			Test their understanding of the class content so far.		
Evaluatio	n Me	thod and \	Weight (%)						
	E	xamination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total	
Subtotal	5	50	0	0	0	0	50	100	
Basic Proficiency	5	50	0	0	0	0	50	100	
Specialized Proficiency	0)	0	0	0	0	0	0	
Cross Area Proficiency	0)	0	0	0	0	0	0	

Akashi Co	shi College Year 2023			Course Title	Advanced English I	
Course Informat	ion					
Course Code	5406			Course Category	General	/ Compulsory
Class Format	Lecture			Credits	School C	Credit: 1
Department	Electrical and Computer Engineering Computer Engineering Course			Student Grade	4th	
Term	First Semest	er		Classes per Weel	< 2	
Textbook and/or Teaching Materials	[Available or	n paperback o	How to Deliver Yor ed English I & II .	our Message with F n James Publishing	Power, Punch, J, © 2019 by I	and Pizzazz (Third Edition) Diane DiResta. This book is
Instructor	HERBERT John C.					
Course Objectives						

- 1) Mastering presentation delivery skills
 2) Writing stimulating presentation content
 3) Recognizing weaknesses in presentations and tactfully suggesting ideas for peer and self-improvement
 4) Using Visual Aids effectively in a presentation
 5) Handling questions from the audience skillfully
 6) Writing conference proposals

Rubiic			
	Mastery Level	Standard Level	Unacceptable Level
Objective 1 Mastering presentation delivery skills	Able to use confident body language, a strong voice, great eye contact, appropriate intonation and stress, and natural gestures in a presentation	Able to show an awareness of how to use body language, voice projection, eye contact, intonation, stress, and gestures in a presentation	Cannot use body language, voice projection, eye contact, intonation, stress, or gestures appropriately in a presentation
Objective 2 Writing stimulating presentation content	Able to write persuasive and interesting presentation content	Able to show an awareness of how to write persuasive and interesting presentation content	Cannot write persuasive or interesting presentation content
Objective 3 Peer and self-critiquing	Able to give tactful and constructive criticism and advice in peer critiques and to write well thought out self-reflections	Able to show an awareness of how to give tactful and constructive criticism and advice in peer critiques and to write well thought out self-reflections	Cannot give tactful or constructive criticism or advice in peer critiques and not able to write sincere self-reflections
Objective 4 Using visual aids effectively in a presentation	Able to create and use visual aids that are easy for the audience to look at and understand	Able to show an awareness of how to create and use visual aids that are easy for the audience to look at and understand	Cannot create or properly use visual aids that are easy for the audience to look at and understand
Objective 5 Handling questions from the audience skillfully	Able to handle difficult questions from a presentation audience tactfully and confidently	Able to show an awareness of how to handle difficult questions from a presentation audience tactfully and confidently	Cannot handle questions from the audience with confidence
Objective 6 Writing conference proposals	Able to write research abstracts and summaries as impressive conference presentation proposals	Able to show an awareness of how to write research abstracts and summaries as conference presentation proposals	Cannot write research abstracts or summaries in English
Assigned Department Obje	ectives		
Teaching Method			

reaching Method

Outline	Advanced English I involves the preparation and confident delivery of English presentations designed for professional and business contexts.
	There will be several short assignments and activities from the textbook to prepare students for their initial and final presentations.
	For Akashi Kosen students, the class will meet in the Global Terrace, but they may be asked to do group work with students from other NIT campuses in TEAMs channels assigned to them during class time.
Style	Students from other NIT campuses, who have been accepted into this class, may join each class via TEAMs.
	The final project of this course is an (in class) online "Professional and Business English Presentation Contest," where the students will present their work orally in front of peers and teachers. In addition to the 20 students enrolled in class, up to five additional individuals and/or teams of 2 or 3 students might be accepted for participation in the online contest through a vetting process. All participants will receive a "Certificate of Achievement" unless they are among the top ranked contestants, in which case they will receive a "Certificate of Excellence" with their ranking indicated.
	Students who miss 1/4 or more of classes will not be eligible for evaluation.
	Students must critique each other's work and self-reflect on each of their practice presentation performances.

students regardless of their nationality, native language, or academic year.

Notice

Students must not recycle their presentation content from or into any other presentations for other class assignments or contests such as COCET's English Presentation Contest.

Final contest eligibility for those who are not enrolled in the class will be extended to all interested NIT

Whether the students participate in person or through a live camera projection, the teacher must be able to see ALL of the participants engaged in relevant class time behavior throughout the duration of each class. Otherwise, the teacher reserves the right to mark the student absent. Students joining via TEAMs must leave their cameras on.

Charact	eristics	of Class	/ Division in Learning	T		1	
☑ Active	Learning		☐ Aided by ICT	☑ Applicable t	o Remote Class	☐ Instructor Professionally Experienced	
Course	Plan						
			Theme		Goals		
		1st	Course and textbook introductions Dos and don'ts of public speaking Homework: 1) Choose a presentati 2) Read "Unit 1: Secrets of Platforn Effectiveness"	on topic. n	textbook this sem	make the most of the course and nester. persuasive presentation.	
		2nd	Unit 1: Secrets of Platform Effective Homework: 1) Write a presentation 2) Read "Unit 7: Listener-Centered Communication: Principles of Persu	outline.	Ispeaking and mis	common myths of public stakes that many speakers make. ting a presentation outline and ntation content.	
		3rd	Unit 7: Listener-Centered Commun Principles of Persuasion (Part One) Critique a classmate's outline. Homework: 1) Write a first draft of presentation. 2) Review "Unit 7: Principles of Per	your	Study techniques that will make you a more persuasive presenter. Work together with peers to improve your presentation focus.		
	1st	4th	Unit 7: Listener-Centered Commun Principles of Persuasion (Part Two) Critique a classmate's first draft. Homework: Revise and rehearse you presentation.		persúasive presei	ith peers to improve your	
Qu	Quarter	5th	Presentation workshop Peer critiques Homework: Rehearse your present visualize/dream of having a perfect	ation and performance.	Work in groups to polish the forthco Complete peer ev	o help each other rehearse and oming "Initial Presentations." valuation forms.	
		6th	Initial Presentations (Part One) Homework: Write your self-reflection how you may have done a better In Presentation.	on report on nitial	confidence and ei	re presentation in English with nthusiasm. We will do the first ations in this class.	
		7th	Initial Presentations (Part Two) Homework: 1) Write your self-refle how you may have done a better In Presentation. 2) Read "Unit 2: Sizzle or Steak?"	ction report on nitial	Make a persuasiv confidence and er second 10 of 20 p	re presentation in English with nthusiasm. We will do the presentations in this class.	
1st Semeste r		8th	Unit 2: Sizzle or Steak? Adding pizazz to your presentation Homework: 1) Rewrite your presen transcript based on self-reflection, and teacher feedback. 2) Review "Unit 2: Sizzle or Steak?"	itation peer critiques,	delivery skills.	ocal, and verbal presentation ith peers to improve your tent.	
		9th	Unit 2: Sizzle or Steak? Adding pizazz to your presentation Final Presentation rehearsals (In cla homework) Homework: Read "Unit 3: Fear Fixe Nervousness"	ass and/or as	delivery skills.	ocal, and verbal presentation final presentation.	
		10th	Unit 3: Fear Fixes Conquering Nervousness (Part One Final Presentation rehearsals (In cla homework) Homework: Review "Unit 3: Fear F Conquering Nervousness"	ass and/or as	nervousness whe	s that may help you control your n you perform in front of an e for your final presentation.	
	2nd Quarter	11th	Unit 3: Fear Fixes Conquering Nervousness (Part Two Final Presentation rehearsals (In cla homework) Homework: Read "Unit 4: Listening Side of Speaking"	ass and/or as	nervousness whe	s that may help you control your in you perform in front of an e for your final presentation.	
		12th	Unit 4: Listening: The Other Side o Becoming a better listener and help listen to you (Part One) Final Presentation rehearsals (In cla homework) Homework: Review "Unit 4: Listeni Side of Speaking"	oing others to ass and/or as	better listener an	s that may help you become a d help others to listen to you. final presentation.	
		13th	Unit 4: Listening: The Other Side o Becoming a better listener and help listen to you (Part Two) Final Presentation rehearsals (In cla homework)	oing others to	Practice exercises that may help you become a better listener and help others to listen to you. Prepare for your final presentation.		
		14th	Presentation workshop Peer critiques Homework: Rehearse your present visualize/dream of having a perfect	ation and performance.	Work in groups to polish the forthco Complete peer ev	o help each other rehearse and oving "Final Presentations." valuation forms.	

		15th	contest within the cla Summer Homework (Choose a topic for a r	For Advanced English II): esearch conference e an abstract and summary	implementation of prese learned from this course The winners of the cont separately, without dire	Presentation grades will be determined by how well the presentation reflects the acquisition and implementation of presentation techniques learned from this course. The winners of the contest will be determined separately, without direct references to the content taught in the course.		
		16th	No Test					
Evaluati	on Meth	od ar	d Weight (%)					
		Short Assignments/Reflective Writing	ignments/Reflective Initial Presentation		Total			
Subtotal		30	30	40	100			
Drefessional Dresentation		ation	30	30	40	100		

Akashi Coll	ege	Year 2023			Course Title	Advanced English II	
Course Information	on	•					
Course Code	5407			Course Category	General /	Compulsory	
Class Format	Lecture			Credits	lits School Credit: 1		
Department		and Computer E Engineering Co		Student Grade	Grade 4th		
Term	Second Se	mester		Classes per Week	2		
Textbook and/or Teaching Materials	[[Available	on paperback of	How to Deliver Yo or e-book], Morgan ed English I & II .	our Message with Power, Punch, and Pizzazz (Third Edition) n James Publishing, © 2019 by Diane DiResta. This book is			
Instructor	HERBERT .	John C.					
Course Objective							
Mastering presen Writing stimulatir Recognizing weak Using Visual Aids Handling question Writing conference	ng presentations of the presses in presses i	tion content presentations a in a presentation audience skillfi	on	ting ideas for peer a	and self-impro	ovement	
Rubric		1		ı			
		理想的な到達レ		標準的な到達レベル	の目安	未到達レベルの目安	
評価項目1 Mastering presentatio skills	n delivery	Able to use co language, a st eye contact, a intonation and natural gestur presentation	rong voice, great ppropriate I stress, and	Able to show an a how to use body la voice projection, e intonation, stress, in a presentation	anguage, ye contact,	Cannot use body language, voice projection, eye contact, intonation, stress, or gestures appropriately in a presentation	
評価項目2 Writing stimulating presentation content		Able to write property	persuasive and esentation content			Cannot write persuasive or interesting presentation content	
評価項目3 Peer and self-critiquing		in peer critiqu	actful and riticism and advice es and to write out self-reflections	constructive criticism and advice		Cannot give tactful or constructive criticism or advice in peer critiques and not able to write sincere self-reflections	
評価項目4 Using visual aids effectively in a presentation		Able to create aids that are e audience to lo understand		aids that are easy for the		Cannot create or properly use visual aids that are easy for the audience to look at and understand	
評価項目5 Handling questions fr audience skillfully	om the	Able to handle questions fron audience tactf confidently	n a presentation	tactfully and confidently		Cannot handle questions from the audience with confidence	
評価項目6 Writing conference pr	oposals		es as impressive	ts Able to show an awareness of how to write research abstracts and summaries as conference presentation proposals		Cannot write research abstracts or summaries in English	
Assigned Departr	nent Obje	ectives					
Teaching Method							
Outline	Advance profession	ed English II invalled in invalled in its education in the search continued in the search continued in the search continued in the search in t	olves the preparati ferences.	on and confident d	elivery of Engl	ish presentations designed for	
		be several shoresentations.	rt assignments and	activities from the	textbook to p	repare students for their initial	
Style	For Akashi with stude	Kosen student nts from other	s, the class will me NIT campuses in T	eet in the Global Te EAMs channels ass	rrace, but the igned to them	y may be asked to do group work during class time.	
	Students f	cudents from other NIT campuses, who have been accepted into this class, may join each class via TEAMs.					
	The final p	roject of this c eir work orally	ourse is an (in class in front of peers ar	s) online "Mock Res nd teachers.	search Confere	ence," where the students will	
	評価の対象	としない欠席条件	牛(割合) 1/4以上の	欠課。			
	Students r	nust critique ea	ach other's work ar	nd self-reflect on ea	ch of their pra	actice presentation performances.	
Notice Students assignme		nust not recyclets or contests	e their presentation such as COCET's E	n content from or ir nglish Presentation	nto any other Contest.	presentations for other class	
	see ALL of Otherwise, their came	the participant , the teacher re eras on.	s engaged in releves the right to	ant class time beha	ivior througho	on, the teacher must be able to ut the duration of each class. nts joining via TEAMs must leave	
Characteristics of	Class / D	Division in Le	earning	1			
☑ Active Learning		☐ Aided by I	СТ	☑ Applicable to R	emote Class	☐ Instructor Professionally Experienced	
Carrier DI-							
Course Plan							

			Theme	Goals
		1st	Unit 5: Research and Analyze Your Audience Designing an audience-centered presentation (Part One) Critique your classmate's conference proposal (From your summer homework: The research abstract and summary) Homework: 1) Rewrite your abstract and summary based on comments from your peers and your teacher. 2) Read/review "Unit 5: Research and Analyze Your Audience."	Practice exercises that may help you reach your audience effectively. Begin planning a mock conference presentation.
		2nd	Unit 5: Research and Analyze Your Audience Designing an audience-centered presentation (Part Two) Homework: 1) Write a presentation outline. 2) Read "Unit 6: Building Your Presentation."	Practice exercises that may help you reach your audience effectively. Learn tips for writing a research presentation outline and organizing presentation content.
		3rd	Unit 6: Building Your Presentation Structuring a research presentation (Part One) Critique a classmate's outline. Homework: 1) Write a first draft of your presentation. 2) Review "Unit 6: Building Your Presentation"	Organize the structure of your research presentation in a logical and systematic matter. Work together with peers to improve your presentation focus.
	3rd Quarter	4th	Unit 6: Building Your Presentation Structuring a research presentation (Part Two) Critique a classmate's first draft. Homework: Revise and rehearse your presentation.	Organize the structure of your research presentation in a logical and systematic matter. Work together with peers to improve your presentation content.
		5th	Presentation workshop Peer critiques Homework: Rehearse your presentation and visualize/dream of having a perfect performance.	Work in groups to help each other rehearse and polish the forthcoming "Initial Presentations." Complete peer evaluation forms.
		6th	Initial Presentations (Part One) Homework: Write your self-reflection report on how you may have done a better Initial Presentation.	Present your research in English with confidence and enthusiasm. We will do the first 10 of 20 presentations in this class.
		7th	Initial Presentations (Part Two) Homework: 1) Write your self-reflection report on how you may have done a better Initial Presentation. 2) Read "Unit 8: Seeing Is Believing."	Present your research in English with confidence and enthusiasm. We will do the second 10 of 20 presentations in this class.
2nd Semeste r		8th	Unit 8: Seeing Is Believing Creating and using visual aids effectively (Part One) Homework: 1) Rewrite your presentation transcript based on self-reflection, peer critiques, and teacher feedback. 2) Review "Unit 8: Seeing Is Believing."	Create and practice using visual aids effectively. Work together with peers to improve your presentation content and visual aids.
		9th	Unit 8: Seeing Is Believing Creating and using visual aids effectively (Part Two) Final Presentation rehearsals (In class and/or as homework) Homework: Read "Unit 9: Setting the Stage"	Create and practice using visual aids effectively. Work together with peers to improve your presentation content and visual aids. Prepare for your final presentation.
		10th	Unit 9: Setting the Stage Logistical considerations for setting up a presentation (Part One) Final Presentation rehearsals (In class and/or as homework) Homework: Review "Unit 9: Setting the Stage."	Consider ways to use the surroundings of your presentation stage to your advantage. Prepare for your final presentation.
	4th	11th	Unit 9: Setting the Stage Logistical considerations for setting up a presentation (Part Two) Final Presentation rehearsals (In class and/or as homework) Homework: Read "Unit 10: Q&A, Difficult People, and Deadly Disasters."	Consider ways to use the surroundings of your presentation stage to your advantage. Prepare for your final presentation.
	Quarter	12th	Unit 10: Q&A, Difficult People, and Deadly Disasters Handling question and answers calmly and effectively (Part One) Final Presentation rehearsals (In class and/or as homework) Homework: Review "Unit 10: Q&A, Difficult People, and Deadly Disasters."	Learn how to handle difficult audience members and difficult questions. Prepare for your final presentation.
		13th	Unit 10: Q&A, Difficult People, and Deadly Disasters Handling question and answers calmly and effectively (Part Two) Final Presentation rehearsals (In class and/or as homework)	Learn how to handle difficult audience members and difficult questions. Prepare for your final presentation.
		14th	Presentation workshop Peer critiques Homework: Rehearse your presentation and visualize/dream of having a perfect performance.	Work in groups to help each other rehearse and polish the forthcoming "Final Presentations." Complete peer evaluation forms.

	1	5th	Final presentation in t research conference v	he context of a mock vithin the class	Presentation grades will well the presentation re implementation of preselearned from this course	be determined by how flects the acquisition and entation techniques		
	1	6th	No Test	o Test				
Evaluati	Evaluation Method and Weight (%)							
Short Assignments/Reflective Initial Presentation Final Presentation Total Writing						Total		
Subtotal 30		30		30	40	100		
Professional Presentation Skills		ion 30		30	40	100		

Akashi College		llege	Year	2023		Course Title	Chinese-1
Course :	Informat	ion	•				
Course Co		5408			Course Category	/ General	/ Elective
Class Forr	nat	Lecture			Credits	School C	redit: 1
Departme	ent		nd Computer E Engineering Co		Student Grade	4th	
Term		First Seme	ster		Classes per Wee	ek 2	
Textbook Teaching		虞萍:「ペ	アで学ぼう!中国	国語」朝日出版社.			
Instructor	•	ARIKAWA	Kei				
Course	Objective	es					
②挨拶や日	常会話など	、身の回りの	事を実用的な中国	D規則を応用できる。 国語で表現でき、簡 解を深めていきます。	単な中国語でコミ <i>:</i>	と読解力を養うよ 1ニケーションを	うに目指します。 取れることを目指します。
Rubric							
			理想的な到達レ	ベルの目安	標準的な到達レベ	いの目安	未到達レベルの目安
評価項目1			的な語彙と文法	マスターし、基礎 の規則を応用でき 話力と読解力を十 。	中国語の発音をマ 的な語彙と文法の るようにし、会話 っている。)規則を応用でき	的な語彙と文法の規則を応用でき
評価項目2			事を実用的な中	など、身の回りの 国語で表現でき、 十分にコミュニケ ことができる。	挨拶や日常会話な事を実用的な中国 簡単な中国語でニンを取ることがで	l語で表現でき、 Iミューケーショ	挨拶や日常会話など、身の回りの 事を実用的な中国語で表現でき、 簡単な中国語でコミュニケーショ ンを取ることができない。
評価項目3				や生活習慣、中国 解を十分深めてい	中国人の考え方や文化に対する理解		中国人の考え方や生活習慣、中国 文化に対する理解を深めていない 。
Assigne	d Depart	ment Obje	ectives				
	g Metho						
Outline	<u></u>	外国語の勉強 焦らずにして ことを目指	外国語の勉強に肝心なのは発音と言われています。中国語も例外 焦らずにしっかりとレベルアップを図りながら、「聞く」「話す ことを目指します。また、中国の社会や文化などにも触れながら 異文化への理解も深めていきます。				この授業では、発音を丁寧に学び、 」の能力をバランスよく身につける コミュニケーションを取れるように
Style	①事前に予習を行い、学習ポイント把握したうえで授業に臨むこと。 ②授業に積極的に参加すること。 ③発声練習、会話練習にしっかり取り組むこと。 ④予習時に生じた疑問や、授業中に理解できない事項は質問をすること。 連絡員:井上英俊						
Notice		①学習ポイン ②授業で学 ③テキスト	ントを把握し授業 習した後に必ず役 の添付CDや音声	学習が必要である。 美の理解度を高めるだ 夏習を行うこと。 ストリーミングURL ‡(割合) 1/4以上の	を活用し、中国語の		東習すること。
Charact	eristics c	of Class / D	ivision in Le	arning			
☐ Active			☐ Aided by IC		☑ Applicable to Remote Class		☐ Instructor Professionally Experienced
Course	Plan						
		Th	ieme		(Goals	
		1st 発	<u>音1、2、3</u>		j	=====================================	 子音を学ぶ。
			 音 4 、 5				・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・
		3rd 第	1課 あなたは	∃本人ですか?			D聞き方と答え方、動詞述語文を学ぶ
	1st	4th 第	1課 文法のま	とめ		- 練習Ⅰ、Ⅱを学ぶ	ji'o
	Quarter	5th 第	2課 あなたは(可を学びますか?		「的」の使い方、 ,	副詞「也」、疑問詞「什么」を学ぶ
		6th 第	2課 文法のまる	上め	\$i	棟習Ⅰ、Ⅱを学ぶ	J'o
		7th 第	3課 あなたは	最近どうですか?	3	形容詞述語文、	「」+動詞、副詞「都」を学ぶ。
1st		8th 復	習と中間テスト			既習内容を復習す	する。
Semeste r		9th 第	3課 文法のま	とめ	á	棟習Ⅰ、Ⅱを学ぶ	ji' _o
		10th 第	4課 これはどが	なたの辞書ですか?	1	指示代詞、量詞、	反復疑問文を学ぶ。
		11th 第	4課 文法のま	とめ	á	棟習Ⅰ、Ⅱを学ぶ	ji' _o
	2nd	12th 第	5課 彼はいつ	比京に来ますか?	E ·	時間の言い方、 +場所+動詞を学	「吧」の使い方、「去/来/回/到」 学ぶ。
		13th 第	5課 文法のま	_ とめ	á	棟習Ⅰ、Ⅱを学ぶ	
		14th 第	6課 図書館は	どこにありますか?		「有」と「在」、 ぶ。	主述述語文、「几」と「多少」を学
		15th 前	 期総まとめ			<u>い。</u> 復習と質問応答を	・実施する。
			烈心なとの 末試験				
Evaluati	on Meth	od and We			· ·		
		定期試	_ `	小テスト	平	 常点	Total

Subtotal	60	20	20	100
基礎的能力	60	20	20	100
専門的能力	0	0	0	0
分野横断的能力	0	0	0	0

Д	Akashi Co	ollege		Year	2023		(Course Title	Chinese-2	
Course	Informa	tion			1			TICIC	I	
Course Co		5409				Course Categor	у	General	/ Elective	
Class For	mat	Lecture				Credits		School C	redit: 1	
Departme	ent			l Computer E		Student Grade		4th		
Term		Second			4130	Classes per We	ek	2		
Textbook	and/or		ペアで	で学ぼう!中国						
I eaching	<u>Matérials</u> r	ARIKAW								
	Objectiv	-	AIC	.1						
(1) The g develop c (2) The g communic	oal is to monversations to be cate in sin	naster the ponal skills as able to example Chines	nd re kpres e.	ading compr s things arou	ehension.	greetings and da	aily co	onversatio	y and grammar rules, and to ns, in practical Chinese, and to ure.	
Rubric	•			<u> </u>		,	,	,		
			Id	leal Level		Standard Level			Unacceptable Level	
Achievem	nent 1		Ch vc ar cc	hinese, learn ocabulary and nd fully devel	skills and reading	Mastered the pr Chinese, learne vocabulary and and developed skills and readir comprehension	ed to i gram conve	use basic nmar rules	Have not mastered the pronunciation of Chinese, learned to use basic vocabulary and grammar rules, and developed conversational skills and reading comprehension.	
Achievem	nent 2		th da Ch in	aily conversa hinese, and c simple Chine	greetings and tions, in practical communicate well ese.	Can express thi them, such as c daily conversati Chinese, and co simple Chinese.	greeti ions, ommu	ngs and in practica	Chinese, and communicate well in simple Chinese.	
Achievem	nent 3		ur w	ally gained anderstanding ay of thinking alture.	deeper of the Chinese g, lifestyle, and	Gained a deepe of the Chinese v lifestyle, and cu	wav c	of thinkina.	Have not gained a deeper understanding of the Chinese way of thinking, lifestyle, and culture.	
Assigne	d Depar	tment Ol	oject	tives						
Teachin	ig Metho									
Outline		aim to a	chiev and	e a balanced taking time	n is the key to stu I level of listening, improving it. We v e smoothly, while	speaking, readir vill also deepen c	ng, ar our ur	nd writing nderstandi	e is no exception. In this class, we skills while learning pronunciation ng of the different cultures so that and culture.	
Style		(2) Activ (3) Wor (4) Ask	vely p k har quest	participate in d on vocal ar	the learning points class. nd conversational se during the pre-	oractice.			tand during classes.	
Notice		(1) Pre-	study ure to	/ to know the o review afte	students are requile learning points a relearning in class pronunciation using more of classes were seen as the classes were a	nd improve unde	erstan	iding of cla	y: sses. extbook and audio streaming URLs. grade."	
Charact	eristics	-		vision in Le		viii riot be eligible	2 101 6	a passing g	graue.	
	Learning	<u> </u>		Aided by IC	<u> </u>	☑ Applicable to	o Rem	note Class	☐ Instructor Professionally Experienced	
Co:::===	Dlan									
Course	PIdN		Ther	me		Γ	Goals			
		1ct			ntent learned in th	o firct			tont loarned in the first a	
		1st 2nd	seme	ester on 7: 你喝茶			Learr	n A 是 B, 想	tent learned in the first semester R + verb, 要 + verb, and	
							comp	arison éxp	pressions.	
	3rd	3rd 4th		on 7: Gramn on 8: 你喜哪	nar summary 件?		Learr and e	expressions	ogative 哪, reduplication of verbs, s with a topicalized object at the	
	Quarter						begir	ning of a s	sentence.	
2nd Semeste		5th			nar summary			n Practice 1 n period (a	mount of time), the state	
r		6th		on 9: 你每天!			comp	olement 得	, and 怎么.	
		7th			nar summary	<u> </u>		Practice 1		
		8th		ew and midte					tent learned. se verb + and 了that express	
		9th		on 10: 你才去			past	experience	es, and 又, 再, and .	
	4th Quarter	10th	Less	on 10: Gram	mar summary		Learn Practice I and II.			
	-	11th	Less	on 11: 你在干	-什么呢?		Learn about the aspects of progressive and continuous, 一会儿, 有点儿, 一点儿, and 打算 + verb.			

	12th	Lesson 11: 0	Grammar summary	/	Learn Practice I and	II.
	13th	Lesson 12: ሰ	尔会开?		Learn the adverbs 会 object, and 别/不要 t	, 能, and 可以, the double hat express prohibitions
	14th	Lesson 12: 0	Grammar summary	/	Learn Practice I and	II.
	15th	Summary of	the second semes	ter	Review and answer t	o questions.
,	16th	Final exam				
Evaluation Met	hod and	l Weight (%)			
	Exam	ination	Tasks	Small tests	Others	Total
Subtotal	60		20	20	0	100
Basic Proficiency	60		20	20	0	100
Specialized Proficiency	0		0	0	0	0
Cross Area Proficiency	0		0	0	0	0

Д	kashi Co	ollege	Year	2023			Course Title	German-1	
Course	Informa	tion							
Course Co	ode	5410			Course Categor	У	General /	Elective	
Class For	mat	Lecture			Credits School Credit: 1				
Departme	ent		and Computer E r Engineering Co		Student Grade 4th				
Term		First Sem	nester		Classes per We	ek	2		
Textbook	and/or Materials	DVDわかる	るぞドイツ語!見	えるぞドイツ語!	春日正男、松澤淳	(朝日	日出版社)		
Instructo		УОКОТА	Kazuya						
Course	Objectiv	es es							
of a diction	onary. I is to be a I is to have	ble to expre	ss things around	I them in simple G	erman, using wh	at the	v learned	ermediate German with the help in interactive practice. g German reading materials on	
Rubric									
			Ideal Level		Standard Level			Unacceptable Level	
Achievem	Clearly understand German sentence structure and rules, and can read intermediate German with the help of a dictionary.				Clearly understa sentence struct and can read in German to som the help of a dia	ure ar terme e exte	nd rules, ediate ent with	Do not clearly understand German sentence structure and rules, and cannot read intermediate German even with the help of a dictionary.	
Achievem	ent 2		Can express things around them in German, using what they learned in interactive practice. Can express things around them in simple German, using what they learned					Cannot express things around them in simple German.	
Achievem	Can deepen their understanding of the German way of thinking and lifestyle through reading German reading materials on social conditions.				Can deepen the of the German and lifestyle to through reading reading materia conditions.	way o a cert g Gern	f thinking ` ain extent nan	Cannot deepen their understanding of the German way of thinking and lifestyle through reading German reading materials on social conditions.	
Assigne	d Depar	tment Ob	jectives						
Teachin	g Metho	od							
Outline		German r interactiv German t and incre	reading, writing, re practice that u that is practical a ase knowledge o	listening, and spea use the grammar to and alive. In addition of Germany throug	aking abilities. Wopics in each secon, students will hreading mater	hen le tion w impro als on	earning gra vill be incor ove their Go or German s		
Style		comprehe	on to classes, a lo ension through r Akimoto Hiromi	ot of interactive pro eadings.	actice will be inc	orpora	ited, and s	tudents will also improve reading	
Notice		those tha	t they think will	a few dictionaries be easy to use and r more of classes w	d bring it to the o	class e	very time.	uld choose a dictionary from (2) Properly do the assignments	
Charact	eristics		Division in Le		VIII TIOE BE CIIGIBIC	. 101 C	valuation.		
	Learning	01 01000 /	☐ Aided by IC		☑ Applicable to	Rem	ote Class	☐ Instructor Professionally Experienced	
Course	Dlan								
Course	riall		 Theme			Goals			
				German and Germa			stand the	alphabet and pronunciation rules.	
				German and Germa	nv.	Under	stand pror	nunciation rules and greeting	
			Lektion 1		,	Gramı	ssions. mar: Unde gation of v	rstand present tense personal erbs.	
1st 4th Lektion 1						rstand German word order.			
	Quarter 5th Lektion 1				Readi	ng: Under	stand Japan inside Germany.		
	6th Lektion 1					rstand sein and haben.			
1st Semeste		7th	Lektion 2			Gramı nouns		rstand the gender and number of	
r		+	_ektion 2					stand German beer and wine.	
		9th	Lektion 2			Grami and n		rstand case inflections of articles	
		10th L	_ektion 3		†			stand Berlin	
	2nd		Lektion 3			Gramı	mar: Unde	rstand irregular verbs and the	
	Quarter		Lektion 4				ative mood	rstand Europe and the EU.	
			Lektion 4					rstand definite and indefinite	
		1301	LEKUUII 4			article			

	14th	Lektion 5			Reading: Understand the part-time jobs of German youth.			
	15th	Review			Review the conte	ent learned in the	first semester.	
	16th	Final exam			Understand the o	content learned.		
Evaluation N	Method and \	Weight (%)						
	Examination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Quizes	Total	
Subtotal	50	0	0	30	0	20	100	
Basic Proficiency	50	0	0	30	0	20	100	
Specialized Proficiency	0	0	0	0	0	0	0	
Cross Area Proficiency	0	0	0	0	0	0	0	

А	.kashi Co	ollege	Year	2023		Course Title	German-2		
Course	Informa	tion							
Course Co		5411			Course Category	/ General	/ Elective		
Class Forr	mat	Lecture			Credits	School C	Credit: 1		
Departme	ent		and Computer E r Engineering Co		Student Grade	ade 4th			
Term		Second S			Classes per Wee	ek 2			
Textbook Teaching		DVDわか	るぞドイツ語!見	えるぞドイツ語!	春日正男、松澤淳	(朝日出版社)			
Instructor		УОКОТА	Kazuya						
	Objectiv								
of a dictio The goal The goal social con	nary. I is to be a I is to have	ble to expre	ess things around	them in simple G	erman, using wha	at they learned	termediate German with the help in interactive practice. ng German reading materials on		
Rubric					T				
			Ideal Level		Standard Level		Unacceptable Level		
Achievem	ent 1		Clearly understand German sentence structure and rules, and can read intermediate German with the help of a dictionary. Clearly understand German sentence structure and rules, and can read intermediate German to some extent with the help of a dictionary.			Do not clearly understand German sentence structure and rules, and cannot read intermediate German even with the help of a dictionary.			
Achievem	ent 2		Can express them in Germ they learned in practice.	an, using what	Can express thir them in simple (what they learne	German, using	Cannot express things around them in simple German.		
Achievem	ent 3		Can deepen their understanding of the German way of thinking and lifestyle through reading German reading materials on social conditions. Can deepen their understanding of the German way of thinking and lifestyle to a certain extent through reading German reading materials on social conditions.			understanding of the German			
Assigne	signed Department Objectives								
Teachin	g Metho	od							
Outline		German interactiv German	reading, writing, e practice that ι that is practical a	listening, and spea use the grammar to	aking abilities. Wl opics in each sect on, students will i	nen learning gi ion will be inco mprove their (d to balance students' overall rammar, we will incorporate many orporated so students can learn German reading comprehension social conditions.		
Style		compreh	on to classes, a l ension through r Akimoto Hiromi	ot of interactive pra eadings.	actice will be inco	rporated, and	students will also improve reading		
Notice		those that	it they think will	a few dictionaries be easy to use and r more of classes w	d bring it to the c	lass every time	ould choose a dictionary from e. (2) Properly do the assignments		
Charact	eristics		Division in Le						
□ Active		,	☐ Aided by I		☑ Applicable to	Remote Class	☐ Instructor Professionally Experienced		
Course	Dlan								
Course	1 1011		Theme		10	Goals			
			Lektion 5				erstand personal pronouns.		
		2nd	Lektion 5				erstand prepositions.		
		3rd	Lektion 6		F	Reading: Unde	rstand German bakeries.		
		4th	Lektion 6			Grammar: Und uture tense.	erstand modal verbs and the		
	Ouarter 5th Lektion 6 Gra			erstand subordinating					
2 -			Lektion 7		(Germañy.	rstand the travel situation in		
2nd Semeste			Lektion 7				erstand separable verbs.		
r		+ +	Lektion 7				erstand reflexive verbs.		
			Lektion 8			<u>Reading: Unde</u> Grammar: Und	erstand Municn. erstand case inflections of		
		-	Lektion 8		ā	adjectives.			
	4th		Lektion 9				rstand Oktoberfest in Munich. erstand the three basic forms and		
	Quarter		Lektion 9			past tense of v			
			Lektion 10		(Germañy.			
		14th	Lektion 10			∍rammar: Und	erstand the perfect tense.		

	15th	Review			Review the conte semester.	ent learned in the	second
	16th	Final exam			Understand the c	content learned.	
Evaluation I	Method and \	Veight (%)					
	Examination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Quizes	Total
Subtotal	50	0	0	30	0	20	100
Basic Proficiency	50	0	0	30	0	20	100
Specialized Proficiency	0	0	0	0	0	0	0
Cross Area Proficiency	0	0	0	0	0	0	0

А	kashi Co	ollege	Year	2023			ourse Title	French-1	
Course :	Informa	tion							
Course Co		5412			Course Categor			/ Elective	
Class Forr	mat	Lecture	10 : -		Credits	9	School C	Credit: 1	
Departme	ent		and Computer E r Engineering Co		Student Grade	Grade 4th			
Term		First Sem	nester		Classes per We	eek 2	2		
Textbook Teaching		釣馨・武区	内英公子『私だけの	のフランス語ノート』	』朝日出版社				
Instructor		FUJIMOT	O Tomonari						
Course	Objectiv	es							
Internatio way to lea coexisten	nalization arn differe	does not m nt cultures i	ake the world ur	niform, but it requi	res diverse cultu	ires to c	o-exist.	come increasingly important. From the perspective that the best r a multicultural and multilingual	
Rubric			T		T			T	
			理想的な到達レ		標準的な到達レ/			未到達レベルの目安	
評価項目1			c French learning the ge structure.	Learn the basic proficiency by I French languag	earning ge struct	the ure.	Do not learn the basic French proficiency by learning the French language structure.		
評価項目2			Learn the basi proficiency by vocabulary.	c French learning French	Learn the basic proficiency by I vocabulary.			Do not learn the basic French proficiency by learning French vocabulary.	
評価項目3			n for a and multilingual ociety through h.	Can take action multicultural ar coexistence soo learning French	nd multi ciety thr		Cannot take action for a multicultural and multilingual coexistence society through learning French.		
Assigne	d Depar	tment Ob	jectives						
Teachin	g Metho	d							
Outline		called gra spelling a become r well with introduce the four	ammar, have mand pronunciation master them to solate a few vocabular solutions syourself and se skills: listening, so	any rules, and it sen, the rules on the some extent, your ites. While learning asonal greetings, topeaking, reading,	d at first s, and tl denly br ssions o help st	glance, he verb oaden, a of everyoudents a	French language structure, or so- such as the relationship between conjugation. However, if you and you can communicate fairly lay conversation, such as how to achieve a balanced mastering of questions to acquire proficiency.		
Style		Liaison: (Chiho Kitagawa	iraniniai ana vocai	buidi y, students	will do	practice	questions to acquire proficiency.	
Notice		imaginati	ion of the learne ore time for revie	anguages, it's imp rs, so active partic ew rather than for r more of classes v	ipation in classes pre-study.	s is requ	iired. Als	innate communication skills and so, students are encouraged to	
Charact	eristics o	•	Division in Le						
□ Active	Learning		☐ Aided by I	СТ	☑ Applicable to	o Remot	te Class	☐ Instructor Professionally Experienced	
Course	Dlan								
Course	riali	-	Theme			Goals			
		1st	Guidance: How o	classes will be conditions about France	ducted / and the French	Underst	tand the eral cha languag	e overview of classes. Understand rracteristics of France and the e.	
								nch words and greet.	
		3rd I	Lesson 0: L'alpha	abet and pronuncia	ation / Greeting				
	1st	4th I	Lesson 1: Let's in	ntroduce yourself!		Europe	inple ve	rb conjugation. Say names of tries and cities in French.	
	Quarter			ntroduce yourself!		Introdu	ce them	selves in French.	
			Lesson 2: Let's to anguages!	alk about nationali	ties and	Underst	tand the	e basic rules of the gender of	
1st		7th		alk about nationali	ties and	Listen t occupat		s, nationalities, towns, nd words of others.	
Semeste r		8th	Review			Underst learned	tanding so far	the weak points on the content	
		9th I	Lesson 3: Let's t	alk about things ar			e their v	ocabulary and talk about things	
		10th	Lesson 3: Let's to	alk about things ar	ound you!	its spec	ialties.	p to 20. Say regions of France and	
	2nd	11th I	Lesson 4: Let's t	alk about your fam	nily! (1)	Use nur faire.	mbers u	p to 69. Use the verbs avoir and	
	Quarter	12th	Lesson 4: Let's to	alk about your fam	nily! (1)	other p	eople's f	ages and occupations of their and family members.	
		13th	Lesson 5: Let's t	alk about your fam	nily! (2)	Talk ab their fa	out the mily me	characteristics and personalities of mbers.	
I		14th	esson 5: Let's t	alk about your fam	nilv! (2)		clothes		

	15th	Lesson 6: Let	t's talk about thing	s you like!	Talk about things	s they like.				
	16th	Final exam			Speak and write since week 9.	Speak and write based on the content learned since week 9.				
Evaluation M	1ethod and	Weight (%)								
	試験	発表	相互評価	態度	ポートフォリオ	その他	Total			
Subtotal	50	0	0	30	0	20	100			
基礎的能力	50	0	0	30	0	20	100			
専門的能力	0	0	0	0	0	0	0			
分野横断的能力	0	0	0	0	0	0	0			

А	.kashi Co	ollege	Year	2023			Course Title	French-2	
Course	Informa	tiọn							
Course Co		5413			Course Catego	ry	1	/ Elective	
Class For	mat	Lecture	Land Computer 5	Enginooring	Credits		School C	Credit: 1	
Departme	ent		l and Computer E er Engineering Co		Student Grade	4th			
Term		Second 9	Semester		Classes per We	ses per Week 2			
Textbook Teaching		釣馨・武	内英公子『私だけの	のフランス語ノート	』朝日出版社				
Instructor	-	FUJIMOT	TO Tomonari						
	Objectiv								
understar	nd and pro hange thei	nounce sim m according	nple French expre a to their person	essions; 2. to be al): 3. to understand	ble to conjugate I how expression	regula Is (arti	r and irre cles, adie	The specific objectives are: 1. to egular verbs in the present tense ectives, etc.) change according to ees and to form simple sentences.	
Rubiic			理想的な到達レ	 ·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	
			Learn the basi	ic French	Learn the basic	Frenc	:h	Do not learn the basic French	
評価項目1 			proficiency by French langua	learning the ge structure.	proficiency by I French language	earnin je stru	g the cture.	proficiency by learning the French language structure.	
評価項目2			Learn the basi proficiency by vocabulary.	ic French learning French	Learn the basic proficiency by l vocabulary.			Do not learn the basic French proficiency by learning French vocabulary.	
評価項目3		on for a and multilingual ociety through ch.	Can take action multicultural ar coexistence soo learning French	nd mul ciety th		Cannot take action for a multicultural and multilingual coexistence society through learning French.			
Assigne	d Depar	tment Ob	ojectives						
Teachin	g Metho								
Outline		advance since the	he first semester. second semester :	There is indeed are based on the	a lot to conte	memorize nts of the	matical items that are a little more ze in elementary grammar, but if irst semester, students should be active participation of students.		
Style		After ext	planation of the c					questions to acquire proficiency.	
Notice		In order imaginat spend m	tion of the learne fore time for revi	languages, it's impress, so active partice we rather than for more of classes were	cipation in classe: ore-study.	s is red	quired. Als	innate communication skills and so, students are encouraged to	
Charact	eristics (Division in Le		Will flot be eligible	<u>e 101 e</u>	valuation		
□ Active		01 01000 /	☐ Aided by I		☑ Applicable t	o Rem	ote Class	☐ Instructor Professionally Experienced	
Course	Dlan								
Course	Piaii		Theme			Goals			
		1.04	Review of the to	pics covered in the the second seme	e first semester,	Can s		write in French based on the d in the first semester.	
		2nd	Lesson 7: Let's t		3001	Can ta	alk about	breakfast. Can use the verb xplain French cuisine.	
		3rd	Lesson 8: Let's g	go on a trip!		Can ta	alk about	destinations. Can talk about ns. Can use sentences in the near	
	3rd Quarter	4th	Lesson 9: Let's t	alk about the wea	ther!			g weather expressions.	
	Quarter	5th	Lesson 9: Let's s	ay the time and d	uration!			ne and duration.	
		6th	Lesson 10: Let's compare.					g comparison expressions.	
		7th	Lesson 11: Let's shop!				se numbe nt of shop	ers up to 100. Can tell the total oping.	
2nd Semeste		8th	Review			Under learne	standing d so far.	the weak points on the content	
r		9th	Lesson 11: Let's	ask the way!		Can u	se comm	and forms. Can give directions.	
		10th	Lesson 12: Let's	explain what you	do on a day!		reate sen esent ten	tences using pronominal verbs in	
		11th	Lesson 12: Let's	explain what you	do on a day!			what they do on a normal day.	
		12th		talk about custom	•	Can ta	alk about	customs of the French people. Can	
	4th Quarter	13th	Lesson 14: Let's your trip! (1)	talk about what y	ou did during	Under		buvoir. Can use personal pronouns. w to form the perfect tense using use it.	
		14th		talk about what y	ou did during	Under	stand hov	w to form the perfect tense and e using être, and can use them	
		15th	Summary of Les	sons 14 and 15				what they did yesterday based on in a normal day learned in Lesson	

	16th	Final exam							
Evaluation Method and Weight (%)									
	試験	発表	相互評価	態度	ポートフォリオ	その他	Total		
Subtotal	50	0	0	30	0	20	100		
基礎的能力	50	0	0	30	0	20	100		
専門的能力	0	0	0	0	0	0	0		
分野横断的能力	0	0	0	0	0	0	0		

А	kashi Co	ollege		Year	2023		Course Title	Mathe	matical Concepts
Course :	Informa	tion							
Course Co	ode	5414				Course Categor	y Gener	al / Elective	
Class Forr	mat	Lecture				Credits	Schoo	l Credit: 1	
Departme	ent	Electrica Compute	l and er En	l Computer Er gineering Cou	ngineering urse	Student Grade	4th		
Term		Second 9	Seme	ester		Classes per We	ek 2		
Textbook Teaching		碓氷久ほ	か ナ	大学編入のため	の数学問題集 大	日本図書			
Instructor	-	MATSUM	1IYA .	Atusi					
(1)確率 (2)線型 (3)微積 (4)抽象	2代数の諸概 気分の諸概念 限的枠組を見	注理解し、確 記念を理解し なを理解し、 は体的問題に	、行列確実が 確実が 適用で	列やベクトルに な計算を身につ する能力を獲得	t、いろいろな問題 関する確実な計算 け、いろいろな問 りし、適切な試験答 のり達成度をはかる	を身につけ、いろ 題をこなせるよう 案の作りかたを身	いろな問題をこ	こなせるよう	になること。
Rubric			山崎大	C 州 八 山 州 大 に ひ	り足成皮ではかる	•			
KUDITC			ŦĦ	 !想的な到達レ/	ベルの日安	標準的な到達レ/	ベルの日安	土列法	 レベルの目安
評価項目1			確な		十分理解し、確実 ナ、いろいろな問	確率の諸概念を理算を身につけいる くことが出来る。	里解し、確実な ろいろな問題を	確率のな計算	諸概念を理解できず、確実 を身につけていないのでい な問題を解くことが出来な
評価項目2			行算	列やベクトルは	念を十分理解し、 こ関する確実な計 ろいろな問題を十 来る。	線型代数の諸概念 やベクトルに関す 身につけいろいる とが出来る。	する確実な計算	列 線型代 行列や	数の諸概念を理解できず、 ベクトルに関する確実な計 につけいろいろな問題を解 が出来ない。
評価項目3			実	積分の諸概念を な計算を身にで を十分解くこと	を十分理解し、確 つけいろいろな問 とが出来る。	微積分の諸概念を計算を身につけい 解くことが出来を	ハろいろな問題	堂 実な計	の諸概念を理解できず、確 算を身につけていないので ろな問題を解くことが出来
評価項目4				象的枠組を具体 能力を十分獲得	本的問題に適用す 导している。	抽象的枠組を具体の	本的問題に適用 ている。		枠組を具体的問題に適用す を獲得出来て 。
Assigne	d Depar	tment Ob	oject	tives					
Teachin	g Metho	d							
Outline		高専で学 って数学 臨む学生	習した的能力の受験	に数学に初歩の 力を高め、さら 険対策の機会に	確率論の学習を含めて高度な数学に親こもなるようにした(め、これらに関し [*] しめる能力を身に [*] い。	て復習と問題演 つけることを目	質習を行う。? 目標とする。?	多くの問題を解くことによ 付随的に、大学編入試験に
Style					間を行い確認小試				
Notice		ように心として有	がけ、 効には	講義の進行と はならないので	は別に各自でどん。	どん学習を進めてい	。自分が必要と いくべきである	:なる範囲を る。受け身の	自分自身で見定めて調べる 受講姿勢では編入試験対策
Charact	eristics o			rision in Lea	• • • • • • • • • • • • • • • • • • • •				
☑ Active		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Aided by IC	-	☑ Applicable to	o Remote Cla	ss	tructor Professionally enced
Course	Dlan								
Course	1 1011		Then	me		T	Goals		
		1st	基礎第	数学の復習1 次に学習した数	女学Aの内容につい ⁻	て、復習と問題	基礎数学の内容	容を理解して	いる。
		2nd	基礎第	<u>をおこなう。</u> 数学の復習 2 次に学習した数 をおこなう。	対学Bの内容につい ⁻	て、復習と問題	基礎数学の内容	容を理解して	いる。
		3rd	一変数	数関数の微分	こついて、復習と問	題演習をおこな	1変数関数の	散分について	理解している。
2nd	3rd	4th	一変数	数関数の積分 数関数の積分に	こついて、復習と問	題演習をおこな	1変数関数の	責分について	理解している。
Semeste r	Quarter	5th	関数の		ごべき級数、テイラ 復習と問題演習を	ーの定理とテイ おこなう。	関数の展開に	ついて理解し	ている。
		6th	多変数主とし	数関数の微積分)(1) 対の、偏微分、極値		多変数関数の	微分について	理解している。
		7th	多変数	数関数の微積分		、計算法と利用	多変数関数の	責分について	理解している。
		7 (11	法を行	復習し、問題演	<u>習をおこなう。</u>	(BI A AACI III II			

	4th Quarter	9th	微分方程式 一階、二階の微分方 を復習し、問題演習 やや外れるような問 あげ、問題演習をお	をおこなう。また 関題や、連立微分方	基本的な型から	簡単な1階線形微分方程式を解くことができる。定数 係数2階斉次線形微分方程式を解くことができる。				
		10th	ベクトル 空間内の図形、線形 演習をおこなう。	※独立・線形従属な	どの復習と問題	ベクトルに関する問題を解くことが出来る。				
		11th	行列と行列式 行列と行列式の計算 立一次方程式の解法 。			行列に関する問題を解くことが出来る。				
		12th	線形変換 線形変換とその表現行列、行列の固有値と固有ベクト ル、行列の対角化について、復習と問題演習をおこな う。			線形変換、固有値と固有ベクトルに関する問題を解く ことが出来る。				
		13th	ベクトル空間 ベクトル空間、部分 いて、やや抽象的な)空間、基底・次元 に問題の復習と演習	、線形写像につ をおこなう。	ベクトル空間、部分空間、基底・次元、線形写像に関 する問題を解くことが出来る。				
		14th	確率 古典的確率概念と具体的問題 素朴な確率概念と、条件つき確率や期待値などの概念 を学び、具体的な問題の例をとりあげる。			独立試行の確率、余事象の確率、確率の加法定理、排 反事象の確率を理解し、簡単な場合について、確率を 求めることが出来る。条件付き確率、確率の乗法定理 、独立事象の確率を理解し、簡単な場合について確率 を求めることが出来る。				
		15th	複数の分野にまたか	まざまな複合的問題 数の分野にまたがる知識を必要とする問題をいくつ とりあげ、問題演習をおこなう。			適切な試験答案の作りかたを身につけている。			
		16th	期末試験							
Evaluation Method and Weight (%)										
症			発表	相互評価	態度	ポートフォリオ	その他	Total		
Subtotal	50		0	0	0	0	50	100		
基礎的能力	50		0	0	0	0	50	100		
専門的能力	0		0	0	0	0	0	0		
分野横断的	能力 0		0	0	0	0	0	0		

Akashi College			Year	r 2023			urse itle	Japanese IV-1	
Course	Informa	tion							
Course Code 5416					Course Categor	Course Category Ge		General / Compulsory	
Class Format Lecture					Credits	School Cre		edit: 1	
Departme	Department Electric Compu		l and Computer Engineering er Engineering Course		Student Grade		4th		
Term		First Seme			Classes per Week 2				
Textbook allu/ol 一ズ演習		担当者がプ ーズ演習』 版)	リントを配布する (スリーエーネッ	る。<参考教材>鎌E トワーク)、浜田原	田美千子・仁科浩美著『アカデミック・ライティングのためのパラフレ 麻里ほか著『大学生と留学生のための論文ワークブック』(くろしお出				
Instructor	1	KUBOTA I	kumi						
Course	Objectiv	es							
1. 適切です 2. クラス:	効果的なこ。 メートとの	とばを使い、身 アイディア共有	ł近な話題をテー ⁻ fや意見交換をとる	マにして論文が書け おして、自分の日本	る。 語力や考え方を見	直すこと	こができる	5.	
Rubric								1	
			理想的な到達レ	標準的な到達レベルの目安			未到達レベルの目安		
評価項目1				組み立て方やこと 解し、また適切に 文が書ける。	文章の組み立て方やことばの使い 方に不自然な点はあるが、理解は しており、ある程度論理的に文章 が書ける。		理解は	論理的な文章の組み立て方やこと ばのルールがあまり理解できず、 論理的な文章が書けない。	
評価項目2			クラスメートとでし、自分の日本記だけでなく、相助言をすることが	の言語活動に参加 語や考えを見直す 手にもコメントや ができる。	クラスメートとの言語活動に参加 し、自分の日本語や考えを見直す ことができる。		動に参加 を見直す	クラスメートとの言語活動にあまり参加できない。または、参加できるが、自分の日本語や考えを見直すことができない。	
Assigne	d Depar	tment Obje	ectives						
<u>Te</u> achin	g Metho	od							
Outline		本授業ではを養う。	、アカデミック・	ライティングに必要	要な言語表現を学び	び、学術に	的な文章	が書けるようになるための日本語力	
Style		学術的な文	章に触れるとともに、論文の構成を意識しながら実際に文章を書く練習を重ねる。また、さまざまなパラフ おして、アカデミック・ライティングに必要な言語表現が適切に使えるようになるための練習を行う。					———— を重ねる。また、さまざまなパラフ ようになるための練習を行う。	
Notice				(割合) 1/4以上のグ					
Charact	eristics	of Class / [Division in Le	arning					
☑ Active		,		☐ Aided by ICT ☐ Applicable to		Remot	Remote Class		
Course	Plan	<u> </u>							
			neme		Goals ₩₩ •	als 美の目標および内容を把握する。			
			リエンテーション		放来の目標のよび内谷で記録する。 論文を書くときに気をつけるべきことがわかえ				
		2nd イ 単	ントロダクション 語の言い換え(書 	ントロダクション 語の言い換え(書き言葉)			明文で言くとことができる。 自分が授業で扱いたいテーマについて考えることがで きる。		
	1st Quarter		文の構成 語の言い換え(ホ				どのように論文を構成したらわかりやすい論文になる いがわかる。		
			論のまとめ方 語の言い換え(名	(名詞化)			論のまとめ方がわかり、与えられたテーマについて E際に論文の構成を考え、書いてみることができる。		
			の種類 語の言い換え(ジャンルによる使い分け)			事実、意見、行動を述べる文それぞれの特徴と、どの 構成要素に使われる文であるかがわかる。そのうえで 、短い論文が書ける。			
1st Semeste r		6th 序	論(背景説明)			論文の背景説明を行う方法がわかり、与えられたテーマについて実際に書いてみることができる。			
		7th 序	論(問題提起と方向付け) 味の言い換え(長い文/複数の文)			与えられた読み物から問題点が見つけられる。また、 その問題をどのように解決しようとするのかという計 画が示せる。			
			る 頭味の言い換え(上位概念)			身近なテーマについて論文の序論が書ける。			
	2nd Quarter		本論(論拠提示) 意味の言い換え(簡潔な表現)			事実と意見の違いがわかり、両者を書き分けることができる。			
		10th 本意	s論(論拠提示) 原味の言い換え(含意/解釈)			客観的な表現を使って事実が説明できる。			
		11th 本	、論(結論提示)			論拠を受けて論理的に導いた意見が書ける。			
		12th 本	に論(論の展開)			論文の例を読み、その中の論がどのように展開されて いるかがわかる。			
		13th 本	論			あるテー	マについ	て論文の本論が書ける。	
		14th 結	び (まとめ、評価)			論文の全体のまとめの書き方がわかる。また、書きあ がった論文に評価を加えることができる。			
		15th 結	び(展望提示)	提示)			結論から考えられる将来に向けての展望について言及 できる。		
		16th ま	まとめと振り返り			授業を通して新たに発見したこと、考えが変わったこと、さらには自分の日本語の能力と技能がどうなったかについて説明できる。			
Evaluati	ion Meth	od and We	aight (%)						

	発表・成果物	課題提出	授業態度	Total
Subtotal	70	10	20	100
基礎的能力	20	10	0	30
専門的能力	20	0	0	20
分野横断的能力	30	0	20	50

А	kashi Co	llege		Year	2023			(Course Title	Japane	ese IV-2
Course :	Informat	ion						•			
Course Co	ode	541	7				Course Cated	jory	General ,	/ Compul	Isory
Class Forr	nat	Lect	ure				Credits	,	School C		,
Departme	ent			d Computer En ngineering Cou			Student Grad	le	4th		
Term		Sec	ond Sem	ester			Classes per V	Veek	2		
Textbook Teaching			ントを配								
Instructor	•	TAN	IGE Atsul	ko							
Course	Objectiv	es									
2. クラスン	メートとのフ	ァイディ	ィア共有や	丘な話題をテーマ 9意見交換をとお 分の考えを述べる	らして、自分	かの日本	る。 語力や考え方を 	見直する	ことができる	5.	
Rubric	Rubric										
			理	理想的な到達レベ	いの目安		標準的な到達し	ノベルの	目安	未到達	レベルの目安
評価項目1		論理的な文章のは はのルールを理 使いこなし、論			なし、また通	適切に	文章の組み立て 方に不自然ない しており、ある が書ける。	点はある	が、理解は	ばのル	な文章の組み立て方やこと ールがあまり理解できず、 な文章が書けない。
評価項目2			した	フラスメートとの レ、自分の日本語 ごけでなく、相手 カ言をすることか	や考えを見 にもコメン	こ参加 見直す ントや	クラスメート。 し、自分の日 ² ことができる。	本語や考	活動に参加 えを見直す	り参加きるが	メートとの言語活動にあま できない。または、参加で 、自分の日本語や考えを見 とができない。
評価項目3			日本文化に対する理解を深め、自 分の考えを適切な表現を使って述 べることができる。				日本文化に対する程度自分のできる。				化に対する理解があまり深 、自分の考えを述べること ない。
Assigne	d Depart	men	t Objec	ctives							
	g Metho		•								
Outline	9 1 100110	本授	業では、 れること	アカデミック・ [・] で、日本文化に	 ライティン 対する理解	·グにふる	さわしい文章が ることも目的と	 書けるよ する。	うになるこ	とを目指	す。また、日本の文学作品
Style				章を読むととも					 :りする。		
Notice		_		しない欠席条件の							
Charact	eristics o			vision in Lea							
☑ Active				Aided by ICT			☑ Applicable	to Ren	note Class	☐ Ins Experi	structor Professionally enced
Course	Plan										
			The	me				Goals	5		
		1st		エンテーション				授業(り目標およて	が内容を把	握する。
		2nd	小論	文を書く(1)							けるべきことがわかる。
		3rd	小論	文を書く(2)							たら、わかりやすい小論文
		4th	小論	<u></u> i文を書く(3)					になるかがわかる。 適切な表現を使って小論文を書くことができる。		
	3rd Quarter	5th		<u>(を読む(1)</u>					適切な表現を使うで小舗文を書くことができる。 論理的展開と論証を理解し、説明することができ		
	Quarter	6th	論文	を読む(2)							、説明することができる。
		7th	論文	を読む(3)							意見をあげることができる
		8th	日本	の小説を読む(1)			表現きる。	・構成に注意	意して小説	の展開を理解することがで
2nd Semeste		9th	日本	の小説を読む(2)				・構成に注意	気して小説	の展開を理解することがで
r		10th	日本	の小説を読む(3)				を理解したよ	で、自分	の意見を述べることができ
		11th	関西	 iを舞台にした文	 学作品を読	む (1)	1	T .	構成に注意	 気して理解	 ?することができる。
		12th	関西	を舞台にした文	学作品を読	む (2)	l	表現	・構成に注意	気して理解	: することができる。
	4th	13th	関元	iを舞台にした文	学作品を詰	ままい(3)	1	1	を理解したよ	で、自分	↑の意見を述べることができ
	Quarter						<u> </u>	る。	****	-=400	. 7
		14th	自人	一首に親しむ(1)				-首について -首の歌につ		<u>:る。</u> 分の意見を述べることがで
		15th	百人	一首に親しむ(2)			日入 ⁻ きる。	一目の歌に、	いて、日	ガの息兄を述べることがで
		16th	まと	めと振り返り				ا کر 5	を通して新た さらには自分 ついて説明で	か日本語	たこと、考えが変わったこ の能力と技能がどうなった
Evaluati	on Meth	od ar	nd Wei	ght (%)			<u> </u>				
		発表・成果物 課題提出					授業態度	支		Total	
Subtotal	· 		70		10			20	· 		100
基礎的能力)		20		10			0			30
専門的能力)		20		0			0			20

// mg1++ wc +5 4× 1	20		20	
分野横断的能力	30	10	[20	50

Д	Akashi Co	ollege	Year	2023			ourse Fitle	Co+work Ⅲ A		
Course	Informa	tion								
Course Co		5418			Course Catego		•	d / Compulsory		
Class For	mat	Seminar			Credits		School Credit: 1			
Departme	ent	Comput	l and Computer I er Engineering Co	ngineering Surse	Student Grade		4th	1		
Term		First Ser			Classes per We	ek	2			
Textbook			ired textbook and	I the required mate	erial will change	accordi	ng to the	contents of the activity of each		
	Materials	team.								
Instructo	Objectiv	All facult	-У							
1) Self-re 2) Co-ope	eliance: To eration ski	acquire inc lls: To gain	the ability to wor	f-management abing the second	spect the teamn	nates. ver and	propose s	olutions to problems.		
Rubric			<u> </u>	<u> </u>	, , , , , , , , , , , , , , , , , , ,					
			Ideal Level		Standard Level			Unacceptable Level		
1 Self-rel	iance		Schedule man reporting, con planning goals teammates	tact, consultation,	Individually abl management, contact, consul goals.	reportir	ıg,	Not able to schedule management, reporting, contact, consultation, and planning goals		
2 Co-ope	ration skill	S	to express the	ent opinions, able student personal bility to lead the onsensus.	Open to differe to express the opinion, and at attributed role	student pility to	personal play the	Not open to different opinions, not able to express the student personal opinion, and can't to play the attributed role in the team.		
3 Creative	e Skills		gather information, formation, formation,	dent can voluntarily nformation, organize gather information, organize and summarize this information, and explain those information, and car				The student can't voluntarily gather information, can't organize and summarize this information, and can't explain those ideas to others.		
Assigne	ed Depar	tment Ol	ojectives							
Teachin	ng Metho	d								
Outline		charge a someon will revis 2nd,3rd group w	and challenge the e other than the b se their plan after , and 4th academ ith multiple stude	mselves in creating team members. Ear its presentation a nic year students frents. After each stu	g something or pach team has to team has to team has to team all four depandent introduces	perform elabora ion and artment thems	activities te a plan a retrospect s are rand elves to th	students from other is to work with the instructor in that will bring happiness to and do its activities. The student tive evaluation. omly selected to compose a e team, they will perform ice p. Later the team will discuss		
Style		and disc toward a of self-re teacher individual perform	over a problem to a solution to the peliance, co-opera in charge of the to al goals. The coul	o work with, make problem. Through tion, and creativity team. Based on the rse rubric is used to	plans, divide ro working to solve After the cour course rubric co self-evaluation	les amo this pr se start listribut mutur	ong the me oblem the c, make su ed in class al evaluation	embers and work together students will achieve the goals re that you can contact the each student has to establish on, and to evaluate the nt has to fill a retrospective she		
Notice		evaluation the end	on by the teacher of the term (2).	e course is compose in charge of the to r more of classes v	eam (1), and m	ultiple f	aculty mer	ents, mutual evaluation, mbers at the briefing session at		
Charact	teristics	of Class /	Division in Le	earning						
☑ Active	Learning		☑ Aided by I	CT	☑ Applicable t	o Remo	te Class	☐ Instructor Professionally Experienced		
	Dlan									
Cource										
Course	1		Theme			Goals				
Course		1st	members of each confirmation of cadvice regarding evaluation methoteam and the team	uidance, presentat n team, team build course schedule, re the activities, exp od. Later team me acher in charge me n building.	ling guidance, estrictions and lanation of the mbers and the		uire Self-r	eliance, Co-operation and		
1st Semeste r	1st Quarter	1st	Course overall g members of each confirmation of cadvice regarding evaluation methe team and the teat together on team Each student set goals. The team the activities. La goal, the group of method, division	n team, team build course schedule, re the activities, exp od. Later team me acher in charge me	ling guidance, strictions and lanation of the mbers and the eet and work es, and self-and a theme to e team activity plementation e members	To acq Creativ	e Skills.	eliance, Co-operation and eliance, Co-operation and		

Cross Area Proficiency			24	12	20	20	0	100	
Specialize Proficiency	/ 0		0	0	0	0	0	0	
Basic Proficiency			0	0	0	0	0	0	
Subtotal	24		24	12	20	20	0	100	
	Se	dividual lf-reliance ocess)	Individual Co-operation (process)	Individual Creativity (process)	Team Co- operation (process)	Team Creativity (process)	Other	Total	
Evaluati			Veight (%)	Γ			1	1	
		16th	No end-term Exam	1					
		15th	Retrospective mee The group will disc briefing session an The students will e metually their achi regarding self-relia creativity.	cuss the results from the team of the contract	rom the m action plan. ally and goals,	To acquire Self-reliance, Co-operation and Creative Skills.			
		14th	Retrospective mee The group will disc briefing session an The students will e mutually their achi regarding self-relia creativity.	cuss the results from the team of the team	rom the m action plan. ally and goals,	To acquire Self-reliance, Co-operation and Creative Skills.			
			Briefing session: Rand listen to report			To acquire Self-reliance, Co-operation and Creative Skills.			
	2nd Quarter	12th	Team activities: W plan. The action plan according to sched of the implemental the briefing sessior	an may be modifule delay, the indicate in the	fied/changed, completeness	To acquire Self-re Creative Skills.	eliance, Co-opera	ition and	
		11th	Team activities: W plan. The action pl according to sched of the implemental the briefing sessior	an may be modifule delay, the indition method, etc.	fied/changed, completeness	To acquire Self-re Creative Skills.	eliance, Co-opera	ation and	
		10th	Team activities: W plan. The action placcording to sched of the implemental the briefing session	an may be modit ule delay, the indition method, etc. n.	fied/changed, completeness . Prepare to	To acquire Self-re Creative Skills.	eliance, Co-opera	ition and	
		9th	Team activities: W plan. The action placecording to sched of the implemental the briefing session	an may be modifule delay, the indition method, etc.	fied/changed, completeness	To acquire Self-re Creative Skills.	eliance, Co-opera	ition and	
		8th	No mid-term Exam	1					
			Team activities: W plan.	ork according to	the action	To acquire Self-re Creative Skills.	eliance, Co-opera	ition and	
		6th	Team activities: W plan. The action placcording to sched of the implemental	an may be modifule delay, the inc	fied/changed, completeness	To acquire Self-re Creative Skills.	eliance, Co-opera	ition and	
		5th	Setting targets and action plan. Accord the team, the group them. The group we decide the method role sharing, sched	ling to the theme ip will draw ideas vill establish the a to achieve it, de	e and goals of s and discuss activity goal, ecide members'	To acquire Self-re Creative Skills.	eliance, Co-opera	ition and	
		4th	Each student set the goals. The team we the activities. Later goal, the group will method, division of and schedule, which action plan.	ill discuss ideas a r according to the Il work on the im f roles among the	and a theme to e team activity plementation e members	To acquire Self-re Creative Skills.	eliance, Co-opera	ition and	

Д	kashi Co	ollege	Year	2023		Course Title	; (Co+workⅢB	
Course	Informa	tion							
Course Co	ode	5419			Course Catego	ry Specia	alized	d / Compulsory	
Class For	mat	Seminar			Credits	Schoo	l Cre	edit: 1	
Departme	ent		l and Computer E er Engineering Co		Student Grade	4th			
Term		1 .	Semester		Classes per We	eek 2			
Textbook			red textbook and	I the required mate	erial will change	according to the contents of the activity of each			
Teaching Instructor		team. All facult							
	Objectiv		-у						
1) Self-re 2) Co-ope	liance: To eration skil	acquire ind lls: To gain	the ability to wor	f-management abirk in teams and reser and organize inf	spect the teamn	nates. ver and propo	se so	olutions to problems.	
Rubric									
			Ideal Level		Standard Level			Unacceptable Level	
1 Self-reli	iance		Schedule man reporting, con planning goals teammates	tact, consultation,	Individually abl management, contact, consul goals.	reporting,		Not able to schedule management, reporting, contact, consultation, and planning goals	
2 Co-ope	ration skill	S	to express the	ent opinions, able student personal bility to lead the onsensus.	Open to differe to express the opinion, and at attributed role	student perso pility to play t	nal	Not open to different opinions, not able to express the student personal opinion, and can't to play the attributed role in the team.	
3 Creative	e Skills		The student can voluntarily gather information, organize and summarize this information, form ideas and information, and explain those information.				The student can't voluntarily gather information, can't organize and summarize this information, and can't explain those ideas to others.		
Assigne	d Depar	tment Ob	ojectives						
Teachin	ig Metho	od							
Outline		student departm charge a someone	can contribute to ents, different ag and challenge the e other than the	a team in a variet ge, and people fron mselves in creating	y of environmer n outside the scl g something or p ich team has to	nts (working v hool). Each g perform activi elaborate a p	vith s oup ties t lan a	itive skills in a manner that the students from other is to work with the instructor in that will bring happiness to ind do its activities. The students ive evaluation.	
Style		group w breaks a and disc toward a of self-re teacher individua performa	ith multiple stude nd other activitie over a problem to a solution to the peliance, co-opera in charge of the to al goals. The cou	ents. After each stuss that will help to lower with, make orroblem. Through tion, and creativity team. Based on the se rubric is used to	Ident introduces build relationship plans, divide ro working to solve . After the cour course rubric to self-evaluation	themselves to the within the les among the this problem se start, mak distributed in mutual evaluments.	to the group e me the sur class uation	omly selected to compose a e team, they will perform ice p. Later the team will discuss imbers and work together students will achieve the goals that you can contact the each student has to establish on, and to evaluate the has to fill a retrospective sheet	
Notice		evaluation the end	on by the teacher of the term (2).	e course is compose in charge of the to r more of classes v	eam (1), and m	ultiple faculty	men	ents, mutual evaluation, nbers at the briefing session at	
Charact	eristics (•	Division in Le						
☑ Active	Learning		☑ Aided by I		☑ Applicable t	o Remote Cla	SS	☐ Instructor Professionally Experienced	
Course	Plan								
Course	lan		Theme			Goals			
		Course overall guidance, presentation members of each team, team building confirmation of course schedule, resultation advice regarding the activities, explained evaluation method. Later team menteam and the teacher in charge meates together on team building.					elf-re	eliance, Co-operation and	
2nd Semeste r	Each student set the ac goals. The team will die the activities. Later acc goal, the group will wo			the activity target will discuss ideas a ter according to the will work on the im of roles among the	and a theme to e team activity plementation e members	To acquire S Creative Skil	elf-re	eliance, Co-operation and	
		3rd	goals. The team the activities. La goal, the group wethod, division	the activity target will discuss ideas a ter according to th will work on the im of roles among th hich will be summa	and a theme to e team activity plementation e members	To acquire S Creative Skil		eliance, Co-operation and	

Cross Area Proficiency			24	12	20	20	0	100	
Specialize Proficiency	/ 0		0	0	0	0	0	0	
Basic Proficiency			0	0	0	0	0	0	
Subtotal	24		24	12	20	20	0	100	
	Se	dividual lf-reliance rocess)	Individual Co-operation (process)	Individual Creativity (process)	Team Co- operation (process)	Team Creativity (process)	Other	Total	
Evaluati			Veight (%)	I	T_		T		
		16th	No end-term Exam	1					
		15th	Retrospective mee The group will disc briefing session an The students will e mutually their achi regarding self-relia creativity.	cuss the results for d review the tea evaluate individual eved points and	rom the m action plan. ally and goals,	To acquire Self-re Creative Skills.	eliance, Co-opera	ation and	
		14th	Retrospective mee The group will disc briefing session an The students will e mutually their achi regarding self-relia creativity.	cuss the results for d review the tea evaluate individual eved points and	rom the m action plan. ally and goals,	To acquire Self-reliance, Co-operation and Creative Skills.			
			Briefing session: R and listen to report			To acquire Self-reliance, Co-operation and Creative Skills.			
	4th Quarter	12th	Team activities: W plan. The action pl according to sched of the implementathe briefing session	an may be moditule delay, the indition method, etc	fied/changed, completeness	To acquire Self-re Creative Skills.	eliance, Co-opera	ation and	
		11th	Team activities: W plan. The action pl according to sched of the implementathe briefing session	an may be modit lule delay, the ind tion method, etc	fied/changed, completeness	To acquire Self-reliance, Co-operation and Creative Skills.			
		10th	Team activities: W plan. The action pl according to sched of the implemental the briefing session	an may be modit lule delay, the ind tion method, etc	fied/changed, completeness	To acquire Self-re Creative Skills.	eliance, Co-opera	ation and	
		9th	Team activities: W plan. The action pl according to sched of the implementathe briefing session	an may be moditule delay, the indition method, etc	fied/changed, completeness	To acquire Self-re Creative Skills.	eliance, Co-opera	ation and	
		8th	No mid-term Exam	1					
		7th	Team activities: W plan.	ork according to	the action	To acquire Self-re Creative Skills.	eliance, Co-opera	ation and	
		6th	Team activities: W plan. The action pl according to sched of the implemental	an may be moditule delay, the in-	fied/changed, completeness	To acquire Self-re Creative Skills.	eliance, Co-opera	ation and	
		5th	Setting targets and action plan. Accord the team, the group with them. The group with decide the method role sharing, schedule.	ling to the theme ip will draw ideas vill establish the to achieve it, de	e and goals of s and discuss activity goal, ecide members'	To acquire Self-re Creative Skills.	eliance, Co-opera	ation and	
		4th	Each student set the goals. The team we the activities. Later goal, the group will method, division or and schedule, which action plan.	ill discuss ideas a r according to the Il work on the im f roles among the	and a theme to e team activity plementation e members	To acquire Self-re Creative Skills.	eliance, Co-opera	ation and	

A	Akashi Co	ollege	Year	2023		Course Title	Electronic Circuits I		
Course	Informa	tion	·	•					
Course Co		5421			Course Category		zed / Compulsory		
Class For	mat	Lecture			Credits	School C	Credit: 1		
Departme	ent	Electrical a Computer	and Computer E Engineering Co	ingineering ourse	Student Grade	4th			
Term		First Seme	ester		Classes per Weel	/eek 2			
Textbook	and/or Materials								
Instructo		OHMUKAI	Masato						
Course	Objectiv	es							
1) Understhem, and 2) Accurathese circ 3) Accura 4) Accura	stand the order that the order than the order that the order than	characteristic yze these cin stand the pri stand the pri stand the pri	cuits. nciples and pro nciples and pro	perties of negative	e-feedback circuits using arithmetic ar	and various a	operties of basic circuits using amplifier circuits, and can analysis analyze and design these circuits. circuits, and can analyze and		
Rubric									
			Ideal Level		Standard Level		Unacceptable Level		
Achievem	nent 1		of active elements of the understand the properties of b	e characteristics ents, accurately e principles and pasic circuits using analyze these	Understand the confective element the principles and basic circuits using can analyze these	ts, understand d properties on a them, and	characteristics of active		
Achievem	nent 2		Accurately und principles and negative-feedly various amplifican analysis the	properties of pack circuits and ier circuits, and	Understand the properties of neg circuits and vario circuits, and can circuits.	jative-feedbac ous amplifier	principles and properties of		
Achievem	nent 3		Understand th properties acc analyze and do using arithmet	esian ćircuits	Understand the properties, can a design circuits us amplifiers.	inalyze and	Do not understand the principles and properties of circuits using arithmetic amplifiers.		
			Accurately und principles and oscillator, modemodulator canalyze and decircuits.	properties of dulator, and circuits, and can	Understand the properties of osci modulator, and carcuits, and can design these circ	illator, demodulator analyze and	Do not understand the principles and properties of oscillator, modulator, and demodulator circuits.		
		<u>tment Obj</u>	ectives						
Teachin	ng Metho								
Outline				of analogue electrements of analogue electrements of and operation		active eleme	nts such as diodes, transistors,		
Style		Classes w		ecture style, mainly	y by explaining co	ntent followin	g the textbook. Students will work		
Notice		Students	are required to l	issignificates as app					
Notice		should co	istruct the circu		nd study its opera	ation.	its themselves. If possible, they grade.		
	eristics	Students	istruct the circu	learn in an active r uit they designed a r more of classes w	nd study its opera	ation.			
Charact	ceristics of Learning	Students	nstruct the circu who miss 1/3 or	learn in an active r uit they designed a r more of classes w earning	nd study its opera	ation. for a passing	grade.		
Charact	e Learning	Students of Class / I	nstruct the circu who miss 1/3 or Division in Le	learn in an active r uit they designed a r more of classes w earning	nd study its opera will not be eligible	for a passing of	grade.		
Charact	e Learning	Students Of Class / I	nstruct the circu who miss 1/3 or Division in Le	learn in an active r uit they designed a r more of classes w earning	nd study its opera will not be eligible i	Remote Class Soals	☐ Instructor Professionally Experienced		
Charact	e Learning	Students of Class / I	nstruct the circular who miss 1/3 or Division in Le	learn in an active r uit they designed a r more of classes w earning	Ind study its opera will not be eligible. Applicable to line in the control of t	Remote Class Soals Inderstand the lectrical conductors Inderstand the miconductors	Instructor Professionally Experienced etypes of semiconductors and the action principles within s.		
Charact	e Learning	Students of Class / I	nstruct the circular who miss 1/3 or Division in Le	learn in an active r uit they designed a r more of classes w earning	Indicate the study its operation of the study its operation of the study its operation. It is a study its operation of the study	Remote Class Goals Inderstand the lectrical conductors Inderstand the haracteristics Inderstand the haracteristics	Instructor Professionally Experienced etypes of semiconductors and the action principles within s. e rectification and voltage current of pn junction.		
Charact Active	Plan	Students of Class / I	nstruct the circular who miss 1/3 or Division in Le Aided by Id heme emiconductor iode	learn in an active r uit they designed a r more of classes w earning	Indicate study its opera will not be eligible in the eligible of the eligible	Remote Class Goals Inderstand the lectrical conductors and emiconductors and the haracteristics and the haracteristics and emiconductors and the haracteristics and the tatic properties.	Instructor Professionally Experienced etypes of semiconductors and the action principles within s. e rectification and voltage current of pn junction. e basic structure, behavior and s of transistors. e basic structure, operation and		
Charact Active Course	Plan	Students of Class / I	nstruct the circular the circul	learn in an active r uit they designed a r more of classes w earning	Indicate the study its operation of the study its operation of the study its operation. In the study its operation of the study is study in the study in the study is study in the study in	Remote Class Goals Inderstand the lectrical conductors Inderstand the haracteristics Inderstand the haracteristics Inderstand the haracteristics Inderstand the tatic propertie Inderstand the tatic propertie	Instructor Professionally Experienced etypes of semiconductors and the action principles within s. e rectification and voltage current of pn junction. e basic structure, behavior and s of transistors. e basic structure, operation and s of FETs. e basic structure, operation and		
Charact Active	Plan	Students of Class / I	nstruct the circular the circul	learn in an active r uit they designed a r more of classes w earning	Indicate the study its operation of the study its operation of the study its operation. In the study its operation of the study is study in the study in the study is study in the study in	Remote Class Goals Junderstand the lectrical conductors Inderstand the haracteristics Junderstand the lattic propertie	Instructor Professionally Experienced etypes of semiconductors and the action principles within s. e rectification and voltage current of pn junction. e basic structure, behavior and s of transistors. e basic structure, operation and s of FETs. e basic structure, operation and s of IC. e basics of transistor amplifier		
Charact Active Course	Plan	Students of Class / I	heme emiconductor iode ransistor amplif	learn in an active r uit they designed a r more of classes wearning CT	Indicate study its opera vill not be eligible in the eligible of the eligible	Remote Class Goals Junderstand the lectrical conductors are conductors and the haracteristics and the tatic propertie and the tatic properties and the tatic prop	Instructor Professionally Experienced etypes of semiconductors and the action principles within s. et rectification and voltage current of pn junction. et basic structure, behavior and sof transistors. et basic structure, operation and sof FETs. et basic structure, operation and sof IC.		
Charact Active Course	Plan	Students Students	heme emiconductor iode erransistor amplif	learn in an active ruit they designed a rmore of classes wearning	Indicate study its opera will not be eligible in the eligible of the eligible	Remote Class Goals Inderstand the lectrical conductors Inderstand the haracteristics Inderstand the tatic propertie Inder	Instructor Professionally Experienced etypes of semiconductors and the action principles within s. e rectification and voltage current of pn junction. e basic structure, behavior and sof transistors. e basic structure, operation and sof FETs. e basic structure, operation and sof IC. e basics of transistor amplifier w to design a simple bias circuit for		

		11th	Emitter ground amp	olifier circuit		Understand gain, output impedance	frequency band, input and e in transistor amplifier circuits.		
		12th	Transistor negative-	nsistor negative-feedback amplifier circuit			Understand negative-feedback amplifier circuits using transistors.		
		13th	FET bias circuit	bias circuit			Understand how to design a simple bias circuit for an amplifier circuit using FETs.		
		14th	FET equivalent circu	uit		Understand the a amplifier circuit u	nalysis of a source ground using an equivalent circuit.		
		15th	FET negative-feedba	ack amplification	n circuit	Understand negative-feedback amplifier circuit using FETs.			
		16th	Final exercise						
Evaluati	on Meth	od and V	Weight (%)						
			Examination		Exercise		Total		
Subtotal			60		40		100		
Basic Prof	iciency		0	<u> </u>	0	·	0		
Specialize	d Proficier	псу	60		40		100		
Cross Area	a Proficien	су	0		0		0		

А	kashi Co	ollege	Year	2023		Course Title	Preliminaries to Graduation Thesis
Course	Informa	tion					
Course Co	ode	5422			Course Category	Specializ	red / Compulsory
Class For	mat	Seminar			Credits	School C	Credit: 1
Departme	ent	Computer	and Computer E Engineering Co		Student Grade	4th	
Term		Second Se	emester		Classes per Wee	k 2	
Textbook Teaching							
Instructor	r	All faculty	of the departme	ent			
	Objectiv	res ly explore thin	nas.				
(2) Can s	ummarize	the results o	btained for the i	project undertaker approaches, and c	n. reate flexible and	innovative ide	eas.
Rubric							
			Ideal Level		Standard Level		Unacceptable Level
Achievem	ent 1		Can continuous and obtain result the theme	sly explore things ults that match	Can continuously things.	explore	Cannot continuously explore things.
Achievem	ent 2		Can properly si results obtaine addressed.	ummarize the d on the theme	Can summarize to obtained on the addressed.		Cannot summarize the results obtained on the theme addressed.
Achievem	ent 3		Can consider theme in various and create flex innovative idea can choose the approach.	us approaches, lible and as. In addition,	Can consider the theme in various and create flexib innovative ideas.	approaches, le and	Cannot consider the research theme in various approaches, or create flexible and innovative ideas.
Assigne	d Denar	tment Obj	ectives				'
	g Metho		CCCIVCS				
Outline	ig Metric	The aim o	f this course is t will gain the bas	o develop the basi ic knowledge nece	ic abilities necessa ssary to address	ary for gradua a research the	tion research in the fifth year.
Style		Themed re	esearch will be o	conducted by mult	iple faculty memb	ers (laborator	ies), and students will be assigned laboratory they are assigned to,
,		students v	vill conduct lectu	ure-based learning ly and continuousl	, document resea	rch, experime	ents, simulations, etc.
Notice	oristics	Students v	who spend less t	than 22.5 hours or	n research will no	t be eligible fo	r a passing grade.
Charact	ensucs (OI Class / L	<u>Division in Le</u>	arriirig			□ Instructor Professionally
☑ Active	Learning		☑ Aided by IC	Т	☑ Applicable to	Remote Class	☐ Instructor Professionally Experienced
Course	Dlan						
Course	Pidii	T-	1				
			heme			ioals	
		1st La	aboratory assigr	nments	la		he research details of each dents can apply for the laboratory in.
		2nd T	hemed research		re		e-based learning, document riments, simulations, etc. under
	3rd	3rd S	ame as above			ame as above	!
	Quarter	4th S	ame as above		S	ame as above	
		5th S	ame as above			ame as above	
		6th S	ame as above			ame as above	
			ame as above			ame as above	
2nd Semeste			ame as above			ame as above	
r		+ + -	ame as above			ame as above	
			ame as above			ame as above	
			ame as above			ame as above	
			ame as above			ame as above	
	4+1-		ame as above			ame as above	
	4th Quarter	1.4th Pi		ne for themed res	earch C	an summarize esearch and p	e the results of the themed repare a resume for the
			hemed research	presentation	C	resentation. an give an ora nemed researd	al presentation on the results of the
		16th N	o final exam			icinica resealt	J
Evaluati	ion Moth	nod and We					
∟vaiual	וטוו ויופנו	iou aliu We			Drojost rosser-l-	procontation	Total
Cubtatal			Initiatives		Project research	presentation	Total
Subtotal			50		50		100

Basic Proficiency	0	0	0
Specialized Proficiency	50	50	100
Cross Area Proficiency	0	0	0

A	Akashi Co	ollege	Year	2023		Course Title	Discrete Mathematics A		
Course	Informa	tion							
Course Co		5423			Course Categor		zed / Compulsory		
Class For	mat	Lecture			Credits	School	Credit: 1		
Departme	ent		and Computer I r Engineering Co		Student Grade	4th			
Term		First Sem	ester		Classes per Wee	eek 2			
Textbook	and/or Materials								
Instructo		HAMADA	Yukihiro						
	Objectiv	es							
[1] Can e	explain what op self-dir	at counting is	ontinuous learnii	ng skills by maste	ring the argument	ts used in a m	athematical proof.		
Rubric									
			Ideal Level		Standard Level		Unacceptable Level		
Achievem	nent 1		in a classified determine wh		Can explain sets functions, and c whether the car sets are equal	determines	Cannot explain a set and a function, and cannot determine whether the cardinalities of two sets are equal		
Achievem	nent 2		and predicate write a mathe	y contraposition tion, and the induction	Can explain the and predicates, mathematical p by contrapositic contradiction, a mathematical ir methods.	and write a roof using pro on and nd the	Cannot explain the propositions and predicates, and write a mathematical proof using proof by contraposition and contradiction, and the mathematical induction methods.		
Achievem	nent 3		, , , , , , , , , , , , , , , , , , , ,			and functions	Cannot define sets and functions recursively.		
Assigne	d Depar	tment Obj	jectives						
Teachin	ig Metho	od							
Outline		lfoundatio	ns of computer	science. In this co	atics that deals wi ourse, you will lea form and context	rn about sets a	crete subjects, and one of the and functions, mathematical r.		
Style		Classes w	vill be held in a l	ecture style.					
Notice		description	n. Trv to solve	the examples or ϵ	tion of the term a exercise problems will not be eligible	vourself and s	itive image from the formal core it against the answer.		
Charact	eristics	of Class /	Division in Le	earning					
□ Active	Learning		☑ Aided by I	СТ	☑ Applicable to	Remote Class	☐ Instructor Professionally Experienced		
Course	Plan								
		1	Гһете			Goals			
		1st E	Basic form				to represent sets or conditions.		
		2nd T	The relationship	between the sets		Can perform v basic formulas	arious set operations and can use		
		3rd F	Function 1/2				e basics function.		
		4th F	Function 2/2			Can explain th	e associative law, inverse function on for injection, surjection, bijection function, and composition.		
	1st Quarter	5th I	infinite sets and	cardinality 1/2	1	Can explain th determine if the equal.	e cardinality of a set and can ne cardinalities of the two sets are		
		6th I	infinite sets and	cardinality 2/2		Can explain th continuum.	e counting and cardinality of the		
1st Semeste r		7th F	Propositions and	proof by contrad	iction	inverse, and co	e propositions and the converse, ontraposition. Can write proof using contraposition and adiction.		
			Midterm exam It is given during	g class.					
		9th F	Predicate			Can explain a true or false a	predicate (a function that takes onles a value).		
	2nd Quarter		Propositional log ability	ic and its limitatio	n in descriptive	propositional le in a logical exp	e logical expression of a ogic and can represent a statement oression. Can explain the logical oredicate logic.		
	220.00		_anguage				e basics of formal languages.		
		12th N	Mathematical inc	duction 1 of 2			tical proof by induction		
		13th	Mathematical inc	duction 2 of 2		can write mat induction. Can	hematical proof using the complete explain the dual induction.		

	14th	Recursive definition	on		Can define set	Can define sets, functions, etc. recursively.			
	15th	Backus form and	context-free gra	mmar	Can handle Bagrammar.	Can handle Backus form and context-free grammar.			
	16th	Final exam							
Evaluation	Method and \	Weight (%)							
	Examination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total		
Subtotal	100	0	0	0	0	0	100		
Basic Proficiency	0	0	0	0	0	0	0		
Specialized Proficiency	100	0	0	0	0	0	100		
Cross Area Proficiency	0	0	0	0	0	0	0		

A	Akashi Co	ollege	Year	2023		Course Title	Discrete Mathematics B		
Course	Informa	tion							
Course Co	ode	5424			Course Category	Specialize	ed / Compulsory		
Class For	mat	Lecture			Credits	School C	redit: 1		
Departme	ent	Computer E	nd Computer Er Ingineering Cou		Student Grade	4th			
Term Textbook	and/or	Second Sen	nester		Classes per Wee	k 2			
Teaching	Matérials	HAMADA Yı	ukihiro						
Instructo		1	IKINIFO						
[1] Can e	explain the	generalized co basics of grap	ncept of being h theory. al language the	equal and being I	larger (smaller).				
Rubric									
110.01.10]	Ideal Level		Standard Level	Unacceptable Level			
Achievement 1			Can explain the relation, partial cotal orders acc	orders, and	Can explain the relation, partial total orders.	explain the equivalence Cannot explain the ion, partial orders, and relation, partial or			
Achievem	nent 2	(Can explain the	path, nd tree of graph	Can explain the connectivity, and theory.	path, d tree of graph	Cannot explain the path, connectivity, and tree of graph theory.		
Achievem	Can use Backus form, context- free grammar, finite automaton, and regular grammar correctly.				nite automator	Cannot use Backus form, context-free grammar, finite automaton, and regular grammar.			
Assigne	d Depar	tment Obje	ctives						
	ng Metho								
Outline		foundations	thematics is a of computer s aton and regu	cience. In this cou	ics that deals wit irse, you will lear	h finite or discr n about relation	rete subjects, and one of the ns on a set, graphs and trees,		
Style		Classes will	be held in a le	cture style.					
Notice		description.	Try to solve th	the exact definition the examples or examples or examples or classes where of classes were also be als	ercise problems y	ourself and sco	ive image from the formal ore it against the answer.		
Charact	eristics	of Class / Di	vision in Lea	arning	_				
□ Active	Learning		☑ Aided by IC	Г	☑ Applicable to	Remote Class	☐ Instructor Professionally Experienced		
Course	Plan								
00000		The	eme		Goals				
		1st Bin	ary relation 1 o	of 2	(Can explain the basics of binary relation.			
		2nd Bin	ary relation 2 o	of 2	(t	Can calculate co pinary relation.	emposition and exponentiation of		
		3rd Equ	uivalence relati	on 1/2	g	jeneralization o	equivalence relation, which is a f the concept of equal.		
		4th Equ	uivalence relati	on 2/2	S	subdivisions of e	ivalence class, quotient set, and equivalence relation.		
	3rd Quarter	5th Ord	der 1 of 2		C	Can explain the order of the ine	partially ordered set and total quality (=) generalization.		
		6th Ord	der 2 of 2		€ r	extremum, max	upper extremum, lower imum, and minimum values of a d set, and can explain the above ry.		
2nd			Iterm exam s given during	class.					
Semeste		8th Illu	stration of bina	ary relation		Can illustrate th graph.	e binary relation as a directed		
			sse diagram, to sure	ppological sort, an	u dansidve s	Can draw a Has set, and can exp and transitive.	se diagram of partially ordered plain the closure of topological sort		
		10th Gra	ph basics 1 of	2		Can explain the	basics of graphs.		
	4th Quarter	11th Gra	aph basics 2 of	2	ļ. ā	oaths in a graph	artite graph and several kinds of n. Also, can represent a graph by x, adjacency list and incidence		
		12th The	e connectivity o	of a graph	C 6	component, cut edge connectivi and n-edge con			
		13th Tre	13th Tree				fundamental concepts and trees. Also, can explain ordered tree, binary tree and n-ary tree.		

		14th	Finite automaton automaton	and nondetermin	istic finite	state transition	Can define FA and NFA formally and draw their state transition diagrams. Also, can determine the language that they accept.				
		15th	Regular grammar	and regular expr	ression	Can define right linear grammar and left linear grammar formally, and determine the language that they generate. Can represent a given language by regular expression.					
		16th	Final exam								
Evaluation	n Meth	nod and V	Weight (%)								
	Ex	amination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total			
Subtotal	10	0	0	0	0	0	0	100			
Basic Proficiency	y 0 0 0 0			0	0	0	0				
Specialized Proficiency			0	0	0	100					
Cross Area Proficiency			0	0	0	0	0				

A	Akashi Co	ollege	Year	2023		Course Title	Computer Architecture		
Course	Informa	tion							
Course C		5425			Course Category	<u> </u>	ed / Compulsory		
Class For	mat	Lecture			Credits	Academ	c Credit: 2		
Departm	ent		and Computer I r Engineering Co		Student Grade	4th			
Term		First Sem	nester		Classes per Wee	k 2			
Textbook	and/or Materials								
Instructo		NOMURA	Hayato						
Course	Objectiv	es es							
UndersUnders	stand the i stand the o	pasic structu nstruction se control archi nemory arch	et architecture. tecture.	ality of a computer.					
Rubric									
			Ideal Level		Standard Level		Unacceptable Level		
Achievement 1			Understand and basic structure of a computer	nd can explain the e and functionality	Understand the and functionality				
Achieven	nent 2		Understand are instruction are	nd can explain the chitecture.	Understand the architecture.	instruction	Do not understand the instruction architecture.		
Achieven	nent 3		control archite		architecture.		Do not understand the control architecture.		
			memory archi	nd can explain the tecture.	Understand the architecture.	memory	Do not understand the memory architecture.		
		tment Ob	jectives				_		
Teachir Outline	ng Metho	In this co	ourse, students v	will learn the overv	ew of the basic s	tructure and fu	inctionality of a computer, and the output devices that make up a		
Outilile		computer	<u>. </u>		·				
Style		retention	ili illaliliy ilivolv	re lectures, but if hi	ecessary, there w	iii be exercises	to improve understanding and		
Notice Charac	teristics	assignme In this cla semester Students	ent reports. ass, students are and be conscio	e expected to take ous of how the CPU or more of classes v	into account the con	contents of Op to hardware of	dy / review, and completing erating System held in the first a computer, execute a process.		
	e Learning	,	☑ Aided by I		☑ Applicable to	Remote Class	☑ Instructor Professionally Experienced		
Cauras	Dlan								
Course	Plan	<u> </u>	 Гheme		10	Goals			
							basic structure and functionality		
		<u></u>		nputer architecture tion (1): Fixed-poir	C	of a computer.			
		2nd f	Jata representa loating-point for	rmats			fixed-point and floating-point resenting numeric data.		
		3rd [Data representa	tion (2): Text data		Jnderstand the mage data.	representation of text data and		
	1st Quarter	4th I	Instruction archi nstruction set	tecture (1): Basic o		Inderstand the nstruction set.	basic CPU configuration and		
	Quarter	5th I	Instruction archi addressing mode	tecture (2): Instrue	ction formats, l	Inderstand the node.	instruction format and addressing		
			Instruction archi sequence	tecture (3): Instru		Inderstand the executed.	order in which the instructions are		
1st		7th	Control architect	ture (1): Control m	ethods	Inderstand the controlling inst	methods and pipelines for ruction execution.		
Semeste r		8th	Midterm exam			4idterm exam			
		9th	Control architect	ture (2): Interrupts	L ii	Inderstand into nstruction execution	errupts that change the flow of cution.		
		10th	Memory archited	ture (1): Virtual m	omon/		mapping between physical and		
		11th N	Memory archited	ture (2): Cache me			he memory and paging.		
	2nd			cture (3): Address t			address translation.		
	Quarter			ture (4): Segment			segmentation method.		
		i	nput/output dev	chitecture (1): Type vices and their man	agement t	Understand the types of input/output devices and their management.			
		15th	put/output architecture (2): Input/output nannels			Understand the input and output channels.			
			channels Final exam	intecture (2). Inpu		Final exam			

Evaluation	Evaluation Method and Weight (%)									
	Examination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Task	Total			
Subtotal	60	0	0	0	0	40	100			
Basic Proficiency	30	0	0	0	0	20	50			
Specialized Proficiency	20	0	0	0	0	10	30			
Cross Area Proficiency	10	0	0	0	0	10	20			

А	kashi Co	ollege	Year	2023		Course Title	Computer Programming III A
Course	Informa	tion					
Course Co	ode	5426			Course Categor	·	ed / Compulsory
Class For	mat	Lecture			Credits	School C	redit: 1
Departme	ent		l and Computer I er Engineering Co		Student Grade	4th	
Term		First Ser	nester		Classes per Wee	ek 2	
Textbook Teaching							
Instructor		HIRANO	Masatsugu				
	Objectiv		asatsaga				
1) Can ex programn 2) Unders 3) Can cre	oplain the languestand the operations of the second the secondary of the s	pasic gramnage. Soncept of concept of concept of concept of concept of concept of concept on foreconcept of concept on foreconcept of concept on foreconcept of concept on foreconcept of concept of c	ire the following mar of the object object-oriented problem give h programming.	-oriented programsrogramming.	ercises on the ob ming language a	oject-oriented pi nd the unique g	ogramming language. rammar of the object-oriented
Rubric							
			Ideal Level		Standard Level		Unacceptable Level
Achievem	Can explain the basic grammar of the object-oriented programming language and the unique grammar object-oriented programming language in detail.				Can explain the of the object-or programming la unique gramma oriented progra language.	iented inguage and the ir object-	grammar of the object-oriented
Achievem	Understand the concept of Understand the concept of				concept of programming.	Do not understand the concept of object-oriented programming.	
Achievem	Can create an optimal Can create				Can create an a problem given.		Cannot create an optimal application for a problem given.
	Can solve a problem through programming independently. Can solve a problem through programming in conjunction with investigation.					Cannot solve a problem through programming.	
Assigne	d Depar	tment Ob	ojectives				
Teachin	ig Metho	d					
Outline Style		problem to solve oriented medical Classes quizzes t	solving through problems through concepts that ar system in a comparishm will be conducted to check students ing from the exe	programming in ar h programming usi re important in the pany will take adva I in a lecture style i s' understanding. O	n early time. In thing the Python procurrent software antage of their extending the telephone students have students have a student a	his course, stud rogramming lan design. The ins perience to tea extbook at the b ye gained a beti	cted to develop a mindset of ents will be developing the ability guage. They will also learn object structor who have been developing the in class. Deginning. Then there will be the understanding, carry out in groups will be assigned in the
Notice		lachieve	the C languages lon to the periodithe				velop a daily programming habit. zes, exercises, and assignments to
Charact	oristics		Division in Le	r more of classes w	viii not be eligible	e for a passing g	rade.
		JI Class /		zarriirig			
Active	Learning		☑ Aided by IO				☑ Instructor Professionally
			M Alded by I	СТ	☑ Applicable to	Remote Class	☑ Instructor Professionally Experienced
	D.		M Alded by It	СТ	☑ Applicable to	Remote Class	☑ Instructor Professionally Experienced
Course	Plan		· ·	СТ			☑ Instructor Professionally Experienced
Course	Plan	1st	Theme Basic knowledge	of the object-orier	nted	Goals Can explain the	characteristics of the object-
Course	Plan	1st	Theme Basic knowledge	of the object-orier urrent situation and Python	nted d development	Goals Can explain the oriented progra Object-oriented done without lo	characteristics of the object- mming language. up. development procedures can be oking at anything. Can run a
Course	Plan	1st 2nd	Theme Basic knowledge prograHistory, co environment of I	of the object-orier urrent situation and Python	nted d development	Goals Can explain the oriented progra Object-oriented done without lo simple program	characteristics of the object- mming language. up. development procedures can be oking at anything. Can run a
1st	Plan 1st Quarter	1st 2nd	Theme Basic knowledge prograHistory, coenvironment of forms Basics of program	of the object-orier urrent situation and Python	nted d development	Goals Can explain the oriented progra Object-oriented done without lo simple program Can solve exercidata types. Mutables and in	characteristics of the object- mming language. up. development procedures can be oking at anything. Can run a ise problems using variables and mutables, identity and same- explained, and these exercise
1st Semeste	1st	2nd 3rd	Theme Basic knowledge prograHistory, ci environment of I Basics of prograi	e of the object-orier urrent situation and Python mming	nted d development	Goals Can explain the oriented progra Object-oriented done without lo simple program Can solve exercedata types. Mutables and in valence can be problems can be Explain the ranginotation.	characteristics of the object- mming language. up. development procedures can be oking at anything. Can run a . ise problems using variables and nmutables, identity and same- explained, and these exercise e solved. ge function and list comprehension
1st Semeste	1st	2nd 3rd 4th	Theme Basic knowledge prograHistory, ci environment of I Basics of prograi Python basics Operator	e of the object-orier urrent situation and Python mming ching, repeating	nted d development	Goals Can explain the oriented progra Object-oriented done without lo simple program Can solve exerc data types. Mutables and in valence can be problems can be Explain the rangonation. Can define the tempore or explain the tangonation.	characteristics of the object- mming language. up. development procedures can be oking at anything. Can run a . ise problems using variables and nmutables, identity and same- explained, and these exercise esolved. ge function and list comprehension cry instruction.
Course 1st Semeste r	1st	2nd 3rd 4th 5th	Theme Basic knowledge prograHistory, convironment of Masics of program Python basics Operator Conditional bran	e of the object-orier urrent situation and Python mming ching, repeating ception handling	nted d development	Goals Can explain the oriented progra Object-oriented done without lo simple program Can solve exercedata types. Mutables and in valence can be problems can be Explain the ranguation. Can define the total can create a prabout string exercise.	characteristics of the object- mming language. up. development procedures can be oking at anything. Can run a . ise problems using variables and nmutables, identity and same- explained, and these exercise e solved. ge function and list comprehension cry instruction. ogram on your own after asked ercise questions.
1st Semeste	1st	2nd 3rd 4th 5th 6th	Theme Basic knowledge prograHistory, continuous of Massics of program Python basics Operator Conditional bran Loop control, exception	e of the object-orier urrent situation and Python mming ching, repeating ception handling	nted d development	Goals Can explain the oriented progra Object-oriented done without lo simple program Can solve exercedata types. Mutables and in valence can be problems can be problems can be can define the total can create a problem of the total create a problem of total create a problem of the total create a proble	characteristics of the object- mming language. up. development procedures can be oking at anything. Can run a . ise problems using variables and nmutables, identity and same- explained, and these exercise e solved. ge function and list comprehension cry instruction. ogram on your own after asked ercise questions. content taught in first to seventh

		10th	Sequence typ	oe .			Understand the slice syntax, queue structure, and immutable lists, and create programs.					
		11th	Collective typ	e, dictionary t	ype			Can understand sets and hash tables and create programs.				
		12th	Regular expr	egular expression				nderstand regu ams.	ılar expressions	and create		
		13th	File operation	le operation				reate a prograr ons about exer	n on your own cises using file	after asking processing.		
		14th	Standard libr	ary (others)				nderstand the a program.	acquisition via	HTTP and		
		15th	Method call	ethod call				stand and can	create progran	n using call		
		16th	Final exam				Under fifteer	stand the cont oth week in the	ntent taught in ninth to e first semester.			
Evaluation	n Meth	od and	Weight (%)									
	Exan	nination	Presentation	Mutual Evaluations between students	Behavior	Portfoli	0	Exercises	Other	Total		
Subtotal	65		5	0	0	0		30	0	100		
Basic Proficiency	0		0	0 0			0	0	0			
Specialized Proficiency	65		5	0 0 0			30	0	100			
Cross Area Proficiency	0		0	0 0 0				0	0	0		

А	kashi Co	ollege	Year	2023		Cours	se (Computer Programming
Course	Informa	tion						
Course Co	ode	5427			Course Categor	y Spe	cialize	d / Compulsory
Class Forr	mat	Lecture			Credits	Scho	ool Cre	edit: 1
Departme	ent		ll and Computer I er Engineering Co		Student Grade	4th		
Term			Semester		Classes per We	ek 2		
Textbook								
Teaching Instructor		HIDANO	Masatsugu					
	Objectiv		Masatsugu					
The goal (1) Can ex programn (2) Unders (3) Can cre	of this cou cplain the l ning langu stand the c eate an ag	irse is acqu basic grami lage. concept of opplication fo	ire the following mar of the object object-oriented p or a problem give h programming.	-oriented programm programming.	ercises on the ob ming language a	pject-orient nd the unic	ed pro que gr	ogramming language. ammar of the object-oriented
Rubric								
	Ideal Level				Standard Level			Unacceptable Level
Achievem	ent 1		of the object- programming unique gramn	language and the	Can explain the of the object-or programming la unique gramma oriented progra language.	iented inguage an ir object-		Cannot explain the basic grammar of the object-oriented programming language and the unique grammar object-oriented programming language in detail.
Achievem	ent 2			ne concept of ed programming practical example.	Understand the object-oriented			Do not understand the concept of object-oriented programming.
Achievem	ent 3		Can create an application for	n optimal r a problem given.	Can create an a problem given.			Cannot create an optimal application for a problem given.
		Can solve a problem through programming independently. Can solve a problem through programming in conjunction with investigation.				igh on	Cannot solve a problem through programming.	
Assigne	d Depar	tment Ol	ojectives					
Teachin	g Metho	od						
Outline		problem to solve oriented medical	solving through problems throug concepts that ar system in a com	programming in ar in programming usi re important in the pany will take adva	n early time. In t ing the Python p current software intage of their ex	his course, rogrammin design. Th perience to	stude g lang ne inst o teacl	ed to develop a mindset of nts will be developing the ability uage. They will also learn object- ructor who have been developing in class. ginning. Then there will be
Style		auizzes	to check students ning from the exe	s' understandina. O	nce students ha	ve gained a	a bette	er understanding, carry out n groups will be assigned in the
Notice		lachieve	the goals.	learned in Program ic exam, students s or more of classes w				elop a daily programming habit. es, exercises, and assignments to ade.
Charact	eristics		Division in Le			'		
☑ Active		,	☑ Aided by I		☑ Applicable to	Remote C	lass	☑ Instructor Professionally Experienced
Course	Plan							
			Theme			Goals		
		1st	Creation assignn	nent(1)		Describe th create a pr specificatio	ogram	tent of the assignment. Can that fits requirement
		2nd	Creation assignn	nent(2)		Can preser requiremer	nt the nts spe	program that fits the ecification to other students.
		3rd	Creation assignn	nent(3)		task.		ograming as a group on a given
	3rd Quarter	4th	Creation assignn	nent(4)		task. ´		ograming as a group on a given
2nd Semeste		5th	Creation assignn	nent(5)		task.		ograming as a group on a given
ľ		6th	Creation assignn	nent(6)		Can carry o task.	out pro	ograming as a group on a given
		7th	Creation assignn	nent(7)			e for a	a mini-programming contest.
		8th	Mini-programmii	ng contest		Understand	the c	content taught in first to seventh
		1				week in the second semester. Understand keyword arguments and highe / anonymous functions, and be able to cre		
	4th	9th	Argument notati functions	ion, high-order and	anonymous		d keyw us fun	ord arguments and higher-order octions, and be able to create

		11th	User-defined	function (2)			Under docun	stand asynchronentation, and	nous processir create program	ig, is.
		12th	Object-orient	ced syntax (1)				nderstand class programs.	ses, encapsulat	ions, and
		13th	Object-orient	bject-oriented syntax (2)				nderstand and tance and polyr	create progran morphism.	ns about
		14th	Object-orient	ed syntax (app	olication 1)		Can u sectio	nderstand and ns, rise instruct	create progran tions, and spec	ns about finally ial methods.
		15th	Object-orient	Object-oriented syntax (application 2)				nderstand data classes and refle	classes, iterate ect them in the	ors, and program.
		16th	Final exam	Final exam					ent taught in ni second semes	
Evaluation	Meth	od and	Weight (%)							
	Exam	nination	Presentation	Mutual Evaluations between students	Behavior	Portfoli	0	Exercises	Other	Total
Subtotal	65		5	0	0	0		30	0	100
Basic Proficiency	0		0	0	0 0			0	0	0
Specialized Proficiency	65		5	0	0 0			30	0	100
Cross Area Proficiency	0		0	0	0	0		0	0	0

А	.kashi Co	ollege	Year	2023			ourse Title	Operating System	
Course	Informa	tion							
Course Co		5428			Course Categor	γ	•	zed / Compulsory	
Class For	mat	Lecture	and Computer E	- - - - - -	Credits		School (Credit: 1	
Departme	ent	Compute	r Engineering Co	ourse	Student Grade		4th		
Term		Second S	emester		Classes per We	ek	2		
Textbook Teaching									
Instructor	-	NOMURA	Hayato						
	Objectiv								
OS, and L 2.Can exp 3. Can ex	inux. Can plain mem plain the f	explain mul ory manage ile system.	titasking. ment.	and can explain the		tween	operatin	g systems such as Windows, Mac	
Rubric			1						
			Ideal Level		Standard Level			Unacceptable Level	
Achievem	ent 1		Can explain the behaviors of C	ne key roles and OS.	Can explain the	key ro	oles of O	S. Cannot explain the key roles of OS.	
Achievem	ent 2		Can explain promanagement, scheduling me	including various	Can explain promanagement.	cess		Cannot explain process management.	
Achievem	ent 3		Can explain m management, difference bet physical and v		Can explain me management.	emory		Cannot explain memory management.	
			Understand da security for OS a method to k	ata protection and 5 and can execute eep it secure.	otection and can execute Can explain data protection a			d Cannot explain data protection or security for OS.	
Assigne	d Depar	tment Ob	jectives						
Teachin	g Metho	od							
Outline		Based on	the history of the compu	ne operating syster ters run	ms, we will learn	about	the role	s and functions of the operating	
		Classes a	re conducted th	rough lectures and	exercises.				
Style		Lectures In addition	will be conducte on to what stude	d through handout ints learned in class	ts. ses, they will per	rform i	ndividual	activities on assignments given.	
Notice		As classes to be awa Students	s are deeply rela are of how OS, a who miss 1/3 o	ated with Compute as software, contro r more of classes v	r Architecture he ls a computer as vill not be eligible	eld in the hardve for ev	he secon vare. valuation	d semester, students are required .	
Charact	eristics	of Class /	Division in Le	earning					
☐ Active	Learning		☑ Aided by I	СТ	☑ Applicable to	e to Remote Class			
					1			Experienced	
Course	Plan								
		1	Гһете			Goals			
			The configuration	n and history of the	e operating	Learn	about the	e configuration and history of the	
			Shell			Under	stand the	shell that provides the interface	
		2110	Jileli					perating system and the user. Decess concepts and process	
		3rd F	Process manage	ment 1			gement.	ocess concepts and process	
	3rd Quarter	4th F	Process manage	ment 2		Unders		scheduling and interrupts for	
		5th F	Parallel process	1				ultitasking and multithreading.	
		6th F	Parallel process 2	2		Unders	stand exc	clusive controls, critical sections,	
		<u> </u>	Parallel process				eadlocks. stand ser	maphores and monitors.	
2nd Semeste			Midterm exam	<u></u>			m exam	napriores una monicors.	
r		9th N	Main memory m	anagement 1		Under	stand the	relationship between physical and	
			Main memory m					and how to manage them.	
			Main memory m				•	ge replacement methods.	
			-ile			Under	stand file	management and file system ire, and implementation.	
	4th Quarter				· · · · · · · · · · · · · · · · · · ·		•	ire, and implementation. w devices connected to the system	
			Device managen	nent		works.	are mar	naged.	
		14th \	/irtualization			Understand OS virtualization technologies.			
		15th F	Protection and se	ecurity		Understand the concept of system calls, OS protection, and security.			
		16th F	Final exam			Final exam			

Evaluation	Evaluation Method and Weight (%)									
	Examination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Task	Total			
Subtotal	60	0	0	0	0	40	100			
Basic Proficiency	30	0	0	0	0	20	50			
Specialized Proficiency	20	0	0	0	0	10	30			
Cross Area Proficiency	10	0	0	0	0	10	20			

А	kashi Co	llege	Ye	ear	2023			ourse Title	Data Structures and Algorithms
Course	Informat	ion	•						
Course Co	ode	5429				Course Categor	У	Specialize	ed / Compulsory
Class Forr	mat	Lecture				Credits		Academi	Credit: 2
Departme	ent	Compute	r Enginee		ngineering urse	Student Grade		4th	
Term		Second S	Semester			Classes per We	ek	2	
Textbook Teaching	Materials	<u> </u>							
Instructor			Yukihiro						
[1] Leai [2] Und [3] Leai	erstand barn barn basic alo	ues for the lisic data stractions	ructures ai sian techni	nd oper iaues.	is of algorithms. ations for them. neir time complexi	ty.			
Rubric									
			Ideal Le	evel		Standard Level			Unacceptable Level
Achievem	Achievement 1		an algoi		e complexity of nd the lower blem.	Can analyze the an algorithm.	e comp	lexity of	Cannot analyze the complexity of an algorithm
Achievem	Achievement 2				e basic data can use them	Understand and data structures		se basic	Do not understand the basic data structure and cannot use them
Achievement 3				e basic a ues acci	algorithm design urately	Can use basic a techniques.	lgorith	m design	Cannot use basic algorithm design techniques
Achievement 4			Can acc sorting time co	algorith	explain basic ms and their y.	Can explain bas algorithms and complexity.	sic sort their t	ing ime	Cannot explain basic sorting algorithms and their time complexity.
Assigne	jectives								
Teachin	g Metho	d							
Outline		design te algorithn calculation	echniques. n is a calcu on within a	A data ulation p a finite a	structure represe procedure that solution amount of time as	nts a collection of ves a problem, a long as you follo	of data and alv ow the	and the r vays gives procedur	edge of algorithms, and algorithm elationship between the data. An s an answer and complete the e Data structures and algorithms, n creating an efficient program.
Style		Classes v	will be held	d in a le	cture style.				
Notice		guarante assignme assignme that stud	ed in class ent reports ents for the lents score	ses and s. Stude e week e at leas	the standard self-	-study time requence of the contract of the co	iired fo es to th stem. A sianme	r pre-stud nink. Quiz as it's a le ents and s	include the learning time dy / review, and completing zes and programming arning-credit subject, it's essential submit them by the due date.
Charact	eristics o	of Class /	Division	in Lea	arning				
☐ Active				d by IC		☑ Applicable to	Remo	te Class	☐ Instructor Professionally Experienced
Course	Plan								
			Theme				Goals		
		1st .	Algorithms	s and co	omputational comp	plexity	and ar are alg analyz	ı example Jorithms t	e difference between a problem problem, and can explain what hat solve the problem. Can algorithm using the
		2nd	Data struc	cture tha	at represents the o	column 1/2	in a pr	ogram. C ed for bas	arrays and lists are implemented an analyze the time complexity ic operations for each data
2nd Semeste r	3rd	3rd	Data struc	cture tha	at represents the o	column 2/2	implen nature	nented in of each o	 stacks and queues are a program Can analyze the lata structure and the time ired for basic operations.
		4th	Graphs an	ıd trees			implen Can ex examii	nented in	 graphs and trees are a program and space complexity. e complexity for operations to iacency of the vertices of a graph method.
	5th	Неар				ordere up the	d trees. (heap and s data. Als	ne-dimensional array of partially Can write an algorithm that makes If algorithm that inserts and If so, can analyze their time	
	6th	Recursive	method	l and recursive eq	uations	Can write an algorithm by using the recursive method. Can solve the recursive equation obtained by analysis of the time complexity of the recursive procedure.			

		7th	Divide-and-con	quer method		Can write an a conquer meth recursive met		he divide-and- pination with the			
	8th Midterm examination										
		9th	Dynamic plann	Dynamic planning method			Can explain the dynamic planning method used extensively in optimization problems and its calculation process.				
		10th	Simple sorting	algorithms and	l decision tree	insertion, simple can analyze the number of	Can write algorithms for methods such as simple insertion, simple selection, and bubble sort, and can analyze their time complexity. Can analyze the number of comparisons in sorting by comparison by using decision trees.				
		11th	Optimal sorting	ı algorithm		sort, and anal		erge sort and heap omplexity. They complexity.			
	4th	12th	Quicksort and b	oucket sort		complexity. I	Can write quicksort algorithm and analyze its time complexity. It has optimal average-case time complexity. Aslo, can write bucket sort algorithm and analyze its time complexity.				
	Quarter	13th	Binary search r	method and bir	nary search tree	fast data sear size of the sea a binary searc search that al	ch when the dat arch key. Can wi ch tree, using co	ion or deletion, and			
		14th	AVL tree, B tre	e, hashing met	thod	the balance of B trees, typical	f the trees. Can al equilibrium tre n method that re	cessarily improve explain the AVL and ees. In addition, can epresents a set			
		15th	Greedy algorith	ım		that make up	Can explain the algorithms of Kruskal and Prim that make up the minimum spanning tree of a graph. Also, can analyze their time complexity.				
		16th	Final examinati	Final examination							
Evaluati	on Met	nod and	Weight (%)								
	Ex	Examination Exercise Task Behavior		Portfolio	Other	Total					
Subtotal	66	66 14 20 0		0	0	100					
Basic Proficienc	o 0 0 0		0	0	0						
Specialize Proficienc			0	0	100						
Cross Are Proficience			0	0	0	0	0	0			

А	Akashi College		Year	2023		Course Title	Experiments of Computer Engineering I A	
Course :	Informa	tion						
Course Co	ode	5430			Course Categor	y Speciali	zed / Compulsory	
Class Forr	mat	Experime			Credits	School Credit: 2		
Departme	nt		and Computer E Er Engineering Co		Student Grade	e 4th		
Term		First Sen			Classes per We	ek 4		
Textbook								
Teaching Instructor		TERASAV	WA Shinichi INOL	JE Kazunari,HIRAN	O Masatsugu NO	OMURA Havato		
	Objectiv			52 Na2ananyi 1110 il	io i labatbaga/i i	or to to thay aco	ı	
1. Can act 2. Can co	tively part	icipate in ex eriments in	a planned mann	oup and carry out our out	isic ability, and a	inalyze the resi	h the group members. ults of an experiment.	
Rubric			•	•	<u> </u>			
			Ideal Level		Standard Level		Unacceptable Level	
Achievem	Achievement 1			articipate in by group and carry nts in cooperation o members.	Can carry out e cooperation wit members.		Cannot carry out experiments.	
Achievem	ent 2		planned mann	experiments in a ner and analyze an experiment.	Can analyze the experiments.	e results of the	Cannot analyze the results of an experiment.	
Achievement 3 Can summarize the results of an experiment in a report with correct writing expressions and submit in time. Can summarize the results of an experiment in a report writing expressions and submit in time.					in a report with	Cannot summarize the results of an experiment in a report.		
Assigne	d Depar	tment Ob	jectives					
Teachin	g Metho	d						
Style		activities equipme the const semester in a com Students informati They will guidance In the ini network	In the network of the development of a LAN or will be supervision of a LAN or will conduct explain technology, for actively conduct exprovided on the formation engine equipment development developme	experiment, facult will utilize their experiments. In the experiments it is easily persons engineering or the experiments give, a spot by the instruction of the experiment, as the experiment, for experiment, facult will be experiment.	y members with berience in experience in experience in the development of the development of the experience of the exper	practical experiments on the 2 of the first seleopment of electricups of four to fown necessary riment.	charge of microcomputer-related rience in router and other network configuration of the equipment and emester and week 9 of the second ectronic devices and other activities cal and electronic fields, such as five, and submit a report on them preparation and pre-study, and l experience in router and other con the configuration of the	
Notice		must clea the first Students	an the lab and poweek of the first will not be grad	ut away the equipr and second semes ed unless they hav	nent. Precaution ters. Students h	s regarding the ave to participa	eive a passing grade. Students e experiments will be given during ate in all experiments. ts.	
Charact	eristics (of Class /	Division in Le	earning	T			
☑ Active	Learning		☑ Aided by I	CT	☑ Applicable to	Remote Class	☐ Instructor Professionally Experienced	
			•					
Course	Plan							
			Theme			Goals		
		1st	Experiment guid	ance		Understand the engineering ex theme of each	e various precautions related to periments and the outline of the experiment.	
		2nd	Making LAN cabl	es		Layer 2, includ	ow LAN cables work and TCP/IP ling forwarding.	
3rd				entals and IP addr		and L3 switche	yer 2 and 3 by the operation of L2 es. e various router configurations,	
1st Quarter 4th Semeste				onfigurations and t		WAN/LAN isola	ation, and security controls.	
r		Sui	Microcomputer 1			using microcor	L	
		OUT	Internet of thing Microcomputer 2	s experiments usin	y 	data transfer t	e IoT in LPWA communications and o servers. and compile the results of the	
			Report organizat			experiment int		
	2nd	8th	No midterm exar	m		I Indowstand I	gio circuit innuts veins IDE	
	2nd Quarter	9th	FPGA1 (Circuit d	esign)		(Integrated De	gic circuit inputs using IDE evelopment Environment).	

	10th	FPGA2 (emulator	debug)		Understand th logical circuits Development	ne simulation ar s using the IDE Environment).	nd debugging of (Integrated	
	11th	11th FPGA3 (implementation and operation)			Understand circuit implementation in FPGA(Field Programmable Logic Array).			
	12th	FPGA4 (evaluatio	FPGA4 (evaluation)			ne operation, de implementation	bugging, and circuitry with	
	13th	Computer measu	Computer measurement I.			waveform meas ing a computer	urement and and measurement	
	14th	Computer measu	Computer measurement II.		Can fabricate an interface n	a stethoscope ι nicrophone for r	using a computer and measurement.	
	15th	Report organizati	on		Can examine experiment in	and compile the	e results of the	
	16th	No final exam						
Evaluation	Method and	d Weight (%)						
	Report	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total	
Subtotal	80	0	0	20	0	0	100	
Basic Proficiency	0	0	0	0	0	0	0	
Specialized Proficiency	80	0	0	20	0	0	100	
Cross Area Proficiency	0	0	0	0	0	0	0	

Д	ıkashi Co	ollege	Year	2023		Course Title	Experiments of Computer Engineering I B		
Course	Informa	tion							
Course Co	ode	5431			Course Categor	y Specializ	zed / Compulsory		
Class For	mat	Experime			Credits	School C	Credit: 2		
Departme	ent		and Computer E r Engineering Co		Student Grade	4th			
Term		Second S	Semester		Classes per We	ek 4			
Textbook	and/or Materials								
Instructo		NAKAI YU	uichi,TERASAWA	Shinichi,ENOMOTO	O Ryuji				
Course	Objectiv	es	,	•	, ,				
2. Can co	nduct exp	eriments in	a planned mann	oup and carry out	sic ability, and a	nalyze the resu	n the group members. ults of an experiment.		
Rubric			•		<u> </u>				
			Ideal Level		Standard Level		Unacceptable Level		
Achievem	Achievement 1			articipate in by group and carry ots in cooperation o members.	Can carry out e cooperation wit members.	xperiments in h the group	Cannot carry out experiments.		
Achievem	ent 2		Can conduct experiments in a planned manner and analyze the results of the experiments. Can analyze the results of the experiment. Cannot analyze the results of the experiment.						
Achievem	ent 3						Cannot summarize the results of an experiment in a report.		
Assigne	ssigned Department Objectives								
Teachin	g Metho	d							
Outline		help stud of inform experime electronic Students informati	learn necessary writing expressions for scientific reports. The experiments will be conducted by groups, to help students develop autonomy, coordination, planning, and leadership. Nakai and Enomoto will be in ch of information-related activities. Terazawa will be in charge of microcomputer-related activities. The experiments in week 9 to 11 of the semester will be supervised by persons engaged in the development celectronic devices and other activities in a company. Students will conduct experiments on themes closely related to the electrical and electronic fields, such as information technology, microcomputers, in groups of four to five, and submit a report on them.						
Style		They will guidance	actively conduct provided on the	t experiments give, spot by the instru	, based on their ctor of the expe	own necessary riment.	preparation and pre-study, and eive a passing grade. Students		
Notice		must clea	an the lab and pu week of the first	ut away the equipr	nent. Precaution ters. Students h	s regarding the ave to participa	e experiments will be given during atte in all experiments.		
Charact	eristics	of Class /	Division in Le	earning					
☑ Active	Learning		☑ Aided by IO	CT	☑ Applicable to	Remote Class	☐ Instructor Professionally Experienced		
Course	Plan								
		-	Theme			Goals			
		1st I	Experiment guida	ance		Understand the experiments ar theme.	e Precautions regarding engineering nd the outline of each experiment		
		2nd I	Drone control wi	th Python (1)		Understand the Python.	e basics of controlling drones using		
		3rd I	Drone control wi	th Python (2)		•	n to provide simple drone control.		
	3rd Quarter	4th	Drone control wi	th Python (3)		Can create a Py task.	ython program to perform a given		
	2nd Semeste		Drone control wi	th Python (4)		Can create a Py task.	ython program to perform a given		
2nd Semeste			Drone control wi	, , ,		task.	ython program to perform a given		
r			Drone control wi			Can perform th	ne task in the completed program.		
			No midterm exar			Can build contr	ol systems using embedded		
			Microcomputer 1 Microcomputer 2			microcomputer	s.		
	4th	1001	·			Can build control systems using embedded microcomputers.			
	Quarter	1101	Microcomputer 3			microcomputer			
			Report organizat	ion		experiment into			
		13th	AI 1			Can build AI sy	rstem.		

	14th	AI 2			Can build AI s	ystem.	
	15th	Summarizing and	organizing		Can summariz	e and organize	the experiment.
	16th	No final exam					
Evaluation I	Method and \	Veight (%)					
	Report	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total
Subtotal	80	0	0	20	0	0	100
Basic Proficiency	0	0	0	0	0	0	0
Specialized Proficiency	80	0	0	20	0	0	100
Cross Area Proficiency	0	0	0	0	0	0	0

Д	kashi Co	ollege	Year	2023				Off-Campus Practical Training A
Course	Informa	tion			_			
Course Co		5432			Course Categor	y !	Specialize	ed / Elective
Class For	mat	Practical t			Credits	School Credit: 1		
Departme	ent	Electrical	and Computer Ei r Engineering Cou	ngineering Irse	Student Grade	4	4th	
Term		Year-rour			Classes per We	ek :	1	
Textbook	and/or				,			
Teaching			6.1					
Instructo		-	of the departme	ent				
	Objectiv							
(1) Can e (2) Can u	xperience ise slides t	some of the o report on t	actual technical the things they h	activities related ave experientially	to engineering. Tlearned.			
Rubric		·		' '				
			Ideal Level		Standard Level			Unacceptable Level
			Can experience		Can experience	como o	of tho	Cannot experience some of the
Achievem	chievement 1 actual technical activities related to engineering collaboratively.		actual technical related to engir	l activiti		actual technical activities related to engineering.		
Achievem	ent 2		things they have	to report on the ve experientially e understood by	Can use slides things they hav learned.			Cannot use slides to report on the things they have experientially learned.
Assiane	d Denar	tment Ob			1			
	ig Metho		JCCCI V C3					
reactill	ig Metric		n is mainly held i	n companies dov	ernment agencie	s non-	nrofit cor	morations universities etc in the
Outline	gain a sense of practical technology and can exert the						eering. To further	hrough this experience, students
Style								ntact with your year 4 class
Notice		teacher. Students Student n Students	should actively e need to be respect who spend less t	xperience real-wo	orld technical act attire, language s than 32 hours	ivities.	ther beha	aviors appropriate as an internee. n 2 hours may be replenished by
Charact	eristics	of Class /	Division in Lea	arning				
□ Active	Learning		☐ Aided by IC	Т	☑ Applicable to	o Remot	e Class	☐ Instructor Professionally Experienced
Course	Plan							
		Т	Theme			Goals		
		1st C	Guidance (at the	end of first semes	ster)	training	and the	the precautions of student manners at the training site.
		2nd I	ntern (during sur	nmer vacation)			perience ning site.	some of the technical activities at
		3rd S	Same as above				s above	
	1st Quarter	4th S	Same as above			Same a	s above	
	2	5th S	Same as above			Same a	s above	
		6th S	Same as above			Same a	s above	
			Same as above			Same a	s above	
1st Semeste		 	Same as above				s above	
r			Same as above				s above	
			Same as above				s above	
			Same as above				s above	
	2nd		Same as above				s above	
	Quarter		Same as above Same as above				s above s above	
				ng (done at the h	eginning of the			
		15th s	second semester, middle of the seco	ng (done at the b grades will be ar and semester)	nnounced in the	Can rep slides.	ort the c	outcome of the internship using
			No final exam					
		1st						
		2nd						
Jnd		3rd						
2nd Semeste	3rd	4th						
r	Quarter	5th						
		6th						
		7th						
		8th						

		9th						
		10th						
		11th						
	4th	12th						
	Quarter	13th						
		14th						
		15th						
		16th						
Evaluat	ion Meth	nod ar	nd Weight (%)					
			Training destination evaluation	Report	I	Presentation	Total	
Subtotal			30	30	4	40	100	
Basic Proficiency		0	0	(0	0		
Specialized Proficiency		30	30	4	40	100		
Cross Are	a Proficier	ncy	0	0	(0	0	

Д	kashi Co	ollege	Year	2023		Course Title	Off-Campus Practical Training B	
Course	Informa	tion				Charialized / Elective		
Course Co	ode	5433			Course Category	Specializ	ed / Elective	
Class For	mat	Practical tra			Credits	School C	redit: 2	
Departme	ent		nd Computer Engineering Cou		Student Grade	4th		
Term		Year-round			Classes per Weel	eek 2		
Textbook Teaching								
Instructo	r	All faculty o	f the departme	ent				
Course	Objectiv	es						
(1) Can e (2) Can u	experience use slides t	some of the a o report on the	ctual technical e things they h	activities related t ave experientially	to engineering. learned.			
Rubric					1			
i			Ideal Level		Standard Level		Unacceptable Level	
Achievement 1			Can experience actual technica related to engir collaboratively	l activities	Can experience s actual technical a related to engine	activities	Cannot experience some of the actual technical activities related to engineering.	
Achievem	nent 2	Can use slides to report on the				Cannot use slides to report on the things they have experientially learned.		
Assiane	igned Department Objectives				1		<u>'</u>	
	ssigned Department Objectives eaching Method							
Outline	ig Metric	Internship i fields of ele	ctrical and elec	tronic engineering	ernment agencies g and information n exert the knowle	engineering. T	rporations, universities, etc. in the hrough this experience, students learning.	
Style		1	•		the internship des	_		
Notice Charact	teristics	Student nee Students w such as rep	ed to be respec ho spend less t	tful of courtesies, han 9 days or les be eligible for a p	orld technical activ attire, language, s than 72 hours (s passing grade.	ities. and other beh shortages with	aviors appropriate as an internee. in 4 hours may be replenished by	
	Learning		☐ Aided by IC		☑ Applicable to	Remote Class	☐ Instructor Professionally Experienced	
Course	Dlan							
Course	Fiaii	The	eme		G	oals		
				end of first semes	. , C	an understand	the precautions of student manners at the training site.	
		2nd Int	ern (during sur	nmer vacation)	С		some of the technical activities at	
		3rd Sai	me as above			ame as above	·	
	1st Quarter	4th Sai	me as above		S	ame as above		
	Quarter	5th Sai	me as above		S	ame as above		
		6th Sai	me as above		S	ame as above		
1st		7th Sai	me as above		S	ame as above		
Semeste		8th Sai	me as above		S	ame as above		
r		9th Sai	me as above		S	ame as above		
		10th Sai	me as above		S	ame as above		
		11th Sai	me as above		S	ame as above		
	2nd	12th Sai	me as above		S	ame as above		
	Quarter	13th Sai	me as above		S	ame as above		
		14th Sai	me as above		S	ame as above		
		15th Sai	me as above		S	ame as above		
			final exam	nmor vacation			some of the technical activities at	
				mmer vacation)	th	ne training site		
			me as above			ame as above		
2nd	2 114		me as above			ame as above		
Semeste	3rd Quarter	t	me as above			ame as above		
I.		h	me as above			ame as above		
		h	me as above			ame as above		
			me as above			ame as above		
		8th Sai	me as above		S	ame as above		

		9th	Same as above			Same as above			
		10th	Same as above	Same as above			Same as above		
		11th	Same as above			Same as above			
		12th	Same as above			Same as above			
	4th	13th	Same as above			Same as above			
	Quarter	14th	Same as above			Same as above			
		15th	Internship reporting second semester, g middle of the second	g (done at the beginr Irades will be announ Id semester)	ning of the ced in the	Can report the outcome of the internship using slides.			
		16th	No final exam						
Evaluat	ion Meth	od an	d Weight (%)						
			Training destination evaluation	Report	Р	Presentation	Total		
Subtotal			30	30	4	10	100		
Basic Prof	ficiency		0	0	0)	0		
Specialized Proficiency 30		30	4	10	100				
Cross Are	Cross Area Proficiency 0		0	0)	0			

A	Akashi College		Year	2023		Course Title	Electromagnetics II A	
	Informa	<u>tion</u>						
Course C		5434			Course Categor		red / Elective	
Class For	mat	Lecture			Credits	School Credit: 1		
Departm	ent	Electrical a Computer	nd Computer E Engineering Co	ngineering urse	Student Grade	4th		
Term		First Seme	ster		Classes per Wee	ek 2		
Textbook Teaching	and/or Materials	1)小塚洋司	著、新装版「電磁	滋気学」、森北出版	2)後藤憲一、	山崎修一共編、	「詳解電磁気学演習」、共立出版	
Instructo		OHMUKAI	Masato					
	Objectiv			_				
	する諸法則を	と埋解し、説明	することができる	5.				
Rubric			田相のもないまし	<u>«попр</u>			ナがきしがよるロウ	
			理想的な到達レースは	ヘルの日安 法則を理解し、詳	標準的な到達レク 磁気に関する諸法		未到達レベルの目安 磁気に関する諸法則を理解し、説	
評価項目[[1]		しく説明するこ	とができる。	明することができ	まる。	明することができない。	
Assigne	ed Depar	tment Obje	ectives					
Teachir	ng Metho	d						
Outline		電気磁気学	「で学んだ静電界の	の知識を基礎として	て、主として時間変	化のない磁気分野	野について学習する。	
Style		講義形式に	より重要な概念の	D解説を行い、より Jい理解度チェック	深く理解するために	こ、周囲とのコミ	ュニケーションを交えた自習をおこ	
Notice						 授業中は集中し 象としない欠席条	・ ・て理解に努め、わからないところを ◆件(割合)>1/3以上	
Charac	teristics	of Class / D	Division in Le	arning				
☑ Active	Learning		☐ Aided by IC	T	☑ Applicable to	Remote Class	☐ Instructor Professionally Experienced	
Course	Plan							
		Th	neme		(Goals		
		1st ク	ーロンの法則、対	ガウスの定理		荷と電界と電位の	ガウスの定理が理解できている。電 D関係を説明できる。	
		2nd 誘	電体とコンデンサ)		ンサの物理量の関	る物理量の関係が説明できる。コンデ 関係が説明できる。	
	1st	3rd 磁	界と磁力線			ることが理解でき	解し、コイルが磁気2重層と透過であきる。 責分の法則を用いて磁界が計算できる	
	Quarter	4th ア	ンペアの周回積分	分の法則、磁位		。磁気双極子モー	■メントを知る。	
		5th ビ	オサバールの法則	N .	:	微小電流による硫	茲界の算出ができる。	
		6th 磁	界による力				じる力の表現を知る。	
		7th 復	習			周囲の人とコミニ めることができる	1二ケーションを取りながら理解を深る。	
1st		8th 確	 認テスト			<u>60点を取得する</u>		
Semeste		9th 磁	化と磁束密度		7	磁化の概念を理解	解し、磁束密度について知る。	
r		10th 透	磁率と磁化率と均	竟界条件		透磁率と磁化率の 境界条件について	D概念を理解しその関係を知る。また て知る。	
		11th 磁	極と減磁力と磁気			<u></u> 磁極に関するク-	-ロンの法則を理解すると共に、単極 いことを式で表せる。	
	2nd	12th ^	クトルポテンシャ	アル			シャルの定義を書くことができる。ま こ対応する式を書ける。	
	Quarter	13th 磁	界のエネルギーで	上B-H曲線		磁界の持つエネル ついて理解する。	レギーを書くことができ、B-H曲線に	
		14th 磁	気回路		1		る物理量を知る。電磁石が鉄を吸引す	
		15th 復	習			周囲の人とコミニ めることができる	ュニケーションを取りながら理解を深 る。	
		16th 期	末試験			60点以上を取得	 导する。	
Evaluat	ion Meth	od and We	eight (%)					
			試験		平常点		Total	
Subtotal			50		50		100	
基礎的能力	カ		0		0		0	
専門的能力	L.		50		50		100	

А	Akashi College Year 2023		_	ourse Title	Electromagnetics II B				
Course	Informa	tion				Capitalized / Florting			
Course Co		5435	435 Course Category Specialized / Elective						
Class For	mat	Lecture			Credits		School Cr	edit: 1	
Departme	ent	Computer E	nd Computer Ei Engineering Cou		Student Grade		4th		
Term		Second Sen	nester		Classes per We	ek	2		
	Materials	70 011 01		5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5	2)後藤憲一、	山崎修	一共編、「	詳解電磁気学演習」、共立出版	
Instructor		OHMUKAI N	1asato						
(1) イン	Objectiv /ダクタン/ 対電流につい	スと電磁誘導の棚	概念について理解 vell 方程式をから	ない できる。 ら導かれる諸性質に	ついて説明できる	0			
Rubric									
]	理想的な到達レイ	ベルの目安	標準的な到達レイ	ジルの目	安	未到達レベルの目安	
評価項目[:	1]		自己インダクタン クタンスの概念を ことができる。	ンスと相互インダ を詳しく説明する	自己インダクタン クタンスの概念を できる。	シスと相 を説明す	1互インダ 「ることが	自己インダクタンスと相互インダクタンスの概念を説明することができない。	
評価項目[2	価項目[2] 電磁誘導の法則について詳しく説 電磁誘導の法則 明することができる。 ことができる。				電磁誘導の法則にことができる。	こついて	説明する	電磁誘導の法則について説明する ことができない。	
評価項目[3	3]		Maxwell 方程式 質について詳し	から導かれる諸性 く説明できる。	Maxwell 方程式が 質について説明で	から導た できる。	かれる諸性	Maxwell 方程式から導かれる諸性 質について説明できない。	
Assigne	d Depar	tment Obje							
	g Metho								
Outline	====================================						時間変化が存在する場合について学 Oいても学ぶ。		
Style		講義形式によ			深く理解するため(1二ケーションを交えた自習をおこ	
Notice		3年の電気磁 め、わからた) >1/3以上	蒸気学 I 及び 4 年 いところを授業	この電気磁気学II-Aの 中に質問して解決し	D知識がないと単位 していくプロセスが	立取得にが求めら	はかなり困難 られる。評値	能である。授業中は集中して理解に努 面の対象としない欠席条件(割合	
Charact	eristics	, , , , , , ,	ivision in Le	arning					
☑ Active		,	☐ Aided by IC	<u> </u>	☑ Applicable to	Remo	ote Class	☐ Instructor Professionally Experienced	
		-							
Course	Plan	The	eme			Goals			
		1st イン	ンダクタンスとノ	ノイマンの公式			ンダクタン マンの公式	スと相互インダクタンスの定義を知 を導ける。	
		2nd イン	ンダクタンスの接	接続と結合係数およ?		インダ [・] 味を知		接続について理解し、結合係数の意	
		3rd 電码	滋誘導法則とロー	-レンツカ		ファラ との関	デーの電磁 連を知る。	誘導の法則を理解し、ローレンツカ	
	3rd	4th 電码	滋誘導法則の拡張	<u> </u>		ファラデーの電磁誘導の法則の積分形と微分形の関係 をしり、ローレンツカを導出できる。			
	Quarter	5th 自ā	己誘導作用と回路	各に働く力		自己誘 ^達 る。	導作用につ	いて理解し回路に働く力を算出でき	
		6th 表质	皮効果と渦電流			表皮効! る。	果について	定量的に理解し、表皮厚について知	
2nd		7th 復習					人とコミュ. とができる	ニケーションを取りながら理解を深 。	
Semeste r		8th 確認	忍テスト			6 0 点	を取得する	0	
		9th 変化	立電流とマックス	スウェルの方程式			流の概念を 書けるよう	理解し、マックスウェルの 4 つの方 になる。	
		10th 波動	助方程式と電磁波	 坡の性質		波動方できる。		でき、電磁波の性質を定量的に説明	
		11th 電研	滋波の伝搬特性			電磁波	伝搬に関す	る物理量について理解する。	
	4th		滋波の境界条件					界条件を定量的に知る。	
	Quarter	13th 平面	面波の反射と透過	<u> </u>				射に関する量的関係を知る。	
		14th ポ-	インティングべク	7トル		明でき	る。	クトルの定義を知り、その性質を説	
		15th 復習	-			めるこ	とができる		
		1 1	卡試験			60点	以上を取得	する。	
Evaluati	ion Meth	od and We			I			<u></u>	
6 1			試験		平常点			Total	
Subtotal			50 0		50			0	
基礎的能力			<u>)</u> 50		50			100	
マチョ コロッド化ノ.	J	,	JU		٥٠١			1100	

		1	
分野横断的能力	ln	ln	ln
ノノエバスはバルンはピノノ	10	10	10

А	Akashi College		Year	2023		Course Title	Applied Physics II	
Course	Informa	tion						
Course Co	ode	5438			Course Category	y Specializ	zed / Elective	
Class For	mat	Lecture			Credits	School Credit: 1		
Departme	ent		and Computer E Engineering Co		Student Grade	4th		
Term		Second Se			Classes per Wee	ek 2		
Textbook								
Teaching Instructor		NAKANISH	II Hirochi					
			II HIIOSIII					
(1) Under (2) Under (3) Under	rstand the rstand the	basics of how basics of opt basics of the	v to handle vibra ics. rmodynamics. mpile their cont	ation phenomena	in mechanics.			
Rubric				-				
			Ideal Level		Standard Level		Unacceptable Level	
Achievem	nent 1		Can explain the of vibration photographic correctly and a specific question	pply them to	Can explain the of vibration phe apply them to s questions.	nomena and	Cannot explain the basic concepts of vibration phenomena or apply them to specific questions.	
Achievem	nent 2		Can explain the of optics correcthem to specifi accurately.		Can explain the of optics and ap specific question	ply them to	Cannot explain the basic concepts of optics or apply them to specific questions.	
Achievem	nent 3		Can explain the of thermodyna and apply then questions accu	n to specific ´	Can explain the of thermodynan them to specific	nics and apply	Cannot explain the basic concepts of thermodynamics or apply them to specific questions.	
Achievem	nent 4		the experiment themselves and	ate insight into ts conducted by d summarize the riately in a report.	Can give insight experiments cor themselves and results in a repo	nducted by summarize th	Cannot give insight into the experiments conducted by themselves or summarize the results in a report.	
Assigne	d Depar	tment Obj	ectives					
Teachin	g Metho	d						
Outline	_	Among th	e major fields in	classical physics,	this course will le	ecture on vibra	tion in mechanics, optics, and	
				so involve mecha			s. cises and quizzes. In addition,	
Style		there will	pe two classes t	o conduct experin	nents.	ili also be exer	cises and quizzes. In addition,	
Notice		problem) being able the variou Students of	by memorizing in to apply them to s laws, and try to tan earn extra p to, in the class.	t individually, stud to specific situatio to understand cor oints by submittir	dents should undens). Also, studen ns). Also, studen ncepts in physics s ng voluntary assig	erstand the lave ts should be avery systematically. In ments, and leave the system of	ticular situation, how to solve the vs that govern them (including ware of the relationships between ose their points depending on their of the laboratory, etc.	
Charact	eristics (Division in Le		···· ··· · · · · · · · · · · · · · · ·		•	
☑ Active		<u> </u>	☐ Aided by IC	<u> </u>	☑ Applicable to	Remote Class	☐ Instructor Professionally Experienced	
_								
Course	Plan	-			T.	01-		
			neme	out vibration		Goals	ampad vibration	
			everal topics ab everal topics ab			Learn about da Learn about fo	emped vibration.	
							rced vibration.	
	. All Desire in autica				cs of geometrical optics.			
3rd 4th Quarter 5th			asics in optics		i		es of light as a wave.	
			asics in optics			Learn about in		
7th			asics in optics			Learn about di		
.			idterm exam					
2nd Semeste 9t			echanical exper	iments	ļ	Learn how to c	conduct and report experiments on nechanical measurement.	
I	r		echanical exper	iments	ı	Learn how to c	conduct and report experiments on nechanical measurement.	
	4+1-	11th B	asics in thermod	lynamics			cs of thermodynamics.	
	4th Quarter		asics in thermod	•			•	
	ر ما درا	H	asics in thermod	•		Learn how to handle specific heat. Learn how to handle the Carnot cycle.		
			asics in thermod	•			e second law of thermodynamics.	
		15th B	asics in thermod	lynamics	I	Learn about th	e irreversible change.	
		16th F	nal exam					

Evaluation Method and Weight (%)									
Examination Exercise / Short test Report Total									
Subtotal	54	36	10	100					
Basic Proficiency	0	0	0	0					
Specialized Proficiency	54	36	10	100					
Cross Area Proficiency	0	0	0	0					

								Tunnaiant Analysis as
А						ourse Title	Transient Analysis on Electric Circuits	
	Informa				1			
Course Co		5439			Course Categor	•	•	ed / Elective
Class Forr	mat	Lecture			Credits	School Cre		redit: 1
Departme	ent	Compute	I and Computer Engineering er Engineering Course		Student Grade		4th	
Term		First Sen	nester		Classes per We	ek	2	
Textbook Teaching								
Instructor		SUYAMA	Taikei					
Course	Objectiv	es						
physical n (1) Single Unders (2) Multip Multiple (3) Distrib	neaning. T energy citand and s le-energy types of outed-elem	hree types rcuits (R-L solve single circuits (R- energy que nent circuits	of circuits will be circuits, R-C circ energy circuits. L-C circuits) estions. Basic des	e covered: uits) sign knowledge of c	oscillation circuits	s.		ematical interpretation but also
Rubric								
110.01.0			Ideal Level		Standard Level			Unacceptable Level
Achievem	ent 1		Single-energy circuits, R-C o Understand th solutions of a circuit, and so questions.	ne questions and single-energy	Single-energy of circuits, R-C cir Understand the solutions of sincircuits.	e questi	ions and	Single-energy circuits (R-L circuits, R-C circuits): Do not understand the questions and solutions of single-energy circuits.
Achievem	ent 2		circuits): Can	gy circuits (R-L-C solve multiple gy questions, as sic design of uits.	Multiple-energy circuits): Under types of energy well as the bas oscillation circu	Multiple-energy circuits (R-L-C circuits): Do not understand multiple types of energy problems or the basic design of oscillation circuits.		
Achievement 3 Onderstand the basic properties and the association with realworld lines such as communication lines and transmission lines and colvo					Distributed-element circuits: Do not understand the basic properties and the association with real-world lines such as communication lines and transmission lines.			
Assigne	d Depar	tment Ob	jectives					
	g Metho							
Outline		Ithe trans	sient phenomena	of single- and mul	ltiple-eneray circ	cuits an	ıd distribu	ent phenomena, and learn about uted-element circuits. We will n transient phenomena.
Style		Students 100% or The mini The crite (1) Unde (2) Unde element	who miss 1/3 on periodic exams imum score for a pass is erstand the basic erstand and can a circuits	r more of classes v pass will be 60 mathe following three questions and solu	vill not be eligible arks on the abov points: itions for transie henomena in sir	e for ever ent phengle- ar	valuation. ns. nomena. nd multipl	e-energy circuits and distributed-
Notice		Istudy the	e Laplace transfo	nly involve solving orm and inverse cor r more of classes v	nversions of vari	ious ma	athematic	ace transform, students need to al functions. grade.
Charact	eristics o	of Class /	Division in Le	earning	T			
☐ Active					☐ Instructor Professionally Experienced			
Course	Plan	 			1			
		t	Theme	nciont phonesses	and guartier	Goals		
how to handle them. Explain how to solve transient phenomena questions in a single-energy R-L circuit.						v to solve transient phenomena ingle-energy R-L circuit.		
1st Semeste r	1st Quarter	2nd	In general, trans circuits do not ca of the electrosta exists. Learn abo		R-L or R-C ause only one d energies	L or R- only or	-C circuit	t a transient phenomenon in an R- does not cause vibration because electrostatic or magnetic field
		Jiu	basic questions (mena in single-ene evious week, expla using Laplace trans ling initial values.	rgy circuits (2) in how to solve forms that are	Use th question		transform to solve basic

Angle				1			1			
Definition of Laplace transforms, theorem and inverse conversion of Laplace transforms and provides guidance on how to use it to solve questions. Explain and inverse conversion of the Laplace transform that is necessary to solve actual questions. The basics of circuit analysis using the Laplace transform.			4th	Learn about transi energy circuits wh	ient phenomena	in śingle- ` ´	energy circuit wh			
Comparison Com			5th	Definition of Lapla inverse conversion Define Laplace tra on how to use it to do exercises on th inverse conversion	n of Laplace trans nsforms and pro- o solve questions se various theore n of the Laplace t	sforms vides guidance a. Explain and m and the ransform that				
Part Do exercises on transient phenomena in single-energy circuits. Transient phenomena in multiple-energy circuits In a circuit where magnetic field energy and electrostatic energy both exist, in other words, a circuit that the basic properties in a circuit where magnetic field energy and electrostatic energy both exist, in other words, a circuit that the basic some second may be an adverse not. Learn about such circuits. Transient phenomena in multiple-energy circuits, and how to solve them sing differential equations.			6th	transform For a basic circuit to use the Laplace	containing L or C transform to de	c, explain how termine the				
Sth			7th	Do exercises on tr	ansient phenome	ena in single-	Do exercises on	transient phei	nomena in single-	
Substitute Sub					ena in multiple-e	energy circuits				
Subtotal Peth Care Peth Care Peth Care Peth Care Peth Care Peth Care Peth Pet			8th	In a circuit where electrostatic energicircuit that consist equations will become there will be cases	other words, a the differential er ones, and ons occur and	multiple-energy	circuits, and h			
10th			9th	(2) Learn about transi multiple-energy LI	ient phenomena RC circuits when	of discharge in	multiple-energy	LRC circuits w	hen a DC	
Part			10th	(3) Learn about transi alternating electro	ient phenomena motive force is a	when an	alternating electi	romotive force	ena when an e is applied to a	
Quarter 12th		2nd	11th	phenomena in dist Derive the basic e circuits during stea phenomena and e	tributed-element quations of distri ady-state and tra	circuits. buted-element Insient	phenomena in di Can derive the b element circuits phenomena and	istributéd-eler asic equations during steady	ment circuits. s of distributed- y-state and transient	
Learn how to solve the transient phenomena in distributed-element circuits using the Laplace transform. Find the wave propagation speed on the line. 13th			12th	Transient phenom circuits (1) Introduce solution	s using the Lapla	ice transform	circuits (1) Understand the solution of infinite, lossless, and			
14th Do exercises on multiple-energy circuits and distributed-element circuits. 15th Total review 16th Final exam Final exam Final exam Final exam Final exam Final exam Foresentation Presentation Presentation Presentation Subtotal 100 0 0 0 0 0 0 0 0			13th	circuits (2) Following the prevalent transient pher circuits using the I	vious week, learn nomena in distrib Laplace transforn	how to solve uted-element n. Find the	distributed-element circuits using the Laplace transform. Can find the wave propagation speed			
Total Final exam Final ex		14th Do exercises on multiple-energy circuits and		rcuits and	Do exercises on		gy circuits and			
Evaluation Method and Weight (%) Examination Presentation Wutual Evaluations between students Subtotal 100 0 0 0 0 0 0 0 0 100 Basic Proficiency 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				Total review			Total review			
Examination Presentation Wutual Evaluations between students Behavior Portfolio Other Total Subtotal 100 0 0 0 0 0 0 0 0 100 Basic Proficiency 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0							Final exam			
Examination Presentation Evaluations between students Behavior Portfolio Other Total Subtotal 100 0 0 0 0 0 0 0 0 100 Basic Proficiency 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Evaluati	on Met			Т	1	1			
Basic Proficiency 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 100 100 0 100 0		Examination Presentation Evaluations between Behavior		Behavior	Portfolio	Other	Total			
Proficiency 0 0 0 0 0 0 Specialized Proficiency 100 0 0 0 0 100 Cross Area 0 0 0 0 0 0 0	Subtotal			0	0	0	0	100		
Proficiency 100 0 0 0 0 100 Cross Area 0 0 0 0 0 0 0 0		ency 0 0 0		0	0	0	0			
	Proficiency			0	0	0	100			
				0	0	0	0	0	0	

Δ	.kashi Co	ollege	Year	2023			ourse	Electronic Circuits II
	Informa		, cui				Title	
Course Co		5440			Course Categor	V	Specializa	ed / Elective
Class Forr		Lecture			Credits	<i>y</i>	School C	-
Departme	ent	Electrical	and Computer er Engineering C	Engineering	Student Grade		4th	
Term			Semester	ourse	Classes per We	ek	2	
Textbook							1	
Teaching Instructor		OHMLIKA	I Masato					
	Objectiv	<u> </u>	11103010					
1) Unders them, and 2) Accura these circ 3) Accura 4) Accura	stand the o d can analy tely under uits.	characteristing the second characteristics the second characteristics and the postand the postand the postand the postand characteristics.	rcuits. rinciples and pr	nents, accurately un operties of negative	-feedback circuit	s and	various a	perties of basic circuits using mplifier circuits, and can analysis analyze and design these circuits. circuits, and can analyze and
Rubric								,
			Ideal Level		Standard Level			Unacceptable Level
Achievem	ent 1		of active elen understand the properties of	he characteristics nents, accurately ne principles and basic circuits using n analyze these	Understand the of active elementhe principles and basic circuits us can analyze the	nts, ur nd pro sing th	nderstand perties of em, and	
Achievem	ent 2		principles and negative-feed various ampli	derstand the d properties of dback circuits and fier circuits, and these circuits.	Understand the properties of ne circuits and varicircuits, and carcircuits.	ėgative ious ai	-feedback mplifier	principles and properties of
Achievem	ent 3		properties ac	he principles and curately, can design circuits etic amplifiers.	Understand the properties, can design circuits uamplifiers.	analyz	ze and	Do not understand the principles and properties of circuits using arithmetic amplifiers.
			principles and oscillator, mo	circuits, and can	Understand the properties of os modulator, and circuits, and car design these cir	cillato demo n anal	r, dulator	Do not understand the principles and properties of oscillator, modulator, and demodulator circuits.
	d Depar g Metho	tment Ob	jectives					
Outline	g Metrio	We will e		s of analogue electi ET), and operation		ng acti	ve elemer	nts such as diodes, transistors,
Style		Classes v	vill be held in a ises and design	lecture style, mainly assignments as app	y by explaining c propriate.	ontent	t following	the textbook. Students will work
Notice		Ishould co	onstruct the circ	learn in an active r cuit they designed a or more of classes w	nd study its oper	ration.	-	its themselves. If possible, they
Charact	eristics o	•	Division in L				<u> </u>	,
☐ Active	Learning		☐ Aided by 3	ICT	☑ Applicable to	Remo	ote Class	☐ Instructor Professionally Experienced
Course	Plan							
			Theme	-		Goals		
		1st	Differential amp	lifier circuit 1			stand the ier circuits	characteristics of differential
		2nd	Differential amp	lifier circuit 2			stand hov	v to design differential amplifier
		3rd	Voltage followe	circuit			stand the er circuits	emitter follower and source
2nd	3rd Quarter	4th	Characteristic o	f an operation ampl	illei	amplif	ier.	characteristics of an operation
Semeste r	Qual (Cl	5th	Basic amplifier o	circuit of an operation	л апрішеі	using	an operat	basic design of an amplifier circuit ion amplifier.
		6th	Application circu	uit of an operation a	Прше	operat	tion ampli	
			RC oscillator cir	cuit			stand the ency oscilla	RC oscillator circuit used as a low- ator.
	4th	8th	Midterm exam					
	4th Quarter	9th	LC oscillator circ	cuit		such a	stand the is Hartley	LC and crystal oscillator circuits, and Colpitts.

	10t	h V	ariable frequency oscillator circ	uit	Understand the o	scillator circuit, which allows the ncy to be variable.	
	11t	h TI	he basics of modulation and de	modulation	Understand the rand demodulation etc.	elationship between modulation n and the features of AM, FM,	
	12t	h M	odulation circuit		Understand the A	AM and FM modulation schemes.	
	13t		emodulator circuit 1		Understand the A	AM demodulation scheme.	
	14t	h D	emodulator circuit 2		Understand the F	Understand the FM demodulation scheme.	
	15t	h Po	ower circuit		Understand the belectronic circuits	pasics of power circuits used in and regulated power circuits.	
	16t	h Fi	inal exam				
Evaluation	on Method	and We	eight (%)				
			Examination	Other		Total	
Subtotal	al		70 30			100	
Basic Profi	ciency	0 0		0		0	
Specialized	Proficiency 70 30					100	
Cross Area	Proficiency	·	0	0		0	

А	Akashi College		Year	Year 2023		Course Title	Control Engineering I
Course 1	Informat	tion				110.0	
Course Co		5441			Course Categor	y Special	ized / Elective
Class Forn	mat	Lecture			Credits	Acaden	nic Credit: 2
Departme	nt	Electrical	l and Computer I er Engineering Co	Engineering ourse	Student Grade	4th	
Term		-	Semester	34.33	Classes per We	ek 2	
Textbook	and/or						
Teaching Instructor		ENOMOT	O Rvuii				
	Objectiv		<u> ,</u>				
2. Unders 3. Can ex 4. Can ex 5. Can ex 6. Can ex	tand the s plain trans plain stead plain frequ	ystem reprosient proper dy-state pro Jency chara	esentation using ties using step re operties using the cteristics using a	e steady-state devi	ation.		
Rubric			Ideal Level		Standard Level		Unacceptable Level
Achievem	ent 1			ransfer function	Can explain how		Do not know how to derive a transfer function.
Achievem	ent 2		Can simplify a	block diagram series, parallel, bonds.	Can simplify ser feedback bonds diagram.	rial, parallel, a	0.0
Achievem	ent 3			Il the indicators for nsient properties ise.	Can explain son indicators for extransient proper response.	/aluating	Cannot explain the indicators for evaluating transient properties in step response at all.
Achievem	ent 4		Can derive the method of ste deviation and steady-state caccurately.	ady-state can calculate the	Know the calcul (formula) of ste deviation.		Cannot explain steady-state deviation.
Achievem	ent 5		Can express t response of a by combining elements, in a	system obtained the basic	Can express the response of son elements in a B	ne of the basic	Do not know a Bode plot.
Achievem	ent 6				Can explain the stability determ Nyquist stability	ination using t	the Cannot explain the Nyquist stability criterion.
Assigne	d Depart	tment Ob	jectives		•		
Teachin	g Metho	d					
Outline		refrigera	tors, have a auto focusing on trans	omatic control func	tion. In this lect requency respon	ture, students ise. In addition	luding cars, air conditioners, and will learn the basics of classical n, students will deepen their s as appropriate.
Style		lintroduce	ed.	,			y response, and stability will be e content of the class.
Notice		knowledge credits, s assignment hours of study time	ge of Laplace con students may no ents. The specific study in total. T ne required for p	nversion and révers t be eligible for pas c conditions will be	se conversion is to sing depending of shown during the the learning time and completing a	the premise of on the submis le lecture. This e guaranteed assignment re	e familiar with the calculations. Basic f this course. Since this subject offer sion and content of the s course's content will amount to 90 in classes and the standard self- ports. n.
Charact	eristics o	of Class /	Division in Le	earning			
☑ Active	Learning		☐ Aided by I	СТ	☑ Applicable to	Remote Clas	s ☐ Instructor Professionally Experienced
Course	Plan						
			Theme		<u> </u>	Goals	
		1st	Introduction			method, etc. o	ne objectives and the grading of the course. ow feedback control works.
2nd Semeste r	-114 13rd 1		Laplace transfor	m and inverse tran	sform	transform. Can calculate on partial frac the square.	the expression of the Laplace the inverse Laplace transform based tion decomposition or completing
		3rd	Modeling with di	fferential equations	5.		model (differential equation) that e dynamic characteristics for a n.
		4th	Transfer function	ns			ransfer function using the Laplace

		5th	Block diagrams			Can simplify se Can simplify a three bonds at	block diagram	and feedback bonds. consisting of the	
		6th	Calculation of trai	nsient response			he inverse Lar	of the Laplace place transform based ition or completing	
		7th	The basic elemen	ts and their time	response	Can explain the Can explain the elements in ter	e characteristic	e six basic elements. cs of the basic sponse.	
		8th	Evaluation metric	of the time resp	onse	Can explain the properties usin Can explain ste Can calculate s	a step respons	netric of transient se. viation. eviation.	
		9th	What is frequency	/ response		Can explain the	e frequency tra	frequency response. ansfer function and gain and phase.	
		10th	th Vector locus				e characteristionts. ctor locus	cs of the vector locus	
		11th	Bode plots	Bode plots				cs of Bode plots of a ler lag factor, and	
	4th Quarter	- 12th	Combining Bode	Combining Bode plots			Bode plots.		
		13th	Stability of a cont	Stability of a control system			e stability cond the stability fi e transfer fund	rom the position of	
		14th	Stability criterion	Stability criterion of a feedback control system			the stability o lyquist stabilit	of a feedback control y criterion.	
		15th	Review			Review the cor	Review the content of classes in the second half		
		16th	Final exam			0 5555			
Evaluati	ion Me	thod and	Weight (%)						
		examination Exercise between		Mutual Evaluations between students	Behavior	Portfolio	Other	Total	
Subtotal	7	'0	30	0	0	0	0	100	
Basic Proficienc	y c)	0	0	0	0	0	0	
Specialize Proficienc		70 30		0	0	0	0	100	
Cross Are Proficienc	a c)	0	0	0	0	0	0	

Akashi Col	llege	Year	2024	2024		English Conversation II		
Course Information								
Course Code	6501			Course Category	General	/ Compulsory		
Class Format	Format Lecture				School C	Credit: 1		
Department	Electrical and Computer E	d Computer Engineering Co	ingineering urse	Student Grade	5th			
Term	Second Sem	ester		Classes per Week	2			
Textbook and/or Teaching Materials								
Instructor	HERBERT Jo	hn C.						
Course Objectives								

Course Objectives

- 1) Read aloud or speak considering the basic rhythms, intonations, and sound connections in phrases and sentences in order to convey one's meaning to a listener.

 2) Learn the rules of English pronunciation and accents and use them properly in order to speak clearly and convey one's meaning
- to a listener.
 3) Memorize the vocabulary learned in junior high school. Learn new vocabulary in accordance with the curriculum guidelines for high school and technical English terms required for professional education, and use them properly.
 4) Learn grammar and sentence structure in accordance with the curriculum guidelines for high school in addition to the grammar and structure learned in junior high school, and use them properly.
 5) Listen to and catch the necessary information from the content spoken in a clear pronunciation at a speed of about 100 words a minute, regarding everyday life and familiar topics.
 6) Speak one's opinions and impressions in English using basic terms, regarding everyday life and familiar topics.
 7) Make explanations and tell stories at a speed of about 100 words a minute in a manner that conveys one's meaning to a listener.
 8) Use conversation strategies to keep an English conversation lively and meaningful.

') Use conversation strategies to keep an English conversation lively and meaningful. Rubric										
		Mastery Level	Standard Leve	<u> </u>	Unacceptable Level					
1		Clear pronunciation and natural intonation			Poor pronunciation using only Japanese katakana to try to speak English and flat intonation					
2		Natural accent, stress, and rhythm	Understandabl and rhythm	e accent, stress,	Incomprehensible accent, stress, rhythm					
3		Mastery of all textbook vocabulary	vocabulary wh	ich the teacher	Mastery of only a few of the textbook vocabulary which the teacher focused on in class lectures					
4		Mastery of all the grammar from the textbook and from the teacher's lectures	grammar from	the textbook and	Mastery of only some of the grammar from the textbook and from the teacher's lectures					
5		Able to maintain a basic conversation fluently			Not able to maintain a basic conversation					
6		Able to express opinions in English clearly			Not able to express opinions in English					
7		Able to explain ideas fluently in English			Not able to explain ideas in English					
8		Able to use all of the English conversation strategies from the textbook skillfully and with ease	the Fnglish conversation strategies		Not able to recognize or use English conversation strategies from the textbook					
d Depar	tment Ob	ojectives								
g Metho	d									
	This cou they hav	rse focuses on English conversation re learned from previous classes cor	practice and come alive in its sp	onfidence building. poken form.	Students will make the English					
	This cou given at	rse also includes the practice and a the end of the semester and speak	ssessment of pr	onunciation and in	tonation. A written test will be					
	individua focused	al and as a member of a group is 20 and those who are more than 10 m)% of the final goinutes late for o	grade for this cours class may be count	se. Students who do not stay					
Characteristics of Class / Division in Learning										
Learning		☑ Aided by ICT	☑ Applicable t	o Remote Class	☐ Instructor Professionally Experienced					
Plan 	 									
1st		Unit 1: Using Rejoinders (Short, na responses in English conversation) Making Following Questions Conversation practice.	tural, and Unit 2:	keen a conversati	good follow up questions to keep					
Quarter	2nd	Unit 3: Confirmation Questions and Clarifications with Question Words Conversation practice.	l Unit 4: Last	misunderstanding	r confirmation to avoid J. r clarification of specific					
	1 2 3 4 5 6 7 8 d Depar g Metho	1 2 3 4 5 6 7 8 d Department Obg Method This count they have be a considered focused focused focused students eristics of Class / Learning Plan 1st 3rd Quarter	Mastery Level Clear pronunciation and natural intonation Natural accent, stress, and rhythm Mastery of all textbook vocabulary Mastery of all the grammar from the textbook and from the teacher's lectures Able to maintain a basic conversation fluently Able to express opinions in English clearly Able to explain ideas fluently in English Able to use all of the English conversation strategies from the textbook skillfully and with ease Department Objectives Method This course focuses on English conversation they have learned from previous classes core Each lesson will involve plenty of conversation they have learned from previous classes core Each lesson will involve plenty of conversation they have learned from previous classes core Each lesson will involve plenty of conversation they have learned from previous classes core Each lesson will involve plenty of conversation they have learned from previous classes core Each lesson will involve plenty of conversation of the semester. Active participation in English is essential for individual and as a member of a group is 20 focused and those who are more than 10 m Students who miss 1/4 or more of classes veristics of Class / Division in Learning Learning Theme Unit 1: Using Rejoinders (Short, na responses in English conversation) Making Following Questions Conversation practice. Unit 3: Confirmation Questions and Clarifications with Question Words	Mastery Level Standard Leve	Mastery Level Standard Level					

		3rd	Unit 6: Expre	ng or Killing the Conve	ersation and	Practice using expressions to continue a conversation when desired and expressions to end a conversation when continuing is not			
			Conversation	practice.		desired Learn	d. to express how the ce	ertainty of an answer.	
		4th	Unit 7: Interr Instructions.	rupting Someone and l	Jnit 8: Echoing	Practic someo Practic	be joining conversation one politely. The confirming understand was said.	ns by interrupting	
		5th	and Unit 10:	Unit 9: Polite Requests, Responses, and Excuses and Unit 10: Getting a Response Conversation practice.			ce making casual and nding both positively a sts. e encouraging others rsation.	nd negatively to	
		6th	Unit 11: Solid and Unit 12: Conversation	Responding with Deta	ails	conver Practic	ce getting more detaile rsation partner. ce giving more detaile rsation partner.	ed information from a	
		7th	Review of firs	st 12 textbook units			e conversation strated a confidently spoken		
		8th	Speaking Tes	its		Use th create	e conversation strated a confidently spoken	gies from the book to English conversation.	
		9th	Unit 13: Maki Finding the R Conversation	ing Comparisons and L ight Word practice.	Jnit 14:	Practic Practic to say		nd ideas in English. ou find the right word	
		10th	Unit 15: Expl Someone Conversation	oring a Word and Unit practice.	16: Correcting	use vo Practic	ce strategies to help you cabulary in a wider race ce correcting someone alse information.	inge of situations.	
		11th			a	Practic	ce making sure that yo ce starting and finishin rsation smoothly.	ou are understood. ig an English	
	4th Quarter	12th		nning and Ending a Ph Expressing Opinions practice.	one Call	smoot	ce starting and finishin hly in English. ce expressing opinions ence.	.	
		13th	Unit 21: Maki Discussion Co Conversation		nd Units 22:	discus: group. Practic and sn	te techniques for parti sions and coming to a te including everyone noothly connecting ev discussion.	consensus as a in a group discussion	
		14th	Units 23 and 24: Summarizing and Conducting a Formal Meeting Conversation practice.		Practice summarizing what has been said and following the rules of participating in formal meetings.				
		15th	1 3			Use the conversation strategies from the book to create a confidently spoken English conversation.			
		16th End-term Exam on ALL of the conversation strategies taught in the textbook.		ersation		the conversation stra			
Evaluati	valuation Method and Weight (%)								
		Two Sp	eaking Tests	One Written Test	Homework/Qu	izzes	Active Learning/Behavior	Total	
Subtotal		40		20	20		20	100	
Basic Engl Communi	lish cation	40		20	20		20	100	

Δ	kashi Co	ollege	Year	2024		Course	English V		
	Informa		. 50.			Title	.5		
Course Co		6502			Course Categor	ry General	/ Compulsory		
Class For		Lecture			Credits		nic Credit: 2		
Departme		Electrica	and Computer I er Engineering Co	Engineering	Student Grade	Grade 5th			
Term		First Sen		74130	Classes per We	eek 2			
Textbook		(1) 早川	幸治「THE HIGH	: THE HIGH ROAD TO THE TOEIC® LISTENING AND READING TEST」KINSEIDO. 篠田重晃「Next Stage 英文法・語法問題」桐原書店.					
Teaching		(2) 瓜生	豊・篠田重晃「Ne	xt Stage 英文法・i	吾法問題」桐原書品	5.			
Instructo									
1) 既習の 2) 既習の 3) 既習の 4) 平易な	D高等学校学 D高等学校学 G英語で書か	学習指導要領 学習指導要領 学習指導要領 学習指導要領	に準じた文法を習 に準じた文構造を 読み、その概要を	を習得して適切に運 得して適切に運用で 習得して適切に運用 把握し必要な情報を 、英語の発音・アク	`きる。]できる。 ∵読み取ることがで	きる。 得して適切に運)	用できる。		
Rubric									
			理想的な到達し	ベルの目安	標準的な到達レイ	ベルの目安	未到達レベルの目安		
評価項目1			高等学校学習指 出語彙を十分に 用できる。	導要領に準じた新 習得して適切に運	高等学校学習指導 出語彙を習得し	尊要領に準じた新 て運用できる。	高等学校学習指導要領に準じた新 出語彙を習得していない。		
評価項目2			高等学校学習指	導要領に準じた文 -分に習得して適切	高等学校学習指導 法や文構造を習行。	募要領に準じた3 导して運用できる	高等学校学習指導要領に準じた文 法や文構造を習得していない。		
評価項目3	1			導要領に準じた文 得して適切に運用	高等学校学習指導 構造を習得して達 。				
評価項目4			平易な英語で書 、その概要を十 情報を読み取る	かれた文章を読み -分に把握し必要な ことができる。	平易な英語で書た。 、その概要を把 読み取ることが [*]	屋し必要な情報を	・ 平易な英語で書かれた文章を読み 、その概要を把握できない。		
評価項目5	i		英語の発音・デ 十分に習得して 。	クセントの規則を 適切に運用できる	英語の発音・アクロアの		英語の発音・アクセントの規則を 習得していない。		
Assigne	d Depar	tment Ob	jectives		•		•		
Outline	ng Metho	(1) 国際(。 (2) 広く月 日標を達	用いられる資格試験 式するためには、ご	険に出題される英文 欠の自己学習が必要	を題材とすること(「である。	こより、実践的な	こ、特に「読む・聞く」技能を涵養する (英語運用能力の向上を目指す。 能とすること。		
Notice		(1) 小テス(2) 理由が	ストは語彙を増やしなき遅刻や欠課によ	単語、発音のみでな 文を復習し、復唱可 」、英作文力向上の よる小テストの未受	ための良い機会と 験は 0 点の扱いと	して、十分に活用			
Charact	orieties (評価の対	象としない欠席条	件(割合) $1/4$ 以上 σ)欠課				
	Learning	DI Class /	Division in Le ☑ Aided by Io		☑ Applicable to	o Remote Class	☐ Instructor Professionally Experienced		
Course	Plan	, .			,				
			Theme			Goals			
		1st	授業のガイダンス 授業の進め方・単 説明を行う。	語テスト・評価の方	法などについて				
			Unit 1. Travel			 「旅行」に関す	る語句・表現を習得する		
			Unit 2. Dining O	ut			る語句・表現を習得する		
	1st		Unit 3. Media				関する語句・表現を習得する		
	Quarter		Unit 4. Entertain	ment			る語句・表現を習得する		
		6th	Unit 5. Purchasir	ng		「買い物」に関	する語句・表現を習得する		
		7th	Unit 6. Clients			「取引先」に関	する語句・表現を習得する		
1st Semeste			中間試験 中間試験を実施す	る。					
r		9th	中間試験の返却と 中間試験の返却と	 解説 解説を行う。		特に不正解の箇	所を再学習し理解する。		
		10th	Unit 7. Recruitin	g		「採用・求人」	に関する語句・表現を習得する		
			Unit 8. Personne				る語句・表現を習得する		
	2nd Quarter		Unit 9. Advertisi				に関する語句・表現を習得する		
	2		Unit 10. Meeting				る語句・表現を習得する		
			Unit 11. Finance				る語句・表現を習得する		
1			Unit 12. Offices			業務連絡」に	関する語句・表現を習得する		
		16th	期末試験			İ			

Evaluation Method and Weight (%)									
	試験	小テスト	その他	Total					
Subtotal	70	30	0	100					
基礎的能力	70	30	0	100					
専門的能力	0	0	0	0					
分野横断的能力	0	0	0	0					

А	kashi Co	ollege	Y	/ear	2024		С	ourse Title	Advanced English III	
Course 1	Informat	tion						TTCTC		
Course Co		6503				Course Categor	ry	General ,	/ Compulsory	
Class Forn	nat	Lecture				Credits		School C	redit: 1	
Departme	nt		l and Con er Engine		Engineering	Student Grade		5th		
Term		First Ser		cring co	74136	Classes per We	ek	2		
Textbook		(No text	hook) Hai	ndouts	hased on the teach	er's experience	e in the subject will be shared.			
Teaching Instructor		<u>'</u>	T John C.			ier o experience			be shared	
Course (1 301111 C.							
1) Write c 2) Write d 3) Analyze 4) Critique 5) Use AI	omplete E lescriptive e and critic e your pee	inglish essa essays wit que profess ers' essays	thout usin sional wor and enco	g the ve ks of ar urage th	"I" or other perso erb "to be." t or films that deal nem to write better evelop your own w	with controvers			I."	
Rubric			Ideal L	ovol		Ctandard Lovel			Una contable Lovel	
						Standard Level Able to write co		Δ	Unacceptable Level	
Achievemo		'S	meanii	naful, ai	complete, nd descriptive t using "I."	meaningful, an essays with a r reduction in the	d desc oticea	riptive ble	Unable to write meaningful and descriptive essays without using "I."	
Achieveme E-Prime (r			Able to write complete, meaningful, and descriptive essays without using the "be" verb. Able to write complete, meaningful, are essays with a reduction in the verbs.					riptive ble	Unable to write meaningful and descriptive essays without using the "be" verb.	
Achievemo			Able to write an essay that clearly demonstrates your critical-thinking skills. Able to show a how to demon critical-thinkin					our/	Unable to demonstrate critical-thinking skills.	
Achievemo Peer critiq			their e	ssays th	our peers improve nrough eedback.	Able to give yo feedback on the	ur pee eir ess	rs some ays.	Unable to give your peers any feedback on their essays.	
Achievem Responsib		ΑI			in a responsible ally productive	how to use AI i	w an awareness of AI in a responsible unable to use AI responsibly facademic purposes.			
Assigned	d Depart	tment Ob	ojectives	S						
Teachin	g Metho	d								
Outline		Compos	ed English ition" cou velop essa	rses cor	nmonly taught at i	ourse that utilizes universities in th	s a coll e Unite	lection of ed States.	ideas from "Freshmen The main purpose of this course	
Style		as a pre grid, me	-writing to	ool will anguag	help students deve e, simile, personifi	lop their writing	skills.	Other wr	utlining, and using AI responsibly iting tools such as a five-senses e explored to bring creativity and	
		in the co	ontext of l assianmer	nomewo nts. In c	ork assignments th	at will later be u st write essavs w	sed in	class for s	will only be used for practice essays separate critiquing and reflective ort beyond the paperback	
Notice		essays.							in one semester. In addition to neir work and critique each other's	
CI				-	r more of classes v	vill not be eligibl	e for e	valuation.		
Characto ✓ Active		of Class /		n in Le led by I		☐ Applicable t	n Rem	ote Class	☐ Instructor Professionally	
- Active			Aiu	CG Dy I					Experienced	
Course I	Plan									
			Theme				Goals			
1st Description 1st Description 1st Semeste Ouarter				escriptive Writing (Prompt One) Part One he Five Senses Grid and the elimination of "I"			Read "English Prime as an Instructiona Writing Classes," retrievable from https://americanenglish.state.gov/files		ptions of a place in English. tive voice in descriptive writing. n Prompt One through an AI chat output. rime as an Instructional Tool in " retrievable from	
·		2nd	Descriptiv E-Prime	ve Writi "To he'	ng (Prompt One) F ' or "Not to be"?	Part Two	Write	•	active descriptions without the	
		3rd	Descriptiv	ve Writi writing	ng (Prompt One) F practice and analy	art Three	Praction	ce analyzi	ng and revising a descriptive essay ally generated by AI.	

	4th		/riting (Prompt One) P n, simile, and metaph		create	ersonification, simile, a more lively and colorf work: Polish up the AI ot One.	ful descriptions.			
	5th	Descriptive W Peer critiques	/riting (Prompt One) P s of revised descriptive	art Five writing		v your classmates' rev feedback for improven				
	6th	Descriptive W Final practice	rescriptive Writing (Prompt 1.5) Part Six inal practice writing and analysis for Prompt One has following class, through a simulation according to the following class, through a simulation according to the following class, through a simulation according to the following class are the following class.							
	7th	In Class, Gra	Apply all of your training and practice first six classes to the writing of a descriptive Essay (Prompt Two) Apply all of your training and practice first six classes to the writing of a descriptive essay with a new prompt and no AI su							
	8th	Critical analys Time to Kill"	sis of the 1996 Hollyw (Prompt Three)	ood film "A	to sha Think (or no	op critical thinking skill re your opinion about about how "A Time to t used) to promote an d to racial discriminatio	controversial topics. Kill" could be used awareness of issues			
	9th	(or teachable (Prompt Thre	Note-taking and discussions on lessons learned (or teachable) through the film "A Time to Kill" (Prompt Three) Recognizing symbolism in films as an educational rool							
	10th	Introduction English essay Outlining an	to critical thinking and rs (Prompt Three) analysis	analysis in		ize your thoughts and ersuasive manner.	analyses in a logical			
	11th	Writing an int (Prompt Thre	troduction to a critical ee)	analysis	Write an introduction that may capture the attention of the reader even if he or she does not agree with your opinion before reading.					
2nd Quarter	12th	Writing the b Three)	ody of a critical analys	is (Prompt	Organize facts and details in a logical order.					
	13th	Writing the co (Prompt Thre	onclusion of a critical a	analysis	Finish a critical analysis with a good summary and a convincing call to action.					
	14th	In class writing essays (Prom	ng and review of critical pt Three)	al analysis	Familiarize yourself with the format of the graded critical analysis essay, which will take place in the following class, through a simulation activity.					
	15th	In Class, Grad Four)	ded, Critical Analysis E	ssay (Prompt	last six	all of your training and c classes to the writing with a new prompt an	of a critical analysis			
	16th	No test								
Evaluation Metho	od and \	Weight (%)								
	Pre-writ	ing Activities	Total							
Subtotal	20		20	30		30	100			
English Composition	20		20 30 30 100							

	Akashi Co	ollege	Year	2024		Course Title	Advanced English IV			
Course	Informa	tion	<u>'</u>	-						
Course Co	ode	6504			Course Category	General /	Compulsory			
Class For	mat	Lecture			Credits	Academi	Credit: 2			
Departme	ent	Electrical	and Computer I	Engineering	Student Grade	5th				
Term		Second S		ourse	Classes per Wee	/eek 2				
Textbook				based on the teach	per's experience in	the subject w	ill he shared			
Teaching Instructor		HERBERT		based on the teach	е з ехрепенсе п	Title Subject W	iii be shareu.			
Course	Objectiv	es es								
2) Write 3) Write	research research	grant propo	sals in English. 1 proposals in Er	and conference pr	oposals.					
Rubric										
			Ideal Level		Standard Level		Unacceptable Level			
Achievem Writing A			Able to write a can capture the attention	an abstract that ne reader's	Able to show an the important co		Unable to show any awareness of the important components of a good abstract			
Achievem Writing G	nent 2 Grant Propo	osals		a complete and ant proposal in	Able to show an the important co	mponents of a	Unable to show any awareness of the important components of a good grant proposal			
Achievem Writing C		Proposals	Able to write a	a complete and nference proposal	Able to show an the important co	awareness of amponents of a	Unable to show any awareness			
Achievem Writing R	nent 4 Able to write a well-structured, clear, and concise research the imp				Able to show an the important co	awareness of amponents of a	Unable to show any awareness of the important components of			
Assigne	gned Department Objectives				Igood research p	d research paper a good research paper				
	ng Metho		jectives							
Outline	ig Metric	Advanced	learn how to wr	ite abstracts and r	esearch reports th	nat are worthy	pals for this class are to help of publication and presentation ojects in international contexts.			
Style		This cour as a pre-	se follows a prowriting tool will	and to write successful grant proposals in English to fund future research projects in international This course follows a process approach to writing whereby brainstorming, outlining, and using AI is as a pre-writing tool will help students develop their writing skills.						
		Students will not be graded on any AI generated or AI assisted repo								
Notice		Students requires	will not be grad students to write	led on anv AI gene	rated or AI assist	ed reports. Like	e Advanced English III, this course mes in one semester. And,			
	eristics	requires students	students to write should be willing	led on any AI gene e, critique, revise, g to share their wo	rated or AI assist	ed reports. Like	e Advanced English III, this course mes in one semester. And, K.			
Charact		requires students	students to write should be willing Division in Le	led on any AI gene e, critique, revise, g to share their wo earning	rated or AI assist and rewrite their ork and critique ea	ed reports. Like work several tii ich other's worl	mes in one semester. And, k.			
		requires students	students to write should be willing	led on any AI gene e, critique, revise, g to share their wo earning	rated or AI assist	ed reports. Like work several tii ich other's worl	e Advanced English III, this course mes in one semester. And, k. ☐ Instructor Professionally Experienced			
Charact Active	Learning	requires students	students to write should be willing Division in Le	led on any AI gene e, critique, revise, g to share their wo earning	rated or AI assist and rewrite their ork and critique ea	ed reports. Like work several tii ich other's worl	mes in one semester. And, K. Instructor Professionally			
Charact	Learning	requires students	students to write should be willing Division in Le	led on any AI gene e, critique, revise, g to share their wo earning	rated or AI assisted and rewrite their ork and critique ea	ed reports. Like work several tin ch other's work Remote Class	mes in one semester. And, K. Instructor Professionally			
Charact Active	Learning	requires students of Class /	students to write should be willing Division in Le	led on any AI gene e, critique, revise, g to share their wo earning CT	rated or AI assisted and rewrite their ork and critique ea	ed reports. Like work several til ich other's work Remote Class Goals	mes in one semester. And, k. □ Instructor Professionally Experienced			
Charact Active	Learning	requires students of Class /	students to write should be willing Division in Le Aided by I	led on any AI gene e, critique, revise, g to share their wo earning CT	rated or AI assisted and rewrite their ork and critique ea	ed reports. Like work several til ich other's work Remote Class Goals	mes in one semester. And, K. Instructor Professionally			
Charact Active	Learning	requires students of Class /	students to write should be willing Division in Le Aided by I	led on any AI gene e, critique, revise, g to share their wo earning CT	rated or AI assisted and rewrite their ork and critique early Applicable to	ed reports. Like work several til ch other's work Remote Class Goals Choose a reseal Vrite a clear an	Instructor Professionally Experienced The topic to write about. d concise abstract.			
Charact Active	Learning	requires students of Class /	students to write should be willing Division in Le Aided by In Theme Course Overview Brainstorming an	led on any AI gene e, critique, revise, g to share their wo earning CT	rated or AI assisted and rewrite their ork and critique early Applicable to	ed reports. Like work several tii ch other's worl Remote Class Goals Choose a reseau Vrite a clear an	Instructor Professionally Experienced The topic to write about. Indicate the concise abstract. Instructor Professionally Experienced The topic to write about. Instructor Professionally Experienced			
Charact Active	Plan 3rd	requires students of Class /	Division in Le Aided by I Theme Course Overview Brainstorming an	led on any AI gene e, critique, revise, g to share their wo earning CT	rated or AI assistand rewrite their ork and critique early Applicable to	ed reports. Like work several til ch other's work Remote Class Goals Choose a resear Write a clear an Write a clear an Critique your class	Instructor Professionally Experienced The topic to write about. d concise abstract.			
Charact Active	Plan	requires students of Class /	Division in Le Aided by I Theme Course Overview Brainstorming an Abstracts I Abstracts II	led on any AI gene e, critique, revise, g to share their wo earning CT	rated or AI assistand rewrite their ork and critique early Applicable to	ed reports. Like work several tinch other's work Remote Class Goals Choose a resear Write a clear an Write a clear an Critique your class Prepare a logical expenditures.	Instructor Professionally Experienced The topic to write about. In d concise abstract. In d concise abstract. In the topic to write about.			
Charact Active	Plan 3rd	requires students of Class / 1st	Division in Le Aided by I Theme Course Overview Brainstorming ar Abstracts I Abstracts II Grant Proposal I	led on any AI gene e, critique, revise, g to share their wo earning CT v nd Topic Selection	rated or AI assistand rewrite their ork and critique early Applicable to	ed reports. Like work several tinch other's work Remote Class Goals Choose a resear Write a clear an Write a clear an Critique your class Prepare a logica expenditures. Write about price	Instructor Professionally Experienced The topic to write about. Indicate the concise abstract. Indicate the concise abstract. In the concise abstract.			
Charact Active	Plan 3rd	requires students of Class / 1st (2nd / 3rd / 4th (5th (6th (Division in Le Aided by I Theme Course Overview Brainstorming an Abstracts I Abstracts II Grant Proposal I Grant Proposal I	led on any AI gene e, critique, revise, g to share their wo earning CT v nd Topic Selection I	rated or AI assistand rewrite their ork and critique early Applicable to	ed reports. Like work several tinch other's work Remote Class Goals Choose a resear Write a clear and Write a clear and Critique your class Prepare a logical expenditures. Write about price Write a rational	Instructor Professionally Experienced The topic to write about. Indicate abstract. In the topic to write about.			
Charact Active	Plan 3rd	requires students of Class / 1st	Theme Course Overview Brainstorming an Abstracts I Grant Proposal I Grant Proposal I Grant Proposal I Grant Proposal I	led on any AI gene e, critique, revise, g to share their wo earning CT v nd Topic Selection I II V	rated or AI assistand rewrite their ork and critique early applicable to	ed reports. Like work several tinch other's work several tinch other's work several tinch other's work several tinch other's work several seve	Instructor Professionally Experienced The topic to write about. Indicate a description of the topic to write about. In the topic to write about.			
Charact Active Course	Plan 3rd	requires students of Class / 1st (1) 2nd / 3rd / 4th (2) 5th (6th (7th (8th (4th (4th (4th (4th (4th (4th (4th (4	Students to write should be willing Division in Le	led on any AI gene e, critique, revise, g to share their wo earning CT V nd Topic Selection I II V /	rated or AI assistand rewrite their ork and critique early applicable to	ed reports. Like work several tinch other's work several tinch other's work several tinch other's work several tinch other's work several seve	Instructor Professionally Experienced The topic to write about. Indicate abstract. In the concise abstract. In the con			
Charact Active Course 2nd Semeste	Plan 3rd	requires students of Class / 1st (1) 2nd / 3rd / 4th (2) 5th (6th (7th (8th (9th (9th (9th (9th (9th (9th (9th (9	Students to write should be willing Division in Le	led on any AI gene e, critique, revise, g to share their wo earning CT V nd Topic Selection I II V V oosal I	rated or AI assistand rewrite their ork and critique early applicable to	ed reports. Like work several tinch other's work several s	Instructor Professionally Experienced The topic to write about. Indicate a decirate a			
Charact Active Course 2nd Semeste	Plan 3rd Quarter	requires students of Class / 1st (1) 2nd / 3rd / 4th (2) 5th (6th (7th (4) 8th (9th (4) 10th (4)	Students to write should be willing Division in Le	led on any AI gene e, critique, revise, g to share their wo earning CT V nd Topic Selection I II V V oosal I	rated or AI assistand rewrite their ork and critique early applicable to	ed reports. Like work several tinch other's work several tinch other's work several tinch other's work several tinch other's work several seve	Instructor Professionally Experienced The topic to write about. Instructor Professionally Experienced The topic to write about. Instructor Professionally Experienced The topic to write about. In the topic			
Charact Active Course 2nd Semeste	Plan 3rd	requires students of Class / 1st	Students to write should be willing Division in Le	led on any AI gene e, critique, revise, g to share their wo earning CT V nd Topic Selection I II V V oosal I cosal II	rated or AI assistand rewrite their ork and critique early applicable to	Remote Class Goals Choose a resear Write a clear an Write a clear an Critique your cla Expenditures. Write about price Write about price Write about a d Critique your cla Cr	Instructor Professionally Experienced The topic to write about. Instructor Professionally Experienced The topic to write about. Instructor Professionally Experienced The topic to write about. In the topic			
Charact Active Course 2nd Semeste	Plan 3rd Quarter	requires students of Class / 1st	Theme Course Overview Brainstorming an Abstracts I Grant Proposal I Grant	led on any AI gene e, critique, revise, g to share their wo earning CT V nd Topic Selection I II V V oosal I cosal II	rated or AI assistand rewrite their ork and critique early applicable to	Remote Class Goals Choose a resear Write a clear an Write about pric Write about pric Write about a d Critique your cla Soroposal. Write a conferent Write a conferent Write an introdu or your research Write an introdu or your research Write hypotheses Explain the rese well as the processor	Instructor Professionally Experienced Instructor Professionally Experienced The topic to write about. Instructor Professionally Experienced Instructor Professionally Experienced The topic to write about. In december abstract. In december abstract. In december abstract. In december abstract. In december abstract and a clear thesis statement abstract, and bio-statement. In december abstract abst			

	15th	Research Report V	/		Defend your report in 5 minutes or less, followed by Q/A.				
	16th	No test							
Evaluation M	1ethod and	l Weight (%)							
	Abstract	Grant Proposal	Conference Proposal	Research Report	Pre-writing Activities	Peer Critiques	Total		
Subtotal	10	30	10	30	10	10	100		
Writing about Research	10	30	10	30	10	10	100		

А	kashi Co	xashi College Year 2024						Titlo	Introduction to Japanese Language and Communication		
Course 1	Informat	ion	•				•				
Course Co		6505				Course Categor	У	General /	Elective		
Class Forn	nat	Lecture				Credits		Academic	: Credit: 2		
Departme	nt	Electrical	and r Fn	d Computer En	gineering rse	Student Grade		5th			
Term		First Sem				Classes per We	ek	2			
Textbook	and/or			… を配布する。		O. a.	<u></u>				
Teaching I Instructor		TANGE A									
			tSuk	KU							
1) 実用的 2) 報告・	論文の目的	ves (手紙・メール) を、相手や目的に応じた体裁や語句を用いて作成す。 I的に応じて、印刷物、インターネットから適切な情報を収集するこ 整理した情報を基にして、主張が効果的に伝わるように論理の構成						とができる。			
Rubric											
			\rightarrow	想的な到達レヘ		標準的な到達レ/	ベルのE]安	未到達レベルの目安		
評価項目1		場に応じた的確な表現を用いて手 紙・メールを作成することができ る。							手紙・メールの表現に難がある。		
評価項目2		報告書・論文の材料選択が適切で 、文書中に的確に示すことができ る。							報告書・論文の材料に不足がある。		
評価項目3			報告書・論文の構成・展開が適切 報告書・論文の						報告書・論文の構成・展開に難が ある。		
Assigned	d Depart	ment Ob	かつ、効果的である。						1 - ~ ~		
	g Metho										
Outline	<u>, </u>	エントリー 注意点等を	-シ- を概:	ート・履歴書・ 説する。各自、 しい表現力を獲	レポート・論文なる 材料を事前に準備し 得することを目的 る	ど、目的の異なるな ン、制限時間内で対	様々な? 適切に	文章(文書) 書く練習を	表現について、それぞれの特徴や 行う。明らかになった問題点を克服		
Style			表を基	基本とする。各			たうえ	 で、課題をi	課す。随時、日本語表現に関する小		
Notice		本科目は、 、90時間 評価の対象	授 授 に相 &とし	業で保証する学 当する学習内容 しない欠席条件	習時間と、予習・役である。 (割合) 1/3以上の	复習及び課題レポーク課	- ト作	成に必要と	はる標準的な自己学習時間の総計が		
Characte	eristics o			ision in Lea		C C C C C C C C C C C C C C C C C C C					
□ Active				Aided by IC		☑ Applicable to	Rem	ote Class	☐ Instructor Professionally Experienced		
Course I	Dlan										
Course	lali	-	Ther	me			Goals				
		1		エンテーション				₩ + , +			
		1st	1				わかりやすい文章について理解し、実践することができる。				
		2nd	1	の書き方 わかりやすい文 説明文を書く	章(2)		わかり きる。	やすい文章	について理解し、実践することがで		
		3rd	1	書・エントリー データ部分の書 自己PRの書き方	き方		各人の 適切な	進路希望に 形式で作成	沿った履歴書・エントリーシートを することができる。		
	1st	4th	志望 1	理由書・研究計 志望理由書 研究計画書			各人の) 計画	希望進路に を適切な形	応じた志望理由と研究(キャリア 式で作成することができる。		
	Quarter	5th	放語	表現 尊敬語と謙譲語 場面に応じた敬	語表現		敬語表	現を理解し	、適切に使用することができる。		
1st Semeste r		6th	手紙 1	・メール 手紙の書き方 メールの書き方			状況に	応じた手紙	・メールを作成することができる。		
	2 メールの書き方 小論文1 7th 1 小論文の注意点 2 材料収集・構成							材料を用い とができる	て、論理的・効果的な小論文を作成。		
	2 材料収集・構成							材料を用い とができる	て、論理的・効果的な小論文を作成。		
2 材料収集・構成						自身の できる		書を見直し、適切に改善することが			
2nd アカデミックライティング Ouarter 10th 1 レポート・論文にふさわしい表現						アカデミックスキルを理解し、自身の文章に反映する ことができる。					
	2110 10th 1 レポート・論文にふさわしい実現						要約の	方法を理解	し、適切に要約することができる。		

	12th	論文1 1 論文の構成 2 表記上の注意点			論文作成上の注意点を	を理解し、実践することができる
	13th	論文 2 1 引用の注意点 2 文献表			注記・引用・文献表	を適切に書くことができる。
	14th	報告書・レポート 1 企画書・提案書 2 プレゼンテーション	ン		テーマ設定・材料選排作成することができる	R・表現技術に優れた各種文書を る。
	15th	課題と整理 1 問題点と整理 2 まとめ			自身の研究計画を見る。	直し、適切に改善することができ
	16th	期末試験				
Evaluation Me	thod an	d Weight (%)				
		試験	課題	7	その他	Total
Subtotal		50	50	0		100
基礎的能力		50	50	0		100
専門的能力		0	0	0		0
分野横断的能力		0	0	0		0

Δ	kashi Co	llege	Year	202) <u> </u>			ourse	Sports Science I	
	Informat		ı cai	202	.T			Title	Sports Science 1	
Course Co		6510				Course Catego	rv	General /	Flective	
Class Forr		Skill				Credits	. ,	School Cr		
Departme	ent		and Computer Engineering C		ering	Student Grade		5th		
Term		First Sem	ester			Classes per We	Week 2			
Textbook Teaching										
Instructor			akayuki,MAEDA	\ Tadar	nori					
	<u>Objectiv</u>									
 Can tal 	ke action t	ses to impro o conduct sp action to do	orts safely. Als	wn hea so, reco	olth and phys ognizes the si	ical strength. Alignificance of co	so, hav Ilaborat	re some le ting and c	vel of self-discipline. coperating with the team and can	
Rubric										
			Ideal Level			Standard Level			Unacceptable Level	
Achievement 1			Actively parti improve their physical strer level of self-d	health gth. H	and ave a high	Participate in c their health an strength. Have self-discipline.	d physi	cal ·	Do not participate in classes. Do not strive to improve their health and physical strength. Have a poor level of self-discipline.	
Achievem	ent 2		Actively partices are very com a great influe	es and go	games, and e. Also have	Can actively pa various sport p games. And als for them.	ractices	s and	Do not participate in various sport practices and games.	
Achievem	ent 3	a great influence on games, etc. for them. Understand the role of a leader well, and can help increase take on the role of th						lay or eader.	Do not understand the role of a leader. Also, never play that role.	
Assigne	d Depar	tment Obj	ectives							
Teachin	g Metho	d								
Outline		the habit Students content. S	of playing spor will split into gi Students can ch	ts on a oups a loose fr	daily basis. nd leaders w om: Softball	This class requing take the lead soccer, futsal,	res an a to plar tennis.	active and n, review, basketba	of sports so that they can build proactive attitude to participate. and implement the course II, volleyball, badminton, table o, based on requests from	
Style		the basic	skills they lear while collabor	ned in p ating a	previous year nd cooperati	rs. They are also ng with your tea	o encou am with	raged to e your lead	e rules, how to play games, and experience the fun of enhancing der in the center. Students should support their effort.	
Notice		Wear t grade. Do not These are Use of Tarding but their in that class absence.	raining wear ar wear accessor e also eligible for smartphones of ess will be excu attendance will discovered that will be marked	ies, wa or grade or any o ised for be ma a stud I as abs	etic shoes. If tches, or any e deduction. ther unrelate the first 20 rked as abse ent left class sent, and the	students fail to other unneces ed activities dur minutes. Stude nt. early without be ir grade for pre	wear the sary ite ing class nts can being exvious cl	hem, poin ms, as we ss are subj participat ccused (dit asses will	ts will be deducted from their as chewing gum during class. lect to point deductions. e in the class after 20 minutes, ching class), their attendance for suffer a deduction equal to an	
Cl		•				will not be elig	ible for	evaluation	1.	
Cnaract	eristics (or Class /	Division in L	earnir	<u>1g</u>	Ι			☐ Instructor Professionally	
☑ Active	Learning		☐ Aided by I	ICT		☑ Applicable t	o Remo	ote Class	Experienced	
Course	Dlan									
Course	lan	Т	heme				Goals			
		1st v	Guidance Softball, soccer, olleyball, badm	inton, easible	table tennis, by teachers	other sports while ensuring	Unders	. Split into	purposes and objectives of this teams in each sport and select a	
Softball, soccer, futsal, ten volleyball, badminton, tabl as determined feasible by safety, based on requests				table tennis, by teachers	other sports while ensuring	Can do reflect	warm-up on the cla	and practice, play games, and ass, led by a leader.		
1st Semeste r 1st Quarter 3rd			oftball, soccer, olleyball, badm is determined f afety, based or	inton, easible	table tennis, by teachers	other sports while ensuring	Can do reflect	warm-up on the cla	and practice, play games, and ass, led by a leader.	
		4th va		inton, easible	table tennis, by teachers	other sports while ensuring	Can do	warm-up on the cla	and practice, play games, and sss, led by a leader.	
safety, based on requests from students. Softball, soccer, futsal, tennis, basketball, volleyball, badminton, table tennis, other sports as determined feasible by teachers while ensuring safety, based on requests from students.						Can do warm-up and practice, play games, and				

		6th	Softball, soccer, futsal volleyball, badminton, as determined feasible safety, based on requi	table tennis, other sports by teachers while ensuring	Can do warm-up and preflect on the class, led	ractice, play games, and by a leader.
		7th	Softball, soccer, futsal volleyball, badminton, as determined feasible safety, based on requi	table tennis, other sports by teachers while ensuring	Can do warm-up and preflect on the class, led	ractice, play games, and by a leader.
		8th	Softball, soccer, futsal volleyball, badminton, as determined feasible safety, based on requ	table tennis, other sports by teachers while ensuring	Can do warm-up and preflect on the class, led	ractice, play games, and by a leader.
		9th	Softball, soccer, futsal volleyball, badminton, as determined feasible safety, based on requ	table tennis, other sports by teachers while ensuring	Split into teams in each	sport and select a leader.
		10th	Softball, soccer, futsal volleyball, badminton, as determined feasible safety, based on requ	table tennis, other sports by teachers while ensuring	Can do warm-up and preflect on the class, led	ractice, play games, and by a leader.
		11th		table tennis, other sports by teachers while ensuring	Can do warm-up and preflect on the class, led	ractice, play games, and by a leader.
	?nd Quarter	12th	Softball, soccer, futsal volleyball, badminton, as determined feasible safety, based on requ	table tennis, other sports by teachers while ensuring		ractice, play games, and by a leader.
		13th	Softball, soccer, futsal volleyball, badminton, as determined feasible safety, based on requ	table tennis, other sports by teachers while ensuring		ractice, play games, and by a leader.
		14th	Softball, soccer, futsal volleyball, badminton, as determined feasible safety, based on requ	table tennis, other sports by teachers while ensuring	Can do warm-up and preflect on the class, led	ractice, play games, and by a leader.
		15th	Softball, soccer, futsal volleyball, badminton, as determined feasible safety, based on requ	table tennis, other sports by teachers while ensuring	Can do warm-up and preflect on the class, led	ractice, play games, and by a leader.
		16th	No final exam			
Evaluatio	n Meth	od an	nd Weight (%)			
			Approach to a class	Practical skill	Leadership	Total
Subtotal			75		10	100
Basic Profic	iency		75	0	0	75
Specialized	Proficien	су	0	0	0	0
Cross Area	Proficien	су	0	15	10	25

Akashi College Course Information		llege	Year		2024			Course G	Sports Science II
Course	Informat	ion						TICIC	
Course Co		6511				Course Categor	γ	General /	Elective
Class Forr	mat	Skill				Credits		School Cre	edit: 1
Departme	ent		and Computer Engineering (Student Grade		5th	
Term		Second Se	emester			Classes per We	ek	2	
Textbook Teaching									
Instructor		GOTOH T	akayuki,ISHID	AΝ	1asami				
Course	Objectiv	es							
 Participate in classes to improve students' own health and physical stre Can take action to conduct sports safely. Also, recognizes the significar take the necessary action to do so. 							so, ha llabor	ave some lev rating and co	vel of self-discipline. coperating with the team and can
Rubric			Ideal Level			Standard Level			Unacceptable Level
Achievem	ent 1		Actively part improve thei	ir h ngt	h. Have a high	Participate in cl their health and strength. Have self-discipline.	d phy	sical [']	Do not participate in classes. Do not strive to improve their health and physical strength. Have a poor level of self-
Achievem	ent 2		Actively part sport practic are very com	icip es a	ate in various and games, and	Can actively pa various sport p games. And als	ractic	es and	Do not participate in various sport practices and games.
Achievem	ent 3		1 -	the	role of a leader	Understand and take on the role	d can	play or leader.	Do not understand the role of a leader. Also, never play that role.
Assigne	d Depart	ment Obj	ectives						
Teachin	g Metho	d							
Outline		the habit Students content. S	of playing spo will split into g Students can c	rts grou choo	on a daily basis. ⁻ ups and leaders w ose from: Softball	This class requir ill take the lead , soccer, futsal,	es ar to pl	n active and pand pand pand pand pand pand pand	of sports so that they can build proactive attitude to participate. and implement the course I, volleyball, badminton, table , based on requests from
Style		the basic teamwork	skills they lear while collabo	rneo rati	d in previous year ng and cooperati	s. They are also ng with your tea	enco am w	ouraged to e ith your lead	rules, how to play games, and xperience the fun of enhancing er in the center. Students should support their effort.
Notice		Wear trigrade. Do not These are Use of Tarding but their a that class absence.	wear accessory also eligible for also eligible f	ries or c or a use Il be	athletic shoes. If s, watches, or any grade deduction. any other unrelated for the first 20 e marked as absestudent left class s absent, and the	students fail to other unnecessed activities duri minutes. Studer nt. early without b ir grade for prev	wear sary i ing cl nts ca eing vious	them, point tems, as we ass are subjan participate excused (dit classes will	s will be deducted from their Il as chewing gum during class. ect to point deductions. e in the class after 20 minutes, ching class), their attendance for suffer a deduction equal to an
Cls = ::= =t		-			or more of classes	will not be eligi	ые то	or evaluation	•
Charact	eristics (or Class / I	Division in L		_				☐ Instructor Professionally
☑ Active	Learning		☐ Aided by	IC	Γ	☑ Applicable to a positive to a positiv	o Ren	note Class	Experienced
Course	Plan								
		Т	heme				Goal	S	
		1st v	olleyball, badr s determined	min fea	itsal, tennis, bask ton, table tennis, sible by teachers equests from stud	other sports while ensuring		se. Split into	ourposes and objectives of this teams in each sport and select a
	Softball, soccer, futsal, tennis, basketball, volleyball, badminton, table tennis, other as determined feasible by teachers while a safety, based on requests from students.						Can refle	do warm-up ct on the cla	and practice, play games, and ss, led by a leader.
2nd Semeste Remeste Quarter Softball, soccer, futsal, tennis, baske volleyball, badminton, table tennis, cas determined feasible by teachers vafety, based on requests from students.					ton, table tennis, sible by teachers	other sports while ensuring	Can refle	do warm-up ct on the cla	and practice, play games, and ss, led by a leader.
		4th va	olleyball, badr s determined	min fea	itsal, tennis, bask ton, table tennis, sible by teachers equests from stud	other sports while ensuring	Can refle	do warm-up ct on the cla	and practice, play games, and ss, led by a leader.
	safety, based on requests from students. Softball, soccer, futsal, tennis, basketball, volleyball, badminton, table tennis, other sports as determined feasible by teachers while ensuring safety, based on requests from students.						Can do warm-up and practice, play games, and reflect on the class, led by a leader.		

		6th	Softball, soccer, futsa volleyball, badminton as determined feasibl safety, based on requ	, table tennis, other sports e by teachers while ensurin	Can do warm-up and preflect on the class, led	ractice, play games, and by a leader.
		7th	Softball, soccer, futsa volleyball, badminton as determined feasibl safety, based on requ	, table tennis, other sports e by teachers while ensurin	Can do warm-up and preflect on the class, led	ractice, play games, and by a leader.
		8th	Softball, soccer, futsa volleyball, badminton as determined feasibl safety, based on requ	, table tennis, other sports e by teachers while ensurin	Can do warm-up and p reflect on the class, led	ractice, play games, and by a leader.
		9th	Softball, soccer, futsa volleyball, badminton as determined feasibl safety, based on requ	, table tennis, other sports e by teachers while ensurin	Split into teams in each	sport and select a leader.
		10th	Softball, soccer, futsa volleyball, badminton as determined feasibl safety, based on requ	, table tennis, other sports e by teachers while ensurin	Can do warm-up and preflect on the class, led	ractice, play games, and by a leader.
		11th	Softball, soccer, futsa volleyball, badminton as determined feasibl safety, based on requ	, table tennis, other sports e by teachers while ensurin	Can do warm-up and preflect on the class, led	ractice, play games, and by a leader.
	4th Quarter	12th	Softball, soccer, futsa volleyball, badminton as determined feasibl safety, based on requ	, table tennis, other sports e by teachers while ensurin	Can do warm-up and preflect on the class, led	ractice, play games, and by a leader.
		13th	Softball, soccer, futsa volleyball, badminton as determined feasibl safety, based on requ	, table tennis, other sports e bv teachers while ensurin	Can do warm-up and preflect on the class, led	ractice, play games, and by a leader.
		14th	Softball, soccer, futsa volleyball, badminton as determined feasibl safety, based on requ	, table tennis, other sports e by teachers while ensurin	Can do warm-up and preflect on the class, led	ractice, play games, and by a leader.
		15th	Softball, soccer, futsa volleyball, badminton as determined feasibl safety, based on requ	, table tennis, other sports e by teachers while ensurin		ractice, play games, and by a leader.
		16th	No final exam			
Evaluation	on Meth	od an	nd Weight (%)		•	
Lvalaati	J. 7 1 CC1		Approach to a class	Practical skill	Leadership	Total
Subtotal			75	15	10	100
Basic Profi	ciency		75	0	0	75
Specialized			0	0	0	0
Cross Area		-	0	15	10	25
		- '		•		-

А	kashi Co	llege		Year	2024			urse ïtle	TOEICI
Course :	Informat	tion							
Course Co	ode	6512				Course Categor	y C	General /	Elective
Class Forr	mat	その他				Credits	9	School Cre	edit: 1
Departme	ent	Electrical Compute	and C r Engi	Computer En ineering Cou	ngineering urse	Student Grade	5	ōth	
Term		Year-rour	nd			Classes per We	ek 1	L	
Textbook Teaching	Matérials	None							
Instructor		INOUE H	idetos	shi					
	ourse Objectives The student will foster cross-cultural understanding and cross-cultural adapta nowledge of English and the English-speaking cultural background. The student								
1) The stu knowledge what show limited rai	ws that the	foster cross- h and the E e students E	-cultui nglish inglish	ral understa n-speaking c n knowledge	anding and cross-outural backgrounger fulfills the needs	cultural adaptabi d. The student s of everyday life	lity by to should ac and allo	ackling ex cquire 43 ows busin	kam questions that require 0 or more points in the test, ess communication within a
Rubric									
			Idea	al Level		Standard Level			Unacceptable Level
and adaptability			cult cros tack requ and	tural unders ss-cultural a kling exam o	s fostered cross- tanding and idaptability by questions that dge of English I-speaking ound.	The student has cross-cultural u and cross-cultu by tackling exain require knowled and the English cultural backgrouss.	indersta ral adap m quest dge of E i-speakir	nding stability ions that nglish	The student has not fostered cross-cultural understanding and cross-cultural adaptability by tackling exam questions that require knowledge of English and the English-speaking cultural background.
2) English	knowledg	e	Eng the allo	lish knowled needs of ev	ave acquired dge that fulfills veryday life and s communication l range.	The students hat some English king the fulfills the need and allows busing communication range.	nowledg s of eve ness	je that ryday life	The students have not acquired English knowledge that fulfills the needs of everyday life and allows business communication within a limited range.
Assigne	d Depart	tment Ob	jectiv	ves					
Teachin	g Metho	d							
Outline		KOSEN (I entered k of self-lea	nigher (OSEN arning	r education in the second of t	institution). A skill cquire these skills omously learning,	required to live at an early stage and not "study"	through e. In this as they	n the 21st s course, have lea	oblem is a skill necessary at t century. The students that the students will learn methods rned at junior high school. Also, olem discovery and resolution.
Style		The credi	ts are	e obtained a	ccording to tests r	esults, no classe	es		
Notice		period sti period wi TOEIC (T Public Ins Through	pulate II not est of stitution this te	ed by the st be accepted f English for on (Education est, the stud	udents' affairs offi d. The indicator of International Con onal Testing Servio	ce. Applications English communmunication), a ce), which has the prove his or her	without nication test dev he larges English	the test capability eloped by st scale a	apply for the credits during the scores or after the application y will be measured utilizing the US Test and Development and know-how in the world. e skills, and motivation to learn
Charact	eristics o	of Class /	Divis	sion in Lea	arning				
☐ Active	Learning			Aided by IC	Т	☐ Applicable to	o Remot	te Class	☐ Instructor Professionally Experienced
			•						
Course	Plan								
			Theme	е			Goals		
		1st							
		2nd							
		3rd							
	1st	4th							
	Quarter	5th							
		6th							
1st		7th	نام سما	d towns From					
Semeste		8th 1	NO IIII	d-term Exar	11				
r		10th							
		11th							
	2nd	12th							
	Quarter	13th							
		14th							
		15th							
	<u></u>	16th	No end	d-term Exar	m				
		1st		· 					
2nd	3rd	2nd							
Semeste r	Quarter	3rd							
4th									

		T+b						
		5th						
		6th						
		7th						
		8th	No mid-term Exa	m				
		9th						
		10th						
		11th						
	4th	12th						
	Quarte							
		14th						
		15th						
		16th	No end-term Exa	m				
Evaluat	ion Me	thod and	Weight (%)			•		
		Examination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total
Subtotal		100	0	0	0	0	0	100
Basic Proficienc	cy	100	0	0	0	0	0	100
Specialize Proficienc	ed Cy	0	0	0	0	0	0	0
Cross Are Proficienc		0	0	0	0	0	0	0

А	kashi Co	llege		Year	2024			urse tle	TOEICI	
Course 1	Informat	tion								
Course Co	ode	6513				Course Categor	y G	eneral /	Elective	
Class Forn	mat	その他				Credits	S	chool Cre	edit: 2	
Departme	ent	Electrical Compute	and C r Engi	Computer En ineering Cou	ngineering urse	Student Grade		th		
Term		Year-rour	nd			Classes per We	ek 2			
Textbook Teaching	Materials	None								
Instructor		INOUE H	idetos	shi						
	Objectiv									
1) The stu knowledge what show limited rai	ws that the	foster cross- h and the E e students E	-cultui nglish inglish	ral understa n-speaking c n knowledge	anding and cross-outural backgrounger fulfills the needs	cultural adaptabi d. The student s of everyday life	lity by ta should ac and allov	ickling ex quire 50 ws busin	kam questions that require 0 or more points in the test, ess communication within a	
Rubric										
			Idea	al Level		Standard Level			Unacceptable Level	
1) cross-c and adapt		derstanding	cult cros tack requand	tural unders ss-cultural a kling exam o	s fostered cross- tanding and idaptability by questions that dge of English i-speaking ound.	cross-cultural understanding and cross-cultural adaptability by tackling exam questions that require knowledge of English and the English-speaking			The student has not fostered cross-cultural understanding and cross-cultural adaptability by tackling exam questions that require knowledge of English and the English-speaking cultural background.	
2) English	knowledg	e	Eng the allo	lish knowled needs of ev	ave acquired dge that fulfills veryday life and s communication I range.	The students has some English king fulfills the need and allows busicommunication range.	nowledge s of ever iness	e that yday life	The students have not acquired English knowledge that fulfills the needs of everyday life and allows business communication within a limited range.	
Assigne	d Depart	artment Objectives								
Teachin	g Metho	d								
Outline		The ability to establish a problem and find the appropriate solution to this problem is a skill necessary at KOSEN (higher education institution). A skill required to live through the 21st century. The students that entered KOSEN need to acquire these skills at an early stage. In this course, the students will learn methods of self-learning and autonomously learning, and not "study" as they have learned at junior high school. Also, while cooperating with colleagues, the students will learn the process of problem discovery and resolution.								
Style		The credi	ts are	e obtained a	ccording to tests r	esults, no classe	es			
Notice		period sti period wi TOEIC (T Public Ins Through	pulate II not est of stitution this te	ed by the st be accepted f English for on (Education est, the stud	udents' affairs offi d. The indicator of International Con onal Testing Servio	ce. Applications English communmunication), a ce), which has the prove his or her	without nication test deve he larges English	the test capability eloped by st scale a	apply for the credits during the scores or after the application y will be measured utilizing the US Test and Development and know-how in the world. e skills, and motivation to learn	
Charact	eristics o	of Class /	Divis	sion in Lea	arning					
☐ Active	Learning			Aided by IC	Т	☐ Applicable to	o Remote	e Class	☐ Instructor Professionally Experienced	
									Experienced	
Course I	Plan									
Course	1 1011	-	Theme	e			Goals			
		1st								
		2nd								
		3rd								
	1st	4th								
	Quarter	5th								
		6th								
		7th								
1st Semeste		1	No mi	d-term Exar	n					
r		9th								
		10th								
		11th								
	2nd Quarter	12th 13th								
	2	14th								
		15th								
			Vo en	d-term Exar	 n					
16th No end-term Exam										
2nd	3rd	2nd								
Semeste	Quarter	3rd								
		4th								

		T+b						
		5th						
		6th						
		7th						
		8th	No mid-term Exa	m				
		9th						
		10th						
		11th						
	4th	12th						
	Quarte							
		14th						
		15th						
		16th	No end-term Exa	m				
Evaluat	ion Me	thod and	Weight (%)			•		
		Examination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total
Subtotal		100	0	0	0	0	0	100
Basic Proficienc	cy	100	0	0	0	0	0	100
Specialize Proficienc	ed Cy	0	0	0	0	0	0	0
Cross Are Proficienc		0	0	0	0	0	0	0

А	kashi Co	llege		Year	2024			urse itle	TOEICII
Course :	Informat	tion							
Course Co	ode	6514				Course Categor	y G	General /	Elective
Class Forr	mat	その他				Credits	S	School Cre	edit: 3
Departme	ent	Electrical Compute	and (r Engi	Computer En ineering Cou	ngineering urse	Student Grade		ith	
Term		Year-rour	nd			Classes per We	ek 3	3	
Textbook Teaching	Materials	None							
Instructor		INOUE H	idetos	shi					
	Objectiv								
1) The stu knowledge what show limited rai	ws that the	foster cross- h and the E e students E	-cultu nglish inglish	ıral understa n-speaking c h knowledge	anding and cross-outural backgrounger fulfills the needs	cultural adaptabi d. The student s of everyday life	ility by ta should ac and allo	ackling ex cquire 65 ws busin	kam questions that require 0 or more points in the test, ess communication within a
Rubric									
			Ide	al Level		Standard Level			Unacceptable Level
1) cross-c and adapt		derstanding	cult cros tack req and	tural unders ss-cultural a kling exam (ndaptability by questions that dge of English n-speaking	cross-cultural understanding and cross-cultural adaptability by tackling exam questions that require knowledge of English and the English-speaking			The student has not fostered cross-cultural understanding and cross-cultural adaptability by tackling exam questions that require knowledge of English and the English-speaking cultural background.
2) English	knowledg	e	Eng the allo	glish knowled needs of ev	ave acquired dge that fulfills veryday life and s communication I range.	The students has some English king fulfills the need and allows busicommunication range.	nowledg s of eve iness	e that ryday life	The students have not acquired English knowledge that fulfills the needs of everyday life and allows business communication within a limited range.
Assigne	d Depart	tment Ob	ves						
Teachin	g Metho	d							
Outline		The ability to establish a problem and find the appropriate solution to this problem is a skill necessary at KOSEN (higher education institution). A skill required to live through the 21st century. The students that entered KOSEN need to acquire these skills at an early stage. In this course, the students will learn methods of self-learning and autonomously learning, and not "study" as they have learned at junior high school. Also, while cooperating with colleagues, the students will learn the process of problem discovery and resolution.							
Style		The credi	ts are	e obtained a	ccording to tests r	esults, no classe	es		
Notice		period sti period wi TOEIC (T Public Ins Through	pulate II not est of stitution	ed by the st be accepted f English for on (Education est, the stud	udents' affairs offi d. The indicator of International Con onal Testing Servio	ce. Applications English communmunication), a ce), which has the prove his or her	without inication test dev he larges English	the test capability eloped by st scale a	apply for the credits during the scores or after the application y will be measured utilizing y the US Test and Development and know-how in the world. e skills, and motivation to learn
Charact	eristics o	of Class /	Divis	sion in Lea	arning				
☐ Active	Learning			Aided by IC	Т	☐ Applicable to	o Remot	e Class	☐ Instructor Professionally Experienced
									Experienced
Course	Plan								
		-	Them	e			Goals		
		1st							
		2nd							
		3rd							
	1st	4th							
	Quarter	5th							
		6th							
1 at		7th							
1st Semeste		1	No mi	id-term Exar	m				
r		9th							
		10th							
		11th 12th							
	2nd Quarter	13th							
		14th							
		15th							
			ıd-term Exar	m					
16th No end-term			. Jann Engl						
2nd	3rd	2nd							
Semeste r	Quarter	3rd							
		4th							

		T+b						
		5th						
		6th						
		7th						
		8th	No mid-term Exa	m				
		9th						
		10th						
		11th						
	4th	12th						
	Quarte							
		14th						
		15th						
		16th	No end-term Exa	m				
Evaluat	ion Me	thod and	Weight (%)			•		
		Examination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total
Subtotal		100	0	0	0	0	0	100
Basic Proficienc	cy	100	0	0	0	0	0	100
Specialize Proficienc	ed Cy	0	0	0	0	0	0	0
Cross Are Proficienc		0	0	0	0	0	0	0

А	kashi Co	ollege	Ye	ar	2024		_	ourse Title	Overseas Training III	
Course	Informa	tion								
Course Co	ode	6515				Course Categor	у	General	/ Elective	
Class Forr	mat	Practical t	raining			Credits		School C	redit: 1	
Departme	ent	Electrical Computer			ngineering urse	Student Grade		5th		
Term		Year-roun	ıd			Classes per We	ek	1		
Textbook Teaching		なし								
Instructor		All faculty	of the de	partme	ent					
(1)海外に (2)異文化	Objectiv おける研修 の中での研 関わる人々	への参加を通 修に参加する	して、教養 ことで、広 田いてコミ	をより い視野 ューケ	高めるための取り組 を持つことができる ーションができる。]みができる。 3。				
Rubric	12/12/07/		110.677	<u> </u>	232% CC 80					
Kubiic			理相的力	到達し	 ベルの目安	標準的な到達レ/	×II.のE	 3安	未到達レベルの目安	
評価項目1			海外にお	ける研(をよりi	多人の参加を通じ 高めるための取り	海外における研修で、教養をより記組みができる。	多への 参	参加を通じ	海外における研修への参加を通じて、教養をより高めるための取り組みができない。	
評価項目2					研修に参加するこ を持つことがよく	異文化の中での配とで、広い視野を る。	肝修に参 を持つこ	参加するこ ことができ	異文化の中での研修に参加することで、広い視野を持つことができない。	
評価項目3			現地で関われて いてコミ きる。	わる人 [,] ユニケ-	々と英語などを用 ーションがよくで	現地で関わる人々いてコミュニケー。	マと英語 -ション	語などを用 ンができる	現地で関わる人々と英語などを用いてコミュニケーションができない。	
Assigne	d Depar	tment Obj	ectives							
Teachin	Teaching Method									
Outline		海外におけ 目のねらい の研修と、	Nである。研 事前指導(*	肝修期間 マナー	引は、夏季休業期間に	などとしてもよい。 ベ)、事後の報告:	。研修Ⅰ	∃数は、5	ション能力を身に付けることが本科 日間以上とする。本科目は、海外で 布する報告書の作成などの自己学習時	
Style					地実習,報告会					
Notice		学級担任又ヨンをとる	は指導教員 ように努め としないな	ると緊密 ななとと なな条件	名に連絡を取り合う。 さに、服装・言葉 (割合) 条件なし	こと。研修期間中(遣い等、研修生と)	は、積机 して相応	亟的に現地 志しい態度	の人たちと関わり、コミュニケーシ で取り組むこと。	
Charact	oristics (of Class / I								
☑ Active		or class / I	☑ Aided		-	☑ Applicable to	o Remo	ote Class	☐ Instructor Professionally Experienced	
Course	Plan									
		Т	heme				Goals			
		1st								
		2nd								
		3rd								
	1st	4th								
	Quarter	5th								
		6th								
1st		7th								
Semeste		8th								
r		9th								
		10th 11th								
		12th								
	2nd Quarter	13th								
	Quanto.	14th								
		15th								
				布けず						
		1st	- 1 1 1							
		2nd								
		3rd								
	3rd	4th								
2nd	Quarter	5th								
Semeste r		6th								
		7th								
		8th								
	4th	9th								
	Quarter	10th								

		11th			
		12th			
		13th			
		14th			
		15th			
		16th	期末試験実施せず		
Evaluati	on Meth	od and W	/eight (%)		
			報告書	発表	Total
Subtotal			50	50	100
分野横断的]能力		50	50	100

Д	kashi Co	ollege	Year	2024		Course Title	Computer Simulation		
Course	Informa	tion	•			•			
Course Co	ode	6517			Course Category	/ Speciali	zed / Compulsory		
Class For	mat	Lecture			Credits	School (Credit: 1		
Departme	ent	Computer E	nd Computer E Engineering Co	ingineering urse	Student Grade	5th			
Term		First Semes	ter		Classes per Wee	ek 2			
Textbook Teaching	Materials			「数値計算法第2版新	f装版」森北出版 ————————————————————————————————————				
Instructor		OHMUKAI N	1asato						
1. 数値計	Objectiv 算上発生す な数学の問	る主要な誤差に	ついて, その原 を求める手法 (更因を説明できる. (アルゴリズム) を訪	説明できる.				
Rubric									
			理想的な到達レ	ベルの目安	標準的な到達レベ		未到達レベルの目安		
アルゴリス	ベム	;	講義で扱ったすべての問題に対する数値解法(アルゴリズム)や名称を正確に説明できる 講義で扱った問題を一定数説明できる は講義で示す)			() の概要や名称	「 解法(アルゴリズム)の概要や名		
Assigne	d Depar	<u>tment Obje</u>	ctives						
Teachin	ig Metho	<u>d</u>							
Outline 数値計算の手法を基礎から分かりやすく解説し、そのアルゴリズムを修得する。									
Style		方程式の解え 解説のあとに	は,補間,微分別 に、実際に数値記	5程式の解の導出なる †算を行う演習に取	ど,数値計算で近似 組んでもらう。	以解を導出する様	票準的な問題について, 一通り扱う.		
Notice				牛(割合): 1/3以」	上の欠課				
Charact	eristics (of Class / D	ivision in Le	arning	1				
☑ Active	Learning		☐ Aided by IC	CT	☑ Applicable to	Remote Class	☐ Instructor Professionally Experienced		
Course	Plan								
		The	eme			Goals			
		1st = 2	法			二分法の考え方	を理解する。		
			ュートン法			ニュートン法を			
		3rd べ	アストウ法			ベアストウ法を理解する。 ボウス・ジョルダン法のアルゴロブムを知りピボ			
	1st	4th ガワ	ウス・ジョルダン 	ン法 	(ガウス・ジョルダン法のアルゴリズムを知りピボット の重要性を理解する。			
	Quarter			マ・ザイデル法とヤコビの反復法			ガウス・ザイデル法とヤコビの反復法のアルゴリズム の違いを理解し、それぞれの特徴を理解する。		
			値と固有べク	トルの解法	T I	固有値の計算法のアルゴリズムを理解する。			
		7th 復				これまでの内容を復習する。 60点以上を取得する。			
1 at			8アスト 間法			=	ほする。 間とニュートン補間について理解する		
1st Semeste r				 系数		。 最小2乗法のア を理解する。	ルゴリズムを理解し、相関係数の概念		
		11th 数f	直積分		1		として台形公式とシンプソンの公式を		
	2nd	12th オ-	イラーの前進公司	式		微分方程式の数 着ける。	値計算法として差分近似の解法を身に		
	Quarter	13th ル	ンゲクッタ法			微分方程式のよ 身に着ける。	り精密な方法としてルンゲクッタ法を		
		14th 高阿	皆の微分方程式。	と偏微分方程式	,	2 階以上の微分 方と注意事項を	方程式の考え方と偏微分方程式の考え 理解する。		
15th モンテカルロ法とこれまでの復習					:		の考え方を理解し、これまでの内容を		
		16th 期	卡試験			6 0 点以上を取	得する		
Evaluat	ion Meth	od and We	_ , ,		1				
			<u> </u>		平常点 Total				
Subtotal 50 基礎的能力 0					50	100			
基礎的能力 0 専門的能力 50					50	0			
専門的能力 50 分野横断的能力 0					50 100				
力野横断的	1能力		U		0 0		ĮU		

P	Akashi Co	ollege		Year	2024			ourse Fitle	Graduation Thesis	
Course	Informa	tion	•		•					
Course C	ode	6518				Course Categor	У	Specializ	zed / Compulsory	
Class For	mat	Seminar				Credits		School C	Credit: 9	
Departme	ent	Electrica	l and C er Engi	Computer E neering Co	ngineering urse	Student Grade		5th		
Term		Year-rou	ınd			Classes per Week 前期:6 後期:12				
Textbook		必要に応	じて, 扌	指導教員が哲	?布する.					
Instructo	<u>Materials</u> r	All facult	v of th	e denartm	ent ,NAKANISHI	liroshi				
	Objectiv	•	., 0	Сасрания	<u> </u>	05.11				
(1) 工学の (2) データ (3) 継続的	ン基礎知識を ア処理技術及 なに物事を将	に用・統合 び情報伝達の 『求する自己	して自 り の理論 学習能力 英文の打 としてる	う研究課題を ・手法を修復 りを身に着け 支術論文が読まとめるとと	と設定するとともに,	広い視野から体系 理論解析に応用でき し,自己の研究に活 ーションによって他	系的・実 きる. 舌用でき 也者に伝	選的に問 る. えて討議	題を発見・解決できる. できる.	
Rubric										
				的な到達レ		標準的な到達レベ	ジレの目	l安	未到達レベルの目安	
評価項目1			自らとも	研究課題を	を応用・統合して 適切に設定すると 野から体系的・実 確に発見・適切に	工学の基礎知識を 自ら研究課題を設 , 広い視野から体 問題を発見・解決	設定する 体系的・	とともに 実践的に	: 自ら研究課題を設定できない,あ	
評価項目2			計や	手法を深く理論解析に	及び情報伝達の理 修得し, 種々の設 適切に応用できる	データ処理技術及 論・手法を修得し 理論解析に応用で	ノ,種々	伝達の理 の設計や	は種々の設計や理論解析に応用で きない.	
評価項目3				学習能力を	に物事を探求する 身に着けることが	継続的に物事を招 能力を身に着ける	₩求する ることが 	自己学習 できる.	継続的に物事を探求する自己学習 能力を身に着けることができない・	
評価項目4			研究 の技 理解 でき	術論文が読 ひ,自己の	した和文及び英文 め,それらを深く 研究に適切に活用	研究課題に関連しの技術論文が読めし、自己の研究に	5,それ	しらを理解	研究課題に関連した和文及び英文 の技術論文が読めない,あるいは それらの理解や自己の研究への活 用ができない.	
評価項目5	5		て適ゼン	切にまとめ テーション	果を技術論文とし るとともに、プレ によって他者に的 討議ができる.	こともに、プレー てまとめるとともに、プレゼンテー こって他者に的 ニーションによって他者に伝えて討		: しまこめることがしさない、める		
Assigne	ed Depar	tment Ob	jectiv	/es		•			•	
Teachir	ng Metho	od								
Outline			って自語						問題点を理解・分析し,適切なアプロ -ションによって研究成果を的確に他	
Style		卒業研究	は複数の	の教員(研究 対などに取り	『室)で行う. その)組む	中の1つの研究室で	,指導	教員の指	導に従って, 文献調査, 実験・シミュ	
Notice		研究成果 卒業研究	につい ^っ の時間(て指導教員と こ研究が行え	- 頻繁に議論するこ	教員の許可を得た」	上で,他 202.5時	・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・	への振り替えを行うこと.	
Charact	teristics	of Class /								
☑ Active	Learning		☑ A	Aided by IC	т	☑ Applicable to	Remo	te Class	☐ Instructor Professionally Experienced	
Course	Plan									
204.30			Theme				Goals			
		1st	卒業研:				指導教師	員の下で,	自主的に,文献調査,実験・シミュ	
			一条""。 同上				<u>レーシ:</u> 同上	ヨン,検記	村などを行うことができる.	
		H +	<u> </u>				<u> 同工</u> 同上			
	1st		<u>同工</u> 同上				<u> </u>			
	Quarter		同上				同上			
			同上				同上			
1st 7th 🖪		同上			I	同上				
		同上				同上				
			同上				同上			
			同上				同上			
	2nd		同上				同上			
	Quarter		<u>同上</u>				同上			
			同上			同上				
			同上				同上			
	15th 同上					同上				

		16th	期末試験実施せず								
		1st	卒業研究			指導教員の下で, レーション, 検討	自主的に,文献 などを行うこと:	調査, 実験・シミュ ができる.			
		2nd	卒業研究中間発表会	会の準備		卒業研究中間発表: ジュメを作成する	卒業研究中間発表会で使用するポスターと配布用のレジュメを作成することができる.				
		3rd	卒業研究中間発表会	<u>z</u>		これまでの研究成! できる.	これまでの研究成果をポスター形式で発表することができる。				
	3rd Quarter	4th	卒業研究			指導教員の下で, I	自主的に,文献 などを行うこと:	調査, 実験・シミュ ができる.			
		5th	同上			同上					
		6th	同上			同上					
		7th	同上			同上					
2nd Semeste		8th	同上			同上					
r	r		同上			同上	同上				
		10th	卒業論文の執筆			卒業研究の成果を できる.	まとめ, 卒業論	文を執筆することが			
		11th	同上			同上					
		12th	同上		同上	- · ·					
	4th Quarter	13th	卒業研究発表会の準	D準備		卒業研究発表会で配布するレジュメを作成することが できる.					
		14th	同上			卒業研究発表会でで できる.	卒業研究発表会で使用するスライドを作成することが できる.				
		15th	卒業研究発表会				スライドを用いて卒業研究の成果を口頭で発表するとともに、質疑に適切に答えることができる.				
		16th	期末試験実施せず								
Evaluati	ion Meth	od and \	Weight (%)								
	試験		発表	相互評価	態度	ポートフォリオ	その他	Total			
Subtotal	Subtotal 0		0	0	0	0	0	0			
基礎的能力	基礎的能力 0 (0	0	0	0	0	0			
専門的能力	専門的能力 0		0	0	0	0	0	0			
分野横断的	能力 0		0	0	0	0	0	0			

А	kashi Co	llege	Year	2024			ourse Fitle	Probability and Statistics	
Course	Informa	tion		•		•			
Course Co	ode	6519			Course Categor	ry	Specialize	d / Compulsory	
Class Forr	mat	Lecture			Credits		Academic	Credit: 2	
Departme	ent		and Computer I		Student Grade		5th		
Term		First Sem				eek	2		
Textbook					•	•			
Teaching Instructor		HAMADA	Vulcibiro						
	Objectiv		TUKITITO						
[1] Can o [2] Under [3] Under [4] Under [5] Can m	rganize 1- stand the stand the stand the nake statis	and 2-dime concept of p	probability distri statistics and ca tes.	can calculate the pr bution and can calc an calculate basic s	culate the amour	event. nt of sa	mples.		
Rubric									
			Ideal Level		Standard Level			Unacceptable Level	
Achievement 1			Can correctly variance, cove correlation co create a histo	efficient and	Can calculate n covariance, and coefficient and histogram.	d correla	ation	Cannot calculate mean, variance, covariance, and correlation coefficient and create a histogram.	
Achievement 2			Can correctly probability an probability of determine the the event corrections	d conditional an event, and independence of	Can calculate the and conditional event, and determined independence of	l probat ermine	oility óf an the	Cannot calculate the probability and conditional probability of an event, and determine the independence of the event.	
Achievement 3			Can correctly probability of binomial distribution, a distribution.	an event under ibution, Poisson	an event under binomial distribution, Poisson distribution, and normal			Cannot calculate the probability of an event under binomial distribution, Poisson distribution, and normal distribution.	
Achievement 4				nd can correctly ple mean, sample	Understand sar populations and sample mean, s and unbiased v	d can ca sample	alculate variance,	Do not understand samples and populations and cannot calculate sample mean, sample variance, and unbiased variance.	
Achievem	ent 5		Can accuratel estimation an estimation.		Can make point estimation ar interval estimation.			Cannot make point estimation and interval estimation.	
Achievem	ent 6		Can accuratel population me population va	ean and the	Can test the population mean and the population variance.			Cannot test the population mean and the population variance.	
Assigne	d Depar	tment Ob							
Teachin	g Metho	d							
Outline		laround u	s. explain what	happened based or	n the pattern, ar	nd estim	nate the w	various coincidence that occurs vhole from the part. In this	
Style			udents will learn the basics of probability theory and sta					the content you will learn for the	
Notice		This cour guarante reports. assignme calculus. Students	ed in classes and There will be two ents involves pro Try to solve the who miss 1/3 o	d the standard self o assignments, and ogramming in C. St oquestions or exerc or more of classes v	urs of study in to -study time requ d both of them m udents should ha cise problems yo will not be eligible	otal. The uired for nust be ave a prourself a e for ev	ese hours r review a submitted rior knowl and score valuation.	include the learning time nd completing assignment d by the due date. One of the edge of linear algebra and it against the answer.	
Charact	eristics of	of Class /	Division in Le	earning					
□ Active	Learning		☑ Aided by I	СТ	☑ Applicable to	o Remo	te Class	☐ Instructor Professionally Experienced	
Course	Plan								
		-	Theme			Goals			
		1st	Course guidance	ourse guidance and 1-dimensional data 1/2			Understand the objectives and grading method the course. Can create a frequency distribution table and a histogram of the data.		
			1-dimensional d	ata 2 of 2		Can ca standa	lculate me rd deviati	ean, median, mode, variance, and on of the data.	
1st Semeste r	1st Quarter	3rd	2-dimensional d	ata				e correlation coefficient and f 2-dimensional data.	
		4th I	Discrete probability			Can ex events,	Can explain the meaning and nature of trials, events, and probability.		
		5th	Conditional prob	ability and Bayes' t	theorem	determ	iine wheth	nditional probability and ner two events are independent. n Bayes' theorem.	

		6th	Probability varia	bles and distribut	ion	Can explain di discrete proba the sequential probability dei	screte probabili bility distributio probability var nsity function.	ity variables and ons. Also, can explain iables and the			
		7th	Mean and variar	nce of probability	variables	Can calculate variables.	Can calculate mean and variance of probability variables.				
		8th	Midterm examin It is given durin								
		9th	Binomial distribu	ution and Poisson	distribution	Can explain th distribution ar distributions.	e binomial dist d can calculate	ribution and Poisson their means and			
			Normal distribut	ion		explain the rel	nd use normal o ationship betwo Id normal distri	distribution. Also, can een binomial bution.			
			Sample distribut	tion		Isample varian	opulation, samp ce, unbiased-va s, and central li	ole, sample mean, ariance, the law of mit theorem.			
	2nd	12th	Central limit the	orem		Can explain no theorem.	Can explain normal population and central limit theorem.				
	Quarter	13th	Various probabi	lity distributions		Can explain th distribution.	e chi-squared o	distribution and t-			
		14th	Estimation and	timation and test 1 of 2			Can perform interval estimation of population mean when the population variance is known and unknown. Also, can explain what we claim by statistical tests.				
		15th	Test 2 of 2			Can perform two-tailed and one-tailed tests for the population mean when the population variance is known and unknown.					
		16th	Final examination	on							
Evaluat	ion Met	hod and	Weight (%)								
	E	xamination	n Task	Mutual Evaluations between students	Behavior	Portfolio	Other	Total			
Subtotal	8	0	20	0	0	0	0	100			
Basic Proficienc	cy 0	, 0 0 0 0		0	0	0	0				
Specialize Proficienc		0 20 0		0	0	0	100				
Cross Are Proficienc			0 0 0			0	0	0			

Akashi College			Year	Year 2024		Course Title	Information Theory	
Course	Informa	tion		,				
Course Code 6520					Course Category	Specialized / Compulsory		
Class Format Lecture					Credits	School (Credit: 1	
Department Electrical a Computer			al and Computer er Engineering Co	and Computer Engineering r Engineering Course		5th		
Term Second Ser			Semester	emester C		k 2		
Textbook	tbook and/or ching Materials 使用しない(適宜資料を配布する)。							
Instructor TSUCHIDA Takayuki								
	Objectiv							
(2) 様々た (3) 符号の (4) Shani (5)通信路	は情報源の定 O種類と符号 nonの第一に とは何であ	Ξ義、各々の 号が満たすべ 定理とその意	が情報源のエントロ き条件を理解し、 意義を理解する。 な種類があるか。 a	妥当性はどう保証さだ ピーの意味を理解し 平均符号長とその限 またどのような形式で	、それを導出できる 界を導出できる。			
Rubric								
			理想的な到達し		標準的な到達レベルの目安		未到達レベルの目安	
評価項目1)ように定義される 3当性はどう保証さ こ説明できる。	情報の量はどのように定義されるか、またその妥当性はどう保証されるかを説明できる。		情報の量はどのように定義される か、またその妥当性はどう保証されるかを説明できない。	
評価項目2			様々な情報源の 源のエントロじ 、それを的確に)定義、各々の情報 ピーの意味を理解し 『導出できる。	様々な情報源の定義、各々の情報 源のエントロピーの意味を理解し 、それを導出できる。		様々な情報源の定義、各々の情報 源のエントロピーの意味を理解で きない。	
評価項目3			符号の種類と作 件を理解し、平 界を的確に導出	符号が満たすべき条 ^I 均符号長とその限 Iできる。	条 符号の種類と符号が満たすべき。 根 件を理解し、平均符号長とその限 界を導出できる。		件、平均符号長とその限界を理解 できない。	
評価項目4			Shannonの第- 的確に説明でき	ー定理とその意義を きる。	説明できる。		Shannonの第一定理とその意義を 説明できない。	
評価項目5			類があるか、ま	認とは何でありどのような種 があるか、またどのような形式 長現できるのかを具体的に説明 で表現できるのかを説明できる。				
評価項目6			Shannonの第3 に説明できる。	Shannonの第二定理の意義を的確 Shannonの第二に説明できる。 できる。		理の意義を説明	Shannonの第二定理の意義を説明 できない。	
Assigne	ed Depar	tment O	bjectives					
Teachir Outline	ng Metho		annonを創始者とる ステムにおいて、 こから始まりShann	する情報理論における 情報を「速く」かつ onの第一定理までを	3成果は現代生活に 「正確に」伝送する 説明する。後半は近	おいてなくては ために必要な失 通信路の定義か	ならないものとなっている。本講義で □識について説明する。前半では情報 ら始まりShannonの第二定理について	
			を用いた講義形式で授業を行う。					
Notice		確率、紛	話か知識を前提で 対象としない欠席条	講義を行うのでこれ 件(割合) 1/3以上の	らの事項に関してよ 欠課	く埋解しておく	(26.	
Charact	eristics		/ Division in Le					
☐ Active Learning			☐ Aided by I	СТ	☑ Applicable to Remote Class		☐ Instructor Professionally Experienced	
Course	Plan							
			Theme		C	Goals		
2nd Semeste r	3rd Quarter	1st	通信システムのモデル		悄	青報理論で想定 別、情報の定	する通信システムのモデルについて説	
		2nd	無記憶情報源とエントロピー			明じ、情報の定量化ができる。 最も単純な情報源である無記憶情報源の説明と情報源 の内部構造を探る手がかりとなるエントピーについて 説明できる。		
		3rd			Ŧ,		より近いマルコフ情報源の説明とその 尊出ができる。	
		4th	符号とは			符号の定義を行い、符号が満たすべきいくつかの条件 について説明できる。平均符号長の定義と瞬時に復号 可能な符号の平均符号長の限界について説明できる。		
		5th	Shannonの第一定理			Shannonの第一定理の式とその意義についての説明できる。		
		6th	Huffman符号				コンパクト符号を構成できる符号化法として Huffman符号を構成できる。	
		7th	通信路			通信路の定義、その表現方法について説明できる。		
		8th	中間試験			通信路を介して伝送される情報について定義される相		
	4th	9th	相互情報量			直情報量につい	て説明できる。	
	4th Quarter	10th	様々な通信路				格、確定的通信路、通信路の縦続接続 格について説明できる。 察から導かれる通信路容量の定義を説	
		11th	通信路容量			日生情報重の考察	ポルンチルルでは旧四台里少た我で就	

	12th	通信路の信頼性	生向上		通信路を介しての る方法について説	通信路を介しての情報伝送において信頼性を向上させる方法について説明できる。				
	13th	誤り率と判定規	規則			通信路における誤り率を小さくするための判定規則について説明できる。				
	14th	Shannonの第	二定理		二元対称通信路に きる。	二元対称通信路に対するShannonの第二定理を説明できる。				
	15th	通信路符号化			いくつかの通信路きる。	いくつかの通信路符号化について、その原理を説明できる。				
	16th	期末試験								
Evaluation M	lethod and	d Weight (%)								
	試験	発表	相互評価	態度	ポートフォリオ	その他	Total			
Subtotal	100	0	0	0	0	0	100			
基礎的能力	0	0	0	0	0	0	0			
専門的能力	100	0 0 0			0	0 0 100				
分野横断的能力	0	0	0	lo	0	0 0 0				

А	.kashi Co	ollege	Year	2024		Course Title	Compiler	
Course	Informa	tion	1			1 TICK	1	
Course Co		6521			Course Category	y Special	ized / Compulsory	
Class Forr		Lecture			Credits		Credit: 1	
Departme	ent		and Computer I		Student Grade	5th		
Term		First Ser	er Engineering Co mester	ourse	Classes per Wee			
Textbook		1 1136 361	ricacci		Telasses per vvec	<u> </u>		
Teaching		MILIDAL	/invo				_	
Instructor	Objectiv	MIURA E	Kinya					
The aim of programn The speciful To united To	of this cour ning langu fic goals a derstand t derstand t derstand t ese technic ability to c	rse is to ga age and th re: he theoreti he theoreti he method ques to dev design prog	e execution of the ical fundamentals ical fundamentals is of semantic and relop your compile.	e program. s and methods of less and methods of sallysis and code geler creation skills. Ege and its compiler	exical analysis yntactic analysis. neration. By learning the th	eoretical fund	better understanding of the lamentals of these methods, acquire imming skills through a deeper	
Rubric					.			
			Ideal Level		Standard Level		Unacceptable Level	
Achievem	ent 1		and methods	ne theoretical basis of lexical analysis a program of s precisely.	Understand the basics and methanalysis mostly, program of leximostly.	nods of lexical and can writ		
Achievem	ent 2		analysis and o	ethods of syntactic	Understand the basics and techn parsing mostly, program of synt mostly.	niques of and can write	Do not understand the theoretical fundamentals and techniques of syntactic analysis, and cannot write a program of syntactic analysis.	
Achievem	ent 3		and code gene	emantic analysis eration methods, a program of ysis and code ecisely.	S Understand semantic analysis Do not understand se			
Assigne	d Depar	tment Ol	ojectives					
Teachin	g Metho	d						
Outline		level lan a langua students	guage). The com age (machine land s various theories s that have been	npiler is a software guage) that the CP about the svntax	that converts pro PU can interpret a and semantics of	ograms writte nd execute. I programming	at is highly human-readable (a high- n in such a high-level language into n this course, we will lecture g languages and the various nming languages into machine	
Style		required	ure is mainly bas I. Also, tasks will s Yukihiro Hamad	be assigned as app	of textbook, but s propriate. We hav	should be sup ve a practical	plemented with handouts if training on 15th week. The contact	
Notice		program theory).	nming II, data str or equivalent su	uctures and algorit	thms, discrete ma	athematics (fi	uters (assembly language), nite automata, and formal language n.	
Charact	eristics	•	Division in Le					
☐ Active	Learning		☑ Aided by I	СТ	☐ Applicable to	Remote Clas	Instructor Professionally Experienced	
	_	_						
Course	Plan							
			Theme		-	Goals		
		1st	Compiler overvie	5W	1		ne theoretical model of the compiler, ompilation process, and the ne compiler.	
		2nd	Lexical analysis	1 of 3		automaton (F. compiler's lex		
1st Semeste r	1st Quarter	3rd	Lexical analysis	2 of 3			a finite automaton that accepts res expressed in regular	
		4th	Lexical analysis	3 of 3		Can explain th state transitio	ne lexical analysis program using n tables.	
		5th	Grammar (Form	al language theory	') 1 of 2	rmal language theory, in particular ee grammar (CFG) commonly used nitions of programming language. ain BNF, extended BNF, and syntax		

		6th	Grammar (Form	mal language theo	ry) 2 of 2	the derivation deriving of the	of the symbolic e leftmost/right	theory: Can explain c column, the most column, the if the grammar, etc.		
		7th	Syntactic analy	rsis 1 of 3		Can explain re especially LL(1 problem of lef	cursive downw l) parsing. Can t recursion.	vard parsing, also solve the		
		8th	Midterm exam It is given duri	ng class.						
		9th	Syntactic analy	sis 2 of 3		Understand ar	nd can explain I	LR parsing.		
		10th	10th Syntactic analysis 3 of 3		Can explain ho and errors.	Can explain how to handle ambiguous grammar				
	11th		Semantic analy	sis 1 of 2		map names to language (nan	Can explain the semantics analysis and how to map names to the objects that represent in the language (name resolution). Can also explain scopes and namespaces.			
	2nd	12th	Semantic analysis 2 of 2			Can explain th type checking, handling.	orward references, on, and error			
	Quarte	13th	Code generation	on 1 of 2		environment a code correspo	Define a model for a specific execution environment and can explain the generation of code corresponding to function calls. Can also explain how to allocate storage area for local variables, etc.			
		14th	Code generation	on 2 of 2		Can explain how to generate codes for various statements and expressions.				
		15th	Practical trainir	ng		Can create a susing "bison"	Can create a simple language processing system using "bison" and "flex".			
		16th	Final exam							
Evaluati	ion Me	thod and	Weight (%)							
	E	Examination	n Task	Mutual Evaluations between students	Behavior	Portfolio	Other	Total		
Subtotal	8	30	20	0	0	0	0	100		
Basic Proficienc	cy ()	0	0	0	0	0	0		
Specialize Proficienc			0	0	0	100				
Cross Are Proficienc		0 0 0			0	0	0	0		

P	kashi Co	ollege	Year	2024		Course Title	Software Engineering	
Course	Informa	tion	1			, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	l .	
Course C		6522			Course Categor	y Specializ	ed / Compulsory	
Class For	mat	Lecture			Credits	School C	Credit: 1	
Departme	ent		and Computer of Engineering Co		Student Grade	5th		
Term		First Sem		ourse	Classes per Wee	ek 2		
Textbook	and/or					<u>'</u>		
	<u>Matérials</u>	TCUCUTO	A Takawaki					
Instructo	Objectiv		A Takayuki					
[1] Can 6 [2] Can 6 [3] Can 6 [4] Can 6	explain the explain the explain the	process of s process of c need for pro	designing a systo piect managemo	system developme em according to us ent and its method ng quantitative inde	er requirements. s (WBS, PERT ch	art, etc.).		
Rubric			T		T		T	
			Ideal Level	-:	Standard Level		Unacceptable Level	
Achievem	nent 1	Can fully explain the process o software-centric system development. Can fully explain the process o			Can explain the software-centric development.		Cannot explain the process of software-centric system development.	
Achievem	nent 2		Can fully explored designing a syuser requirem	Can explain the designing a syst user requirement	tem according t	Cannot explain the process of designing a system according to user requirements.		
Achievem	nent 3		project manag	ain the need for gement and its S, PERT chart,	Can explain the management ar (WBS, PERT cha	nd its methods	Cannot explain the need for project management and its methods (WBS, PERT chart, etc.).	
			Can fully expl quality contro quantitative in		Can explain the control using qualues.			
Assigne	d Depar	tment Ob	jectives					
Teachir	ng Metho	od						
Outline		lexperience	ce to teach in cla	been developing an ass. The basics of s ents at the field wi	oftware developr	oftware in a co ment in theory	npany will take advantage of their will be taught using textbooks,	
Style				e actual developme				
Notice		course, a classes a Students	nd it involves kr s well as the day who miss 1/3 o	nowledge from the ys of group work. or more of classes v	first and second	semester, it is	ents who had registered to the important to be careful not to miss	
Charact	eristics	of Class /	Division in Le	earning	ı		T	
☑ Active	Learning		☑ Aided by I	СТ	☑ Applicable to	Remote Class	☑ Instructor Professionally Experienced	
Course	Plan							
course		-	Theme			Goals		
				development of sof	tware	Çan raise at lea	st one aspect of software	
			Software develo	<u> </u>		Can list several	nd its challenges and give reason. development process models and	
			Request Analysis	· ·		their characteri Can talk about	the relationship and usefulness of	
			Software design			Can talk about modules with lo	is and prototyping. the dependencies between ow and high module binding, and	
	1st Quarter	5th F	Programming ar	nd testing		Can talk about	camples of low module binding. programming techniques to ontamination and techniques to ficiency	
1st Semeste		6th	Testing and Mair	ntenance		Can come up w	rith measures to ensure and explain them.	
r		Group work				p work assignment related to the in week 6 of the first half of the		
	8th Midterm exam					anding of the content from first hal		
		9th	Object orientation	on 1		Can explain thi	ngs around me using the	
	24					expressions class and instance. Can talk about the characteristics of object oriented programming. Can talk about the importance and difficulty of software reuse		
		10th	Object orientatio	on 2		oriented progra importance and	nmming. Can talk about the difficulty of software reuse.	
			Object orientation Design pattern 1			oriented progra importance and	amming. Can talk about the difficulty of software reuse.	

		13th	Project Managem	nent, Quality con	trol	Can state the Can talk about	Can state the importance of project management. Can talk about quality control techniques.			
		14th	Development size				t the method fo	or estimating the size		
		15th	Group work	Froup work			Engage in group work assignment related to the content taught in week 6 of the second half of the semester.			
		16th	Final exam	inal exam			canding of the c nester.	content from second		
Evaluati	on Me	ethod and \	Weight (%)							
		Examination	Groupwork	Mutual Evaluations between students	Behavior	Portfolio	Other	Total		
Subtotal		60	20	0	0	20	0	100		
Basic Proficiency	y	0	0	0	0	0	0	0		
Specialize Proficiency		60 20 0 0		20	0	100				
Cross Area Proficiency		0	0 0 0		0	0	0			

А	kashi Co	ollege	Year	2024		Course Title	Information Network		
Course	Informa	tion							
Course Co	ode	6523			Course Categor	y Specializ	zed / Compulsory		
Class For	mat	Lecture			Credits	School (Credit: 1		
Departme	ent		nd Computer E Engineering Co		Student Grade	5th			
Term		First Seme			Classes per We	Veek 2			
Textbook Teaching									
Instructor		INOUE Kaz	unari						
	Objectiv								
1) Netword 2) Technot 3) IP pack 4) Contro	rk history, ology that kets and ro Il method l	TCP / IP prot constitutes a	ocol LAN DP	etwork technology	,, and the individ	lual goal is to a	cquire the following abilities.		
Rubric									
			Ideal Level		Standard Level		Unacceptable Level		
Achievem	ent 1		Fully understa networks and communication		Understand the networks and T communication	CP / IP	Cannot understand the history of networks and TCP / IP communication protocols.		
Achievem	ent 2			nd the topology ion method for	Understand the transmission mobuilding a LAN.		Cannot understand the topology and transmission method for building a LAN.		
Achievem	ient 3		Fully understa frames and for packets and ro		Understanding of frames and forward packets and rou	warding, IP	Cannot understanding of Ethernet frames and forwarding, IP packets and routing.		
Assigne	d Depar	tment Obje	ctives		•		<u> </u>		
Teachin	g Metho	d							
Outline		communica experience With the go	ation protocols. in developing oal of understa	 Learn the networ routers and other nding the basics o 	k security. In thi network devices f network techno	s subject, facul will give lectur blogy regarding	LAN construction, the Internet,		
Style		and securit	y, lectures and	exercises will be	held from the 1s	t to the 15th w	eek.		
Notice		•		more of classes v	vill not be eligible	e for evaluation			
			ivision in Le				☐ Instructor Professionally		
☐ Active	Learning		☐ Aided by I	CT	☐ Applicable to	to Remote Class Instructor Professionally Experienced			
Course	Plan	<u> </u>							
		Th	eme			Goals	at the bistom of networks and the		
		co	mmunication r	tworks and the tra nethods will be ex	plained.	Understand that the history of networks and the transition of communication methods will be explained.			
		2nd sig	inals will be de	ng and compositin scribed. Specific e on and serial inter	xamples of face will be	compositing of Specific examp	at the Digitization, coding and analog signals will be described. else of digital transmission and will be described.		
		3rd to	the packet swi	om the circuit swit itching method and make up the Inte	d the ernet will be	switching meth	at the difference from the circuit nod to the packet switching method plogies that make up the Internet ed.		
1st	1st Quarter	4th the	The technical outline of each layer that composes the OSI reference model and TCP / IP will be explained.				at the technical outline of each poses the OSI reference model and explained.		
Semeste r		15th Ide	capsulation on	ne flow of encapsulation and ation on the transmitting side and side, and L2 / L3 / L4 / L7 processing.		Understand that the flow of encapsulation decapsulation on the transmitting side an receiving side, and L2 / L3 / L4 / L7 proceiving side, and L2 / L3 / L4 / L7 proceiving side, and L2 / L3 / L4 / L7 proceiving side, and L2 / L3 / L4 / L7 proceiving side, and L2 / L3 / L4 / L7 proceiving side, and L2 / L3 / L4 / L7 proceiving side, and L2 / L3 / L4 / L7 proceiving side, and L2 / L3 / L4 / L7 proceiving side, and L2 / L3 / L4 / L7 proceiving side, and L2 / L3 / L4 / L7 proceiving side, and L2 / L3 / L4 / L7 proceiving side side sides s			
		6th sta	ar type will be	ork topologies such as bus type and be described. The technology that e LAN, switches / routers, will be		such as bus typ Also, understar	at the various network topologies be and star type will be described. In that the technology that LAN, switches / routers, will be		
			Describes Ethernet frame formats, headers, payloads, trailer roles and MAC addresses.		freecos		at the Ethernet frame formats, ads, trailer roles and MAC		
		8th Mi	Mid-term exam				Mid-term exam		
	2nd Quarter	9th me	ethod, and clas	packet format, ad ssful address. The I will be described	routing table	address setting	at the the IP packet format, g method, and classful address. The nd route control will be described.		

		10th	Describes the def classless, and cal- networks / hosts.	inition of IP addre culation of the nu	ess, classful / mber of	Understand that classful / classles of networks / ho	ss, and calculation	IP address, on of the number	
		11th	The DHCP server Technology to he request / respons be explained.	p IP Describe the	ICMP echo	Understand that the DHCP server function will be described. Technology to help IP Describe the ICMP echo request / response. The ARP between L2 / L3 will be explained.			
		12th	The connectionles protocol will be do passing to L7 will	escŕibed. The por		Understand that the connectionless type / connectionless type protocol will be described. The port number and passing to L7 will be explained.			
		13th	Describes service Internet such as I	s and protocols fo DNS, Web. Serve	or using the r and HTTP.	Understand that using the Internet		l protocols for Web. Server and	
		14th	Explain the ethics encryption technological information hidde	ology for handling		Understand that the ethics, network security and encryption technology for handling threats and information hidden in networks.			
		15th	The mobile comm network will be do Describe the IoT networks.	escribed.		Understand that the mobile communication and the access network will be described. Also, understand that the IoT (Internet of Things) and non-IP networks.			
		16th	Final exam			Final exam			
Evaluati	on Me	ethod and	Weight (%)						
		Examination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total	
Subtotal		80	0	0	0	0 20		100	
Basic Proficience	у	0 0		0	0	0	0	0	
Specialize Proficience		80	0	0	0	0	20	100	
Cross Are Proficience		0	0 0 0				0	0	

Course In Course Coor Class Form	nformat			2024			Course Title	Advanced Information Networks
Course Coc Class Form		ion				TICIC	INCLIVOTRS	
	de	6524			Course Categor	У	Specialize	ed / Compulsory
Donartmon	nat	Lecture			Credits		School C	redit: 1
Departmen	nt	Electrical	and Computer E Engineering Co	ngineering urse	Student Grade		5th	
Term		Second Se		u130	Classes per We	eek 2		
Textbook a								
Instructor	laccitais	INOUE Ka	zunari					
Course C	bjective	es						
consumption years such	on, and state on, and the real the real the family and the family and state	ability and hecomputing a computing a coles and appunctions and cof-the-art t	nigh reliability. F nd virtualization dications of L2/L	urthermore, the go 3/L4 and L7 corre	oal is to understa	and ac	dvanced a	high speed, low power oplications for networks in recent and can learn about future
Rubric								
			Ideal Level		Standard Level			Unacceptable Level
Achieveme					Understand the applications of I			Do not fully understand the role and application of L2/L3/L4 and L7.
Achieveme					Understand the control of netwo			Do not understand the function and control of network routers.
Achieveme	Fully understand advanced Uvernent 3 technologies, such as				Understand adv technologies su virtualization.		İ	Do not understand the advanced technologies, such as virtualization.
Assigned	Depart	partment Objectives						
Teaching	g Metho	d_						
Outline Style		processing of routers and other related equipment in order to build and operate a networ The discussion will cover the current network challenges, such as faster speeds and lower consumption, and new technologies, such as virtualization to solve these problems. This lecture is conducted in a lecture style by a teacher with practical experience in develoruters. Classes are held in lecture style from week 1 to week 15.					eds and lower power oblems.	
Notice		Students :	should have the mation Network	knowledge of the	year 3 class Intr			nputer Engineering and year 5
Characte	eristics c	of Class / I	Division in Le	arning				
☐ Active L	Learning		☐ Aided by IC	T	☐ Applicable to	Rem	ote Class	☐ Instructor Professionally Experienced
Course P	lan							
Course P	iuii	Тт	heme		T	Goals		
		1st D	CP/IP protocol a	and technologies at ergence of TCP/IP a etworking.	t each layer and the	TCP/II Under	P Overvievestand the ologies.	v advent of TCP/IP and networking
		2nd P	erformance and escribe termino	characteristics of logies of network s roughput, congest	such as tion, and so	Under	stand terr	d characteristics of networks ninologies of network such as throughput, congestion, and so
		3rd D	optical and electroescribe fiber opt Serializer/Desera	tics, transceivers,	and SerDes	Under	al and elect stand fibe lizer/Dese	trical signals r optics, transceivers, and SerDes ralizer).
	3rd Quarter 4th LAN configuration and control technol Describe wired and wireless connection remote access using SSH.		nology tivity and	LAN c Under	onfigurationstand	on and control technology ed and wireless connectivity and sing SSH.		
2nd Semeste r	nd emeste 5th	_{5th} L	ower layer proto		otocols	Lower Under	layer pro	tocol varding and routing protocols
	6th Upper layer protocol Describe examples of TCP/UDP and a		applications	Under	layer prostand exa ations.	tocol mples of TCP/UDP and		
		/ui D		tion by NTP work Time protoco	1.	Under	stand the	zation by NTP Network Time protocol.
	8th Midterm exam					m exam		
9th D		letwork equipment escribe the configuration and control o witches/routers and servers.		rol of	Under		nent configuration and controls of sand servers.	
	Quarter		IB and routing escribe tree sea	rch and longest m	atch coarch			e search and longest match

		11th	Routing tables and ternary state me Describe routing and access control	emory I using TCAM.	Routing tables an Understand outin TCAM.	d ternary state memory g and access control using	
		12th	Fragmentation and Packet Buffers (assignments to submit) Describe packet assembly and que	-	Fragmentation ar Understand packer routers.	nd packet buffers et assembly and queuing at	
		13th	Internet technology Describe access network to ISP con autonomous systems (AS).	nectivity and	Internet technolo Understand acces and autonomous	ss network to ISP connectivity	
		14th	Network virtualization Describe network virtualization tech as VLAN, VPN, and OpenFlow.	nnologies such	Network virtualization Understand network virtualization technologies such as VLAN, VPN and OpenFlow.		
		15th	Wireless networks and the Internet Describe wireless LAN, Bluetooth (L (Low Power Wide Area).	of Things E) and LPWA		s and the Internet of Things A (Low Power Wide Area) from etooth (LE).	
		16th	Final exam		Final exam		
Evaluation	on Meth	od and V	Veight (%)				
			Examination	Submission ass	signment	Total	
Subtotal			80	20		100	
Basic Profi	iciency		0	0		0	
Specialized	pecialized Proficiency 80			20		100	
Cross Area	a Proficien	су	0	0 0		0	

Д	kashi Co	ollege	Year	2024		Course Title	Database		
Course	Informa	tion	I			1 Title			
Course Co		6525			Course Categor	y Specializ	red / Compulsory		
Class For	mat	Lecture			Credits	School C	Credit: 1		
Departme	ent		and Computer ler Engineering Co		Student Grade	5th			
Term		Second S	Semester		Classes per We	Veek 2			
Textbook Teaching									
Instructo	r	TSUCHIE	A Takayuki						
Course	Objectiv	es							
modeling computer understar managem	for storing , language nd the con nent and p	g real-world es for defini cepts of dat rogrammin	data in a compung and querying tabases and lear	uter, methods for s data, and controls n the knowledge an language SQL. The	storing and retrie for enabling sim nd skills of key ar e goal is to enable	ving large amou ultaneous use of eas of expertise e students to fle	Specifically, we will deal with data unts of data efficiently in a of data efficiently in a of data among many users. We will a, such as designing for data exibly address data management in the field of expertise.		
Rubric									
			Ideal Level		Standard Level		Unacceptable Level		
Achievem	nent 1		and to store a	ow to model data and retrieve large ata efficiently in a d can design a	Understand how and to store an amounts of data computer.	d retrieve large	model data and to store and		
Achievem	ent 2		Can perform p database lang operate a sys	orogramming by Juage SQL and tem.	Understand pro database langu system.	gramming by age SQL and th	Do not understand programming with database language SQL, and the system.		
Assigne	d Depar	tment Ob	jectives						
Teachin	g Metho	od							
Outline Style		manage how it is The lectu (databas Classes a	vailable for long-term, stable use by understanding the widely used database system as a way to ge data independently. In this course, students will learn what data is, what the database manage is implemented. ctures will be conducted by a teacher who engaged in the research and development of middlewa ase) at Hitachi, Ltd. Research & Development Headquarters for five years.						
Notice		and algo	rithms is desirab	student to master ble. or more of classes v	•		uage. Knowledge of data structures grade.		
Charact	eristics	of Class /	Division in Le	earning					
☑ Active	Learning		☑ Aided by I	СТ	☑ Applicable to	e to Remote Class Instructor Professionally Experienced			
Course	Plan								
			Theme			Goals			
		1st	Outline of the da	atabase		academic use a	role of the database, the nd the business use of the I the significance and application of		
		2nd	Basic theories fo	or databases			sic theories for databases, such as perations, tuples, and relations of		
		3rd	Relational data r	onal data model and relational algebra			relational data model, which is utilized by RDBMS, and the ra for data manipulation.		
2nd	3rd Quarter	4th	SQL(1)			Understand the basics of SQL, the language in the general use of RDBMS. Understand busage of SQL including data registration, deand update of relations, and simple queries			
Semeste		5th	SQL(2)			Can write SQL, general usage of statement that	a language that is used for of RDBMS. Understand the select queries in SQL.		
		6th	Internal configui	figuration of the RDBMS		the indexes, wh	internal structure of RDBMS and nich are the mechanisms for quick ata of interest from a large amount		
		7th	Query optimizati	ion		Understand que generate execu queries.	ery optimization in RDBMS to tion plans for executing SQL		
		8th	Midterm exam			Midterm exam			
	4th Quarter	9th	Normalization			Understand possible data inconsistencies when updating relationships and the normalization of the relationships as the solution.			

		10th	Data Modeling			determining th	ata modeling, and database in appropriate of organizing database and d	work to determine the real world, data structure by a items, and .		
		11th	SQL(3)			Can write SQL general usage advanced sele	Can write SQL, a language that is used for general usage of RDBMS. Understand the advanced select statement for SQL queries.			
		12th	Transaction and	concurrency cont	rol	in which an ap	Understand the concept of transactions, the units in which an application accesses a database, and the basic theory for successful execution of multiple transactions.			
		13th	NoSQL database	s and big data (1))	developed to h	Understand the basics of NoSQL, a new database developed to handle big data. Understand NoSQL in general and the data model and execution control theory to handle big data.			
		14th	NoSQL database	NoSQL databases and big data (2)			Learn the basics of NoSQL, a new database developed to handle big data. Understand parallel distributed processing techniques for large data and distributed processing techniques on NoSQL.			
		15th	Using RDBMS fro	m programs				1S from programs ming language.		
		16th	Final exam			Final exam				
Evaluati	on Me	ethod and	Weight (%)							
		Examination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total		
Subtotal		60	0 0 0			40	0	100		
Basic Proficience	у	0	0 0 0			0	0	0		
Specialize Proficience		60	0 0			40	0	100		
Cross Are Proficience		0	0	0	0	0	0	0		

Akashi College Course Information		Yea	r	2024			ourse Title	Artificial Intelligence	
Course	Informa	tion			•		•		
Course Co	ode	6526				Course Categor	ry	Specialize	ed / Compulsory
Class For	mat	Lecture				Credits		School Cr	edit: 1
Departme	ent	Compute	and Comput r Engineerin			Student Grade		5th	
Term Textbook	and/or	Second S	emester			Classes per We	ek	2	
Teaching	Matérials	NATI ID A 10							
Instructor		MIURA K	inya						
(1) Under (2) Under	Objective retains the retains	methods of various kno	search and wledge expr	apply	them to various ons and the reasor arning on them.	problems. ning methods tha	at use	them.	
Rubric	Staria rica	rai ricework.	s and macmi	ic ic	diffing on them.				
Rubiic			Ideal Leve	اد		Standard Level			Unacceptable Level
Achievem	Fully unde			rstar hnig	nd and apply ues to a variety	Generally unde techniques and to a number of	rstand can a	oply them	Do not understand the search technique and cannot apply it to problems.
Achievem	Fully understand and can Generally understand				rstand ious kn d the r	and can lowledge easoning	Do not fully understand and cannot explain the various knowledge expressions and reasoning methods that use them.		
Achievem	Fully understand and can Generally und				ural net	tworks and	Do not understand enough about neural networks and machine learning on them, and cannot explain them.		
Assigne	d Depar	tment Ob	ent Objectives						
Teachin	g Metho	d	ient objectives						
Outline		Describe search te machine	Describe the basic concepts and techniques of artificial intelligence. In particular, the focus will be search techniques and their use to solve problems, knowledge expressions and their use, neural numbers in machine learning on them.					ular, the focus will be on various nd their use, neural networks and	
Style		The lecturequired.	re is mainly Also, tasks	base will b	ed on the content operations	of textbook, but propriate. The co	should Intact	l be supple person is Y	emented with handouts if 'ukihiro Hamada.
Notice		Data Stru since it is amount t standard	acture and A necessary to o 90 hours of self-study ti	lgorit to ha of stu me r	thms. Also, it is de ve an algorithmic	esirable for stude understanding o hours include th udy / review, an	ents to of vario ne lear od com	have acquus method ning time pleting ass	sses Discrete Mathematics and vired any programming language, is. This course's content will guaranteed in classes and the signment reports.
Charact	eristics o	of Class /	Division in	า Le	arning	_			
	Learning	•	☑ Aided b			☐ Applicable t	to Remote Class		☐ Instructor Professionally Experienced
Course	Plan								
		-	Theme				Goals		
		1st	Artificial intel	lliger	ice overview		Can ex resear intellig	kplain outli ch by view Jence rese	ine of artificial intelligence ving the history of artificial arch from several perspectives.
		2nd F	Problem solv	oblem solving and search			search	i. Understa ntal search	olem solving as state space and the steps of vertical and ning and apply them to problem
		3rd l	_imited bran	ch se	earch				cost-aware search and can find using the limited branch search.
	4th Heuristic search			Under	stand and to the goal	conduct search using estimated (heuristic search).			
2nd Semeste r 3rd Quarter 5th		5th	Search for And/Or graphs				breaki explor And/O solving	ng method ation by tw or graphs a g.	problem-solving by problem- ds and game-state-space wo-person becomes a search for and can apply it to problem-
		6th	Knowledge re	epres	sentation using pr	edicate logic	Under logical knowle	expressio	syntax of predicate logic and use ns to express propositional
-	7th	Proof system	bas	ed on the fusion p	orinciple	lone of	the stand	proof system based on the n and the secular form, which is ard forms of predicate logic, and ductive and proving using it.	
			Midterm exai It is given du		class				
	4th Quarter	9th	Production sy	yster	n			stand and	can explain the basic operation of

		10th	Semantic netw	ork and frame		representation	nd can explain land simple reavork. Also, unde ledge represent	knowledge asoning using a erstand and can cation using a frame.		
		11th	Perceptron			Understand the can explain the perceptron.	ne basic operation and	on of neurocells and d learning of the		
		12th	Backpropagation	ackpropagation			Conceptually understand and can explain the learning by backwards propagation of errors in a feed-forward network.			
		13th	Auto encoder	uto encoder			nd can explain l g units) work an networks using	now auto-encoders ad the pre-learning of auto-encoders.		
		14th	Recurrent neur	Recurrent neural network		Conceptually behavior of th	Conceptually understand and can explain the behavior of the recurrent neural network and its special case of the Hopfield Network .			
		15th	Other neural n	Other neural networks		Understand o examples of convolutional	Understand outline and can explain some examples of other neural networks including a convolutional neural network.			
		16th	Final exam							
Evaluati	on Me	thod and	Weight (%)							
	E	Examination	Task	Mutual Evaluations between students	Behavior	Portfolio	Other	Total		
Subtotal	8	30	20	0	0	0	0	100		
Basic Proficienc	y)	0	0	0	0	0	0		
Specialize Proficienc		30	20	0	0	0	0	100		
Cross Are Proficienc)	0	0	0	0	0	0		

А	.kashi Co	ollege		Year	202	24			Course Title	Experiments of Computer Engineering II	
Course	Informa	tion									
Course Co	ode	6527					Course Catego	ry	Specializ	ed / Compulsory	
Class For	mat	Experime					Credits		School C	Credit: 2	
Departme	ent	Electrical	l and C	Computer E neering Co	Engine	ering	Student Grade		5th		
Term		First Sen			, u. 50		Classes per Week 4				
Textbook											
Teaching Instructor		HAMADA	\ Vukih	viro							
	Objectiv		4 TUKII	III O							
The goal group bas The speci [1] To cr [2] To cr [3] To cr [4] Give	of this cousis. fic goals a eate and peate an	rse is to en re as follow present the present soft present the present mer	/s: require tware e softwa mber o	ements doo external and are. of the team	cumer Id inte	nt for the sof rnal design d	tware that is go locuments.	ing to	o be develo	ped. stage of software development.	
Rubric											
			Idea	al Level			Standard Level			Unacceptable Level	
Achievem	ent 1		pres defi soft	correctly of sent the reconstruction documents in the construction documents in the construction	quirer ument	nent for the	Can create and requirement de document for t is going to be c	efiniti he so	on oftware tha	Cannot create or present the requirement definition document for the software that is going to be developed.	
Achievem	ent 2	Can correctly create and present software external and internal design documents.		ternal and	Can create and software exterr design docume	nal ar		Cannot create or present software external and internal design documents.			
Achievem	ent 3		Can	correctly o	create oftware	and e designed.	Can create and software design		sent the	Cannot create or present the software designed.	
Achievem	ent 4		leac effe duri dev give divis	Every member of the team can lead the development process effectively by being a leader during any stage of software development. In addition, can give correct direction in the division of submission document and the presentation slide creation and check progress.		Every member lead the develop being a lead stage of softwar In addition, car the division of submission doc presentation sl progress.	opme ler du are de n give roles cume	nt process uring any evelopment e direction in creating nt and the	process by being a leader during any stage of software		
	<u>d Depar</u> g Metho	tment Ob	ojectiv	ves							
Outline	g Metho	In an enthrough program into tean	ming, ns and	and testing I develop a	g, thei softw	pically develonents definition a community of the communi	nd maintenance	of mosign,	ultiple mem internal de he software	nbers. Software development goes sign, program design, e. In this course, students will split	
Style				f three to f		h a tanna av		سامان	alia waanan	sibility for their part. The presures	
Notice		of the sh Assignments	nared t nents m s who i	ask should nust be sub miss 1/3 or	be re omitte r more	ported each d by due dat e of classes v	week in the tear e. vill not be eligibl	m an e for	d tackle an evaluation	sibility for their part. The progress y barriers with the entire team.	
Charact	eristics (of Class /	Divis	sion in Le	earnii	ng	Τ				
☑ Active	Learning		☑ A	Aided by IC	СТ		☐ Applicable t	o Re	mote Class	☐ Instructor Professionally Experienced	
Course	Plan										
			Theme	e				Goal			
				nce and Region 1 of 3	quirer	ments analys	is and	sche	edule. Can sess, and ca	e team, issues to work on, and explain the software development an analyze and define the f the software to be developed.	
		2nd	Requir	ements an	nalysis	and definition	n 2 of 3	softv	ware to be		
1st Semeste	1st Quarter	3rd	Requir	ements an	nalysis	and definition	n 3 of 3	the !	software th	equirement definition document for at is going to be developed and as es for presentation.	
r'	2		Publica docum		e requ	irement defir	nition	Can	present the	e requirement definition document to that is going to be developed.	
		5th	Extern	al and inte	ernal d	lesign 1 of 2		soft	ware that is	sternal and internal design of the going to be developed.	
		6th	Extern	al and inte	ernal d	lesign 1 of 2		ldocι	uments for	ernal and internal design the software that is going to be rell as the slides for presentation.	

		7th	Publication of documents	f external and	internal design		Can pi docum develo	resent the extendents for the sopped.	rnal and internations	al design going to be		
		8th	Program Des	gram Design				Can modify the data flow diagram of the software development and can design the program as needed.				
		9th	Programming	Programming 2 of 5			Can pi develo	rogram the soft	ware that is go	oing to be		
		10th	Programming				Can pi develo	rogram the soft	ware that is go	oing to be		
		11th	Programming				Can pi develo	rogram the soft	ware that is go	oing to be		
	2nd	12th	Programming	Programming 4 of 5			Can pi develo	rogram the soft	ware that is go	oing to be		
	Quarter	13th	Programming	5 of 5			Can program the software that is going to be developed.					
		14th	Testing, rem	ediation and d	ation and documentation		Can test the software and modify as necessary. In addition, can create user manuals to prepare for presentations and demonstrations.					
		15th	Software pre	sentation and	demonstration		Can present and demonstrate the software developed.					
		16th	No final exan	nination								
Evaluati	on Met	hod and	Weight (%)									
	def	quirement inition cument	Presentation1	External • Internal design document	Presentation2	Userma	anual	Presentation3	Demonstratio n	Total		
Subtotal	15		15	15	15	15		10	15	100		
Basic Proficience	y 0		0	0	0	0		0	0	0		
Specialize Proficience			15	15	15	15		10	15	100		
Cross Are Proficience			0	0	0	0		0	0	0		

А	kashi Co	ollege	Year	2024		Course Title	Fundamentals of Communication Systems
Course	Informa	tion			_		
Course Co	ode	6528			Course Categor	ry Specializ	red / Elective
Class Forr	mat	Lecture			Credits	Academ	ic Credit: 2
Departme	ent	Computer	and Computer I Engineering Co		Student Grade	5th	
Term		First Sem	ester		Classes per We	ek 2	
Textbook Teaching	Matérials	教科書:植	松友彦、松本隆	太郎「基本を学ぶ通	信工学」オーム社		
Instructor							
	Objectiv						
1) 通信シアン 通信シアン 通信シア	ステムを理f ステムにおし	ける簡単な信号	「g る。 必要な数学的準備 号処理システムを 売的学習能力を得	や基礎的な信号処理 設計できる. 浸る.	理論について理解し	ノ, 解析できる.	
Rubric							
			理想的な到達レ	ベルの目安	標準的な到達レイ	ベルの目安	未到達レベルの目安
評価項目1			要な数学的準備	理解するために必 や基礎的な信号処 確に理解し,解析	要な数学的準備や	里解するために必 や基礎的な信号処 解し,解析できる	世にン人ナムで生所するために必
評価項目2				おける信号処理方 確に説明できる.	式を理解し,説明		式を理解し、説明できない.
評価項目3 Assigned Department Obj		必要数の課題レ 成できる.	ポートを正確に作	必要数の課題レ7 る.	ポートを作成でき	必要数の課題レポートを作成でき ない.	
Assigned Department Obj		ectives					
Teachin	g Metho	d					
Outline	本授業では通信			理解するために必要 科目である「通信方:	な基礎項目および 式」と組となる科	簡単なアナログ通 目であるため, 本	殖信システムについて解説する. 科目 科目と「通信方式」の両科目の受講
Style		通信システ な課題を出 連絡員:大	す。自己学習が	コグ変復調方式に重 重要な科目であるの	点を置いて、教科 で、予習復習をし	書・スライドを用 っかりやりながら	引いながら解説していく。各回で簡単 3取り組むこと。
Notice		る学習内容	である.	学習時間と,予習・ 件(割合)>1/3以上		必要な標準的な自	日己学習時間の総計が90時間に相当す
Charact	eristics o	of Class / I	Division in Le	earning			
□ Active		,	☐ Aided by I		☑ Applicable to	o Remote Class	☐ Instructor Professionally Experienced
Course	Plan						
		Т	heme			Goals	
		1st 道	算入 通信システムの基 3。	本構成と本授業の位	置付けを説明す	通信システムにで て説明できる。	ついて説明できる。変調の役割につい
		2nd 道	⁷ ナログ信号処理 通信システムを学 -リエ変換等を解	のための数学(1) ぶための数学的基礎 説する。	として必要なフ	フーリエ級数展開	開の定義を理解して説明できる。
		3rd 道		のための数学(2) ぶための数学的基礎 説する。	として必要なフ	実際に、フーリュ	I 級数展開ができるようになる。
	1st Quarter	4th 道		のための数学(3) ぶための数学的基礎 説する。	として必要なフ	フーリエ変換・ <u>?</u> 、実際にフーリ <u>-</u>	フーリエ逆変換の定義や性質を理解し L変換できるようになる。
1st Semeste		5th オ		デルとフィルタ システムのモデルを フィルタを説明する		システムのモデル役割を説明できる	レを理解して説明できる。フィルタの る。
r		6th 图	蝙変調方式(1) 短調の役割や意義 悪要を説明する。	について説明する。	振幅変調方式の	各変調方式の役割 の概要を説明でる	割について説明できる。振幅変調方式 きる。
			、幅変調方式(2) 、幅変調とその復	調について説明する	•	振幅変調方式の変	変調方法と復調方法を説明できる。
		8th 折	議幅変調方式(3) 議幅変調方式の改	良について説明する	•	DSB、SSB方式(こついて概要を説明できる。
		9th	図習・小テスト(stQで学んだこと	1) :を振り返る。小テス	くトを実施する。	小テストで60%	以上を取得する。
	2nd Quarter	10th 位	自度変調方式(1) 対相変調と周波数 有帯域幅につい	変調の概略を説明し	、周波数変調の	位相変調と周波数	数変調の性質を説明できる。
		11th 角	自度変調方式(2) 引波数変調とその	復調について説明す	·る。	周波数変調方式の	D変調方法と復調方法を説明できる。

		12th	パルス変調 アナログ信号処理とディジタル信 て説明する。パルス振幅変調と標 説する。	号処理の違いについ 本化定理について解	パルス振幅変調と	票本化定理について説明できる。	
		13th	パルス符号変調(1) パルス符号変調について解説する	00	パルス符号変調にて	ついて説明できる。	
		14th	パルス符号変調(2) パルス符号変調(PCM)の復号と ついて解説する。	:PCMにおける雑音に	パルス符号変調の復号と雑音について説明できる。		
			復習・小テスト(2) 移動通信システムの発展の歴史を った変調方式を振り返ると共に、 うディジタル変調技術を簡単に紹 実施する。	題材に、本講義で扱 後期の通信方式で扱 合介する。小テストを	小テストで60%以上を取得する。		
		16th					
Evaluation	aluation Method and Weight (Veight (%)				
			小テスト (2回)	課題		Total	
Subtotal			50	50		100	
基礎的能力	基礎的能力 0		0		0		
専門的能力	専門的能力 50		50		100		
分野横断的	能力		0	0		0	

	Akashi Co	ollege	Year	2024		Course Title	Communication System		
Course	Informa	tion				i			
Course C	ode	6529			Course Categor	y Specializ	ed / Elective		
Class For	mat	Lecture			Credits	School C	redit: 1		
Departme	ent	Electrical	and Computer E Engineering Co	Engineering	Student Grade	5th			
Term		Second Se		74130	Classes per Week 2				
Textbook	and/or Materials	教科書:植		太郎「基本を学ぶ通	・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・	,			
Instructo	r								
Course	Objectiv	es							
1)アナ[2)各種	コグ・ディミ ディジタルダ	S調方式の原理 かんりょう かんかん かんかん かんかん かんかん かんかん かんかん かんかん かん	くテムおよびその? 惺、特徴について ³	基本的な構成要素に 理解する。 徴について理解する					
Rubric			T		T		1		
			理想的な到達レ		標準的な到達レイ		未到達レベルの目安		
評価項目1	1			ジタル通信システ 本的な構成要素に 明できる.	アナログ・ディミムおよびその基本 ついて説明できる	▶的な構成要素に	アナログ・ディジタル通信システムおよびその基本的な構成要素について説明できない.		
評価項目2	2		各種ディジタル変調方式の原理,特 徴について正確に説明できる. 徴について説明できる.			変調方式の原理,特			
評価項目3	3	多重通信方式、スペクトル拡散変調の原理、特徴について正確に説明の原理、特徴について正確に説調の原理、特徴について正確に説明できる。			スペクトル拡散変 こついて説明でき	多重通信方式、スペクトル拡散変 調の原理、特徴について説明でき ない。			
Assigne	ed Depar	tment Obj	ectives	ctives					
	ng Metho								
Outline	<u> </u>	本講義では	^て理解することを	ィジタル通信システ. を目標とする. また.	ムについて解説する 現代社会の通信:	る. 各種変調方式 システムで使われ	を用いて情報伝送を行うための基礎 ている変調技術を幅広く知ることを		
Style		アナログ通	信に加え、デジタ	タル通信の変復調方で、予習復習をしつ。 で、予習復習をしつ。	式に重点を置いて、 かりやりながら取り	 , 教科書・スライ り組むこと。	ドを用いながら解説していく。自己		
Notice		また、現代	社会の通信システ	ィジタル通信システ. を目標とする. テムで使われている 牛 (割合) >1/3以上	変調技術を幅広くタ	る. 各種変調方式 知ることを目標と	を用いて情報伝送を行うための基礎 する。		
Charact	teristics o	of Class / I							
□ Λ ~±:.			Division in Le	earning	-				
□ ACTIVE	e Learning		☐ Aided by I		☑ Applicable to	o Remote Class	☐ Instructor Professionally Experienced		
						o Remote Class	☐ Instructor Professionally Experienced		
						Remote Class	☐ Instructor Professionally Experienced		
		T 和 1st 才	□ Aided by Id Theme		☑ Applicable to	Goals	□ Instructor Professionally Experienced □ Specific Sp		
		T 1st 本 E 2nd 通	□ Aided by Id Theme	を行い、基礎通信工 がる雑音の取り扱い	☑ Applicable to 学で学習した項 において重要な	Goals 基礎通信工学での	Experienced		
Course		T 1st 基 是 2nd 道 统	□ Aided by Id Theme In Aided by Id Theme In Aided by Id	を行い、基礎通信工 を行い、基礎通信工 ける雑音の取り扱い 過程について説明す	☑ Applicable to 学で学習した項 において重要なる。	Goals 基礎通信工学での 確率過程についる	Experienced		
	Plan	T 1st 本 E 2nd 说 3rd 帮 4th 帮	□ Aided by Identification Theme	を行い、基礎通信工 ける雑音の取り扱い 過程について説明す 性 振幅変調方式のふる	☑ Applicable to 学で学習した項 において重要な る。 まいを説明する	Goals 基礎通信工学での 確率過程について 復調信号の信号電式別に説明できる	Experienced		
	Plan	T 1st 基本 2nd 说说 3rd 新 4th 常	Aided by Identification Aided by Identifica	を行い、基礎通信工 ける雑音の取り扱い過程について説明す性 性振幅変調方式のふる 特性 間波数変調方式のふる 1) はる雑音について振	☑ Applicable to 学で学習した項 において重要なる。 まいを説明する るまいを説明す り返る。簡単な	Goals 基礎通信工学での 確率過程についる 復調信号の信号で 式別に説明できる	Experienced Experienced Experienced D学習したことの概要を説明できる。 基本的概念を説明できる。 国力対雑音比について、各振幅変調がる。 こおける復調信号の信号電力対雑音比		
Course 2nd Semeste	Plan	T 1st 基本 2nd 通纸 3rd 新 4th 第 5th — 7	□ Aided by Io A	を行い、基礎通信工 ける雑音の取り扱い 過程について説明す 性 性に変調方式のふる 特性 間波数変調方式のふ 1) ける雑音について振 ける、各変調方式の 実施する。	☑ Applicable to 学で学習した項 において重要な る。 まいを説明する るまいを説明す り返る。簡単な ふるまいを確認	Goals 基礎通信工学での 確率過程について 復調信号の信号 式別に説明できる 周波数変調方式(を説明できる。 小テストで60%	Experienced Experienced Experienced D学習したことの概要を説明できる。 基本的概念を説明できる。 B力対雑音比について、各振幅変調がる。 こおける復調信号の信号電力対雑音比		
Course 2nd	Plan	T	□ Aided by Identification 「heme in the and a property of the angle of the angle	を行い、基礎通信工 ける雑音の取り扱い過程について説明す性 性振幅変調方式のふる 特性 間波数変調方式のふ 1) はる雑音について振り し実施する。 雑音特性 おける雑音の制御に	☑ Applicable to 学で学習した項 において重要な る。 まいを説明する るまいを説明す り返る。簡単な ふるまいを確認 ついて説明する	Goals 基礎通信工学での確率過程について復調信号の信号を説明に説明できる。 小テストで60% ディジタル変調(Experienced		
Course 2nd Semeste	Plan	T ist	□ Aided by Idea in the series of the seri	を行い、基礎通信工 ける雑音の取り扱い過程について説明す性 性性振幅変調方式のふる 特性 間波数変調方式のふる 1)はるな変調方式のいてに りるでででいてでいた。 雑音特性 おける雑音の制御に タル変調(1) 関受信機について説	図 Applicable to 学習した項 において重要なる。 まいを説明する るまいを説明す り返るまいを確認 ついて説明する 明する。	Goals 基礎通信工学では 確率過程について 復調信号の信号で 式別に説明できる。 小テストで60% ディジタル変調に 通信システムの物	Experienced Experienced Experienced D学習したことの概要を説明できる。 「基本的概念を説明できる。 「基本的概念を説明できる。 「おける復調信号の信号電力対雑音」 以上を取得する。 「おける雑音について説明できる。 特性を解析でき、相関受信機による信		
Course 2nd Semeste	Plan	T 1st	□ Aided by Identification 「heme	を行い、基礎通信工 ける雑音の取り扱い 過性性 性性を調方式のふる 計はで調方式のふる はでで調方式のいて説明す 性性を変調方式のいて式の はででででいてでの はである。 はではできる。 はできる。 とでき。 とできる。 とできる。 とでき。 とでき。 とできる。 とでき。 とでき。 とでき。 とでき。 とでき。 とでき。 とでき。 とでき	図 Applicable to 学習した項 において重要なる。 まいを説明する るまいを説明する のぶるまいを説明す りぶるまいを説明す りがい ついて説明する のいて説明する。 ついて説明する	Goals 基礎通信工学での確率過程について復調信号の信号できる。 周波数変できる。 小テストで60% ディジタル変調に 通信システムを 現のできる。	Experienced Experienced Experienced D学習したことの概要を説明できる。 「基本的概念を説明できる。 「基本的概念を説明できる。 「おける復調信号の信号電力対雑音」 以上を取得する。 「おける雑音について説明できる。 特性を解析でき、相関受信機による信		

		11th	Orthogonal Frequency Multiplexing(OFDM) する。	/ Division 方式、OFDM方式について説	明 OFDM方式について説明で	ごきる。
		12th	多重通信方式 周波数分割多重(FDM) 分割多重(CDM)につい	、時分割多重(TDM)、符号 いて説明する。	号 多重通信について説明でき	きる。
		13th	移動通信システムと変調 移動通信システムの発展 った変調方式を振り返る	屡の歴史を題材に、本講義で扱	各変調方式がどのように依	赴われてきたかを知る。
		14th	通信システムにおける変世の中にある通信システ変調技術、通信技術が修 てまとめる。	変調技術(1) -ムを各自で調べ、どのような 使われているかをレポートとし	: 各自で興味を持った通信: ポートとしてまとめられる	ンステムについて調査し、レ 3。
		15th	通信システムにおける変各自が作成したレポート テムにおける変調技術の	፻調技術(2) ◇を読み合い、様々な通信シス ○使われ方を知る。	レポートを互いに読み合う ムに関する知識を吸収する	うことで、様々な通信システ
		16th				
Evaluation	on Meth	od and	d Weight (%)			
		1	小テスト	レポート	課題	Total
Subtotal		4	10	30	30	100
基礎的能力	·	()	0	0	0
専門的能力		4	10	30	30	100
分野横断的	能力	()	0	0	0

Akashi Coll	ege	Year	2024		Course Title	Control Engineering II
Course Information	on		•			
Course Code	6530			Course Category	Specialize	ed / Elective
Class Format	Lecture			Credits	School C	redit: 1
Department	Computer E	nd Computer Ei Engineering Cou		Student Grade	5th	
Term	Second Ser	nester		Classes per Week	2	
Textbook and/or Teaching Materials	LCA NAT N	1.				
Instructor	KAMI Yasus	shi				
Course Objectives The objectives of this 1. Can derive the tran 2. Can draw a polygor function from the poly 3. Can determine stat 4. Can find a stability 5. Can design PID cor 6. Can derive the disc	course are a usient resport nal line appragonal line a bility criteria margin. ntrol systems	nse of a system oximation of a pproximation o of open-loop s	Bode plot drawing of a Bode plot. ystems by using t	g from a transfer for	unction. Conve	ersely, can derive a transfer riterion methods.
Rubric						
		Ideal Level		Standard Level		Unacceptable Level
Achievement 1		Can calculate the control can calculate the capture transform partial fraction and completing	orm based on decomposition	Can calculate the Laplace transform partial fraction de	n based on	Cannot calculate the inverse Laplace transform.
Achievement 2		Can both draw approximation from a transfer derive a transfer	a polygonal line of a Bode plot	Can either draw a approximation of from a transfer fu derive a transfer a polygonal line a of a Bode plot.	a Bode plot inction, or function from	e Can neither draw a polygonal line approximation of a Bode plot from a transfer function, of derive a transfer function from a polygonal line approximation of a Bode plot
Achievement 3	1		f the Routh	Can determine th an open loop syst normal Routh sta methods.	em using the	Do not know how to use the Routh stability criterion metho
Achievement 4		Can determine an open loop s Hurwitz stabilit methods.	the stability of ystem using y criterion	Can derive a Hur	witz matrix.	Do not know how to use the Routh stability criterion metho
Achievement 5		Can find a stab indicate the ap in the frequenc	oility margin or to plicable location by response.	Can explain the d stability margin.	efinition of a	Cannot explain the definition o a stability margin.
Achievement 6		Can explain a r among control frequency perfo frequency reso compencetors.	specifications, ormances and	Can explain the rebetween control sand frequency pe	specifications	Cannot explain the relationship between control specifications and frequency performances.
Achievement 7			control systems esponse method.	Can explain an ou control system de response method	esign with step	Cannot explain an outline of PI control system design with ste response method.
Achievement 8		Can design PID with the limit s method	control systems ensitivity	Can explain an out control system de sensitivity method	esign with limit	Cannot explain an outline of PI control system design with lim sensitivity method
Achievement 9				Can derive a diffe approximation of derivative.		Do not know methods of difference approximation of derivative.
Assigned Departn	nent Obje	ctives				
Teaching Method						
Outline	refrigerator controls foll	s, have a autor lowing Control hod of PID con	matic control func Engineering I, suc	tion. In this cours	se, students w d Hurwitz stal	ding cars, air conditioners, and ill learn the basics of classical oility criterion methods and the esponse of control systems by
Style	control desi explain and	igns. In additio I demonstrate l	n, as an overall sunow to verify the r	ummary of the pre- response of a conti	vious study or rol svstem bas	pout stability margins and PID a control engineering, we will sed on a simulation. be exercises to review the
Notice	should actu calculations Students w	ally think and s s. Also, because ho miss 1/3 or	solve exercise prole there will be ma more of classes v	blems assigned as	appropriate the	d periodic exams. Therefore, the nemselves, to get used to doing nake efforts to finish them quickly rade.
Characteristics of	Class / D	ivision in Le	arning	T		1
Characteristics of				1	Remote Class	☐ Instructor Professionally

			Theme		Goals		
		1st	Introduction		Understand the o	outline of this course and know e study and objectives.	
		2nd	Laplace inverse transform			inverse Laplace transform based decomposition or completing	
		3rd	Calculation of transient response	alculation of transient response		responses, impulse responses, rerse Laplace transform.	
		4th	Equivalent transformation of Block	diagrams	Can transform co equivalent simple	e ones.	
	3rd Quarter	5th	Polygonal line approximation of a E	Bode plot 1	Can draw a Bode with a transfer fu of the primary ele	plot (gain plot) line for a system inction consisting of the product ement.	
		6th	Polygonal line approximation of a E	Bode plot 1	polygonal line ap plot)for a system	transfer function from the proximation of a Bode plot (gain with a transfer function product of the primary element.	
		7th	Stability margins		Can explain a sta Can explain wher in the frequency	e a stability margin is indicated	
2nd		8th	Hurwitz stability criterion method a stability criterion method	and Routh		ne stability using Hurwitz and tability criterion methods.	
Semeste		9th	Special cases of Routh stability crit	erion method	Can determine the of Routh stability	ne stability with the special cases criterion method.	
		10th	Loop shaping and compensator		Can explain the r	elationship between control d frequency performances.	
		11th	PID control		(transfer function Can explain the e Can explain the e	effect of P action.	
	4th Quarter	12th	How to design PID control systems	3	Can determine PID gain using the ultimate sensitivity method. Can determine the PID gain using the step response method.		
		13th	Discretization of the model		Can derive a discrete time model by differentiating the differential equations. Can find a solution of a differential equation, and derive a discrete time model using it.		
		14th	Control system design simulation e	exercise	control system by	to simulate the response of a y discretizing the model of the d the control device.	
		15th	Review		Review the conte of the semester.	ent of classes in the second half	
		16th					
Evaluat	ion Meth	od and	Weight (%)				
			Examination	Exercise		Total	
Subtotal			70	30		100	
Basic Prof	ficiency		0	0		0	
Specialize	d Proficier	псу	70	30		100	
Cross Are	a Proficier	псу	0	0		0	

А	kashi Co	llege	Year	2024		Course Title	Application of Electronics		
Course 1	Informat	ion	•						
Course Co	de	6531			Course Categor	y Specialize	d / Elective		
Class Forr	nat	Lecture			Credits	School Cre	edit: 1		
Departme	nt		and Computer Ei Engineering Cou		Student Grade	5th			
Term		Second Se	mester		Classes per Wee	ek 2			
Textbook Teaching		なし							
Instructor		OHMUKAI	Masato						
Course (
(2)電子が電子が電子が電子を表	電界や磁界を	こついて知る。 から受けるカロ 素分析をはじる 史と物理につい	こついて理解し、 カとする各種分析:	その応用について知 方法について知る。	1る。				
Rubric			1				1		
			理想的な到達レイ		標準的な到達レヘ		未到達レベルの目安		
評価項目 1 評価項目 2 評価項目 3 評価項目 4 Assigned Department Obje			電子の発見の歴9	史についてよく知	電子の発見の歴史 いる。	2について知って	電子の発見の歴史について知らな い。		
アレいる。 電子にかかる様々な力について定量的に説明でき、その応用についてよく知っている。 正素分析の手法について詳しく知っている。 評価項目 4 Assigned Department Objectives Teaching Method Dutling コリントムソンの陰極線の発見からリニア新幹線に				その応用につい	電子にかかる様々 性的に説明でき、 て知っている。	な力について定その応用につい	電子にかかる様々な力について説 明できず、その応用について知ら ない。		
				こついて詳しく知	元素分析の手法にる。	こついて知ってい	元素分析の手法について知らない。		
評価項目4 超伝導について詳細に知っている。				詳細に知っている	超伝導について知	ロ っている。	超伝導について知らない。		
Assigned Department Objectives									
Teachin	g Metho								
Outline		JJトムソン ら解説する	の陰極線の発見か 。	らリニア新幹線に応	が用されている超位	云導に至るまで、電	3子の各種応用について様々な観点か		
Style				を組み合わせて進め					
Notice		確認テスト 評価の対象	を50%、平素の学 としない欠席条件	学習状況等を50%の -(割合) 1/3以上のク	割合で総合的に評 <課	価する。			
Charact	eristics o	of Class / [Division in Lea	arning					
☑ Active	Learning		☑ Aided by IC	Т	☐ Applicable to	Remote Class	☐ Instructor Professionally Experienced		
Course	Plan	<u> </u>			1				
			neme			Goals 悪スペロの無力に	ついて1四名グナフ		
			子の発見	+ 7 +		電子発見の歴史に			
			子が電界から受け			電子が電界から受ける力を定量的に考察できる。 電子が磁界から受ける力について理解し、その応用を			
		3rd 電	子が磁界から受け 	ナる力 		知る。			
	24	4th 磁	界と電界が共存す	する時に受ける力		電界と磁界が共存 [・] ついて知る。	するときに受ける力の状況と応用に		
	3rd Quarter	5th 硝	認テスト			60点以上を取る。			
	_	6th	子の加速器			電界や磁界から受り 知る。	ける力の応用として加速器について		
		7th		対光と自由電子レー		シンクロトロン放!	財光と自由電子レーザーについて知 放出について知る。		
2nd Semeste r			・ 空管と空間電荷の				り、空間電荷制限電流の物理を理解		
		9th 速					構造と仕組について理解する。		
			認テスト			60点以上を取る。			
11th 電子顕微鏡				走査型電子顕微鏡 ついて知る。	と透過型電子顕微鏡の原理と特徴に				
4th Ougston 12th 元素分析の手法					トルミネッセンスなどの元素分析の				
Quarter 13th 超伝導					の性質及び応用について理解する。				
			·····································				物理、その発展について知る。		
			認テスト			60点以上を取る。			
		16th							
Evaluati	on Meth	od and We	eiaht (%)		'				
			確認テスト		平常点		Total		
Subtotal			50		50		100		
総合評価割]合		50		50		100		
基礎的能力			0		0		0		
専門的能力			0		0		0		

		1	
分野横断的能力	ln	ln	ln
ノノエバスはバルンはピノノ	10	10	10

Д	kashi Co	ollege	Year	2024		Course Title	Image Engineering			
Course	Informa	tion								
Course Co		6532			Course Category		ed / Elective			
Class For		Lecture	l and Computer E	Enginocring	Credits		Credit: 2			
Departme	ent		er Engineering Co		Student Grade	5th				
Term		Second 9	Semester		Classes per Wee	k 2				
Textbook Teaching		利用しな	い。適宜資料を配	布する。						
Instructo	r	HIRANO	Masatsugu							
	Objectiv									
(3) 各種の)画像符号((1の概要と特征	適用例を理解する。 像符号化技術が必 徴を理解する。 画像符号化技術の§	。 要とされる理由を理 実際を理解する。	解する。					
Rubric										
			理想的な到達レ		標準的な到達レベ		未到達レベルの目安			
評価項目1			画像符号化技術 例を十分に説明	iの応用範囲・適用 iできる。	画像符号化技術の 例を説明できる。	心用範囲・適用	画像符号化技術の応用範囲・適用 例を説明できない。			
評価項目2			画像情報の性質 号化技術が必要 確に説明できる	を理解し、画像符とされる理由を的。。	画像情報の性質を 号化技術が必要と 明できる。	理解し、画像符 される理由を説	画像情報の性質、画像符号化技術 が必要とされる理由を説明できな い。			
評価項目3			具体的に説明で		各種の画像符号化 説明できる。	の概要と特徴を	各種の画像符号化の概要と特徴を 説明できない。			
評価項目4		基本的な画像処理技術およ 符号化技術の実際を的確に きる。			基本的な画像処理 符号化技術の実際	技術および画像を説明できる。	基本的な画像処理技術および画像 符号化技術の実際を説明できない 。			
Assigne	d Depar	tment Ob	ojectives							
Teachin	g Metho	od								
Outline		いて講義 (画像符号 いて講義 る。	形式で授業を行う。 引化あるいは画像圧 を行う。さらに、行	ものである。ディジ 縮)は必須である。 行列演算ソフトなど	タル情報としての画 本講義では画像情報 を利用した課題を行	「像を扱う場合、 の性質を簡単に うことによって	報の性質、各種画像符号化方式につ そのデータ量を削減するための技術 説明した後、各種画像符号化方式につ 講義で学んだ知識を確実なものとす 間に3~4つの課題を課す。課題につ			
Style		いては、	指定された処理を征	定された処理を行うプログラムを作成する内容であるので、あらかじめ課題で使うことのできるアプリケー 明を行う。						
Notice		本科目は 90時間に 出が必須 評価の対	、授業で保証する ⁵ 相当する学習内容 である。課題はプロ 象としない欠席条	である。学修単位で ログラミングなので 件(割合) 1/3以上の	であり、半期の間に3 、プログラムの経験	- 卜作成に必要な 〜4の課題を課す があることが望	標準的な自己学習時間の総計が、 「。単位の習得にはすべての課題の提 ましい(言語は問わない)。			
Charact	eristics	of Class /	Division in Le	earning	1					
☐ Active	Learning		☑ Aided by I	CT	☑ Applicable to	Remote Class	☐ Instructor Professionally Experienced			
Course	Plan									
254136			Theme		0	Goals				
		1st	画像情報の性質		=	ディジタル化され つといわれる。 相 いうことが起きる	た画像情報は一般に強い相関性を持 関性とは何か、相関性が強いとどう のかについて説明できる。			
		2nd	Octaveでの画像処	L理(1)			用いるPythonの利用方法を理解する			
		3rd	Octaveでの画像処	<u>1</u> 理(2)		•	果題として出される処理ができる。			
	3rd	4th	エントロピー符号	化 (1)		≦種符号化におい −符号化の考え方	rで併用されることの多いエントロピ fを説明できる。			
	Quarter	5th	エントロピー符号	化 (2)	_ 	エントロピー符号 号化、算術符号化	化の代表的な手法としてHuffman符 の概要を説明できる。			
2nd	6t		予測符号化(1)		L	ハて、その原理が				
Semeste		7th	予測符号化(2)			予測符号化の特徴について説明し、欠点を補う方法等 について説明できる。				
r		8th	中間試験							
	9t		変換符号化(1)		13	変換符号化の考え 流である二次元離 て説明できる。	方を説明し、現在の画像符号化の主 散コサイン変換(DCT)の概要につい			
		10th	変換符号化(2)			OCTをベースとし 说明できる。	た画像符号化法であるJPEGについて			
	4th Quarter	11th	ウエーブレット変	—— —— 换			代方式として注目されているウエー いて概要を説明できる。			
	Quarter		ベクトル量子化(スカラー量子化の拡張であるベクトル量子化について 概要が説明できる。			
		12th		1)			。)性能、設計手法および課題について			

	14th	その他の画像符号	号化		その他の画像符号化、階層	その他の画像符号化としてブロックトランケーション 符号化、階層的符号化等の概要を説明できる。			
	15th	動画像符号化			各種動画像符	各種動画像符号化方式について概要を説明できる。			
	16th	期末試験							
Evaluation Method and Weight (%)									
	試験	発表	相互評価	態度	課題	その他	Total		
Subtotal	70	0	0	0	30	0	100		
基礎的能力	0	0	0	0	0	0	0		
専門的能力	70	0	0	0	30	0	100		
分野横断的能力	0	0	0	0	0	0	0		

Akashi College				Year	2024		Course Title	Qualifications in Computer Engineering I			
Course Information											
Course Code 6533 Course Category Specialized / Elective											
Class Forr		その他						School Credit: 1			
			al and Computer Engineering er Engineering Course			Student Grade	5th				
						Classes per We	ek 1	k 1			
Textbook and/or Teaching Materials											
Instructor TSUCHIDA Takayuki											
Course Objectives											
Information	The goal is to pass a certification exam by an external organization on the contents of information technology. If students pass any of the following qualifications, they will be eligible for credit certification. Information Technology Engineer Examination: Applied Information Technology Engineers In addition, the evaluation is passed or failed, and no evaluation is performed by score.										
Rubric			Ideal Level Standard Level			Standard Level	Line coopteble Level				
Assigna	d Donar	tmont Oh	1			Standard Level		Unacceptable Level			
		tment Ob	Jeci	uves							
reacnin	g Metho				1	1. 1.		6.16			
Outline		an exteri	nal o anate	organization as ed external ce	s results of the sti	udy in the field of they will be awa	of information	of the certification exams held by technology. If students pass any of dit by completing certain procedures			
Style		This is se	elf-st	udy for certifi	ication exams, an	d there will be n	o lecture.				
Notice		after the	cate of passing or proof of passing is required for cree a winter holidays and up to the date specified by the abmitted within this period, the credit will not be applications for missing classes that will not be eligible for a			specified by the	Academic Afforoved, Keep	dit approval, and the application period shall be Academic Affairs Office. If a certifying document roved. Keep the deadline.			
Charact	eristics o	_		vision in Lea		<u>_</u>					
		or Class /					☐ Instructor Professionally				
☐ Active Learning ☐ Aided by ICT ☐ Applicable to Remote Class ☐ Experienced							Experienced				
Course	Dlan										
Course	i iuii		Ther	me			Goals				
			Self-study					certification exams (no lecture)			
	1st Quarter		Same as above				Same as above	` '			
		3rd	Same as above				Same as abov				
		4th	Same as above				Same as abov	ve			
		5th	Same as above				Same as abov	ve			
		6th	Sam	e as above			Same as abov	ve			
		7th	Sam	e as above			Same as above				
1st Semeste		8th	Same as above				Same as above				
r	2nd Quarter		Same as above				Same as above				
			Same as above				Same as abov				
			Same as above				Same as above				
			Same as above				Same as abov				
			Same as above				Same as abov				
			Same as above				Same as above				
			Same as above				Same as above				
			No final exam Self-study				Self-study for certification exams (no lecture)				
				•		Same as above					
			Same as above				Same as above				
	3rd		Same as above				Same as above				
	Quarter		Same as above				Same as above				
	_		Same as above				Same as above				
		7th	Same as above				Same as above				
		8th	Same as above				Same as above				
	4th Quarter	9th	Same as above				Same as above				
		10th	Same as above				Same as above				
				e as above			Same as above				
				e as above			Same as above				
			Same as above				Same as above				
				e as above			Same as above				
				e as above			Same as above				
		16th	No final exam					ve			

Evaluation Method and Weight (%)									
	Examination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total		
Subtotal	0	0	0	0	0	100	100		
Basic Proficiency	0	0	0	0	0	0	0		
Specialized Proficiency	0	0	0	0	0	100	100		
Cross Area Proficiency	0	0	0	0	0	0	0		

Akashi College		Year	2024		Course Title	Qualifications in Computer Engineering II			
Course :	Informat	tion							
Course Co	ode	6534			Course Categor	y Specia	Specialized / Elective		
Class Forr	nat	その他	その他			<i>'</i>	Credit: 1		
			nd Computer Er Engineering Cou		Student Grade	5th			
Term Year-round (Classes per We	ek 1	1		
Textbook Teaching									
Instructor	•	TSUCHIDA	Takayuki						
Course	Objectiv	es							
students p Information If student Qualificati	pass the foot on Techno is have obt ons I, the	ollowing qualit logy Engineer tained the equy will be gran	fications, they we Examination: S Uivalent of Infort ted one credit fo	ill be eligible for o pecialists (in eacl	credit certification In field), and Reg ons II they do no Information Qua	n. istered Inforn ot have the ed alifications I a	ents of information technology. If nation Security Specialist quivalent of Information and II.		
Rubric									
			Ideal Level		Standard Level		Unacceptable Level		
Assigne	d Depar	tment Obje	ectives						
Teachin	g Metho	d							
Outline	<u></u>	This course an externa the design by the dea	l organization as ated external ce dline specified b	s results of the str rtification exams, y the Student Ser	udy in the field of they will be awarvices Division.	of information	of the certification exams held by technology. If students pass any of dit by completing certain procedures		
Style				exams (no lecture					
Notice		after the w	vinter holidays a nitted within this	proof of passing is nd up to the date s period, the cred classes that will no	specified by the it will not be app	Academic Afforoved. Keep	and the application period shall be fairs Office. If a certifying document the deadline.		
Charact	eristics o	of Class / D	Division in Lea	arning					
☐ Active	Learning		☐ Aided by ICT ☐ Applicable to			Remote Class			
_									
Course	Plan	1							
			neme			Goals			
			elf-study				certification exams (no lecture)		
			me as above			Same as above			
		—	me as above			Same as abov			
	1st Quarter		me as above			Same as abov			
	Quarter		ime as above			Same as abov			
			ime as above			Same as abov			
1st			Same as above			Same as above			
Semeste			Same as above			Same as above Same as above			
r			ime as above			Same as above			
			me as above			Same as above			
	2nd Quarter		ime as above ime as above			Same as above			
			ame as above			Same as above			
			ame as above			Same as above			
			ame as above		Same as above				
			o final exam			Same as above			
		1	elf-study				certification exams (no lecture)		
			me as above			Same as above			
2nd Semeste r			me as above			Same as above			
	3rd		me as above				ame as above		
	Quarter		me as above			Same as abov			
			me as above			Same as above			
		7th Sa	me as above		Same as above				
		8th Sa	ame as above		Same as above				
		9th Sa	ime as above			Same as abov	ame as above		
		10th Sa	ime as above			Same as abov	ve		
	4th	11th Sa	ime as above			Same as abov	ame as above		
		12th Sa	ime as above			Same as abov	ve		
		13th Sa	ime as above			Same as abov	ve		
		14th Sa	me as above			ve			

	15th	Same as above			Same as above				
	16th	No final exam							
Evaluation Method and Weight (%)									
	Examination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total		
Subtotal	0	0	0	0	0	100	100		
Basic Proficiency	0	0	0	0	0	0	0		
Specialized Proficiency	0	0	0	0	0	100	100		
Cross Area Proficiency	0	0	0	0	0	0	0		