Ak	ash	i College		Electr	ical an eering	d Computer Year 2023	Year 2023			
De	epar	tment Goals		1	1	1				
	IFC					Class Hours per Week		Divisio		
e	ui 5	Course Title	Cours e	Credit	Credit	Ist Year 2nd Year 3rd Year 4th Year 5th Year	instru	n in		
ory	' '		Code	туре	S	1 2 3 4 1 2 3	JUT	ng		
-										
Ge	m			School			ΓANG			
ral	pu Iso	Japanese I-1	5101	Credit	1		<u>-</u> Atsuko			
-	ry									
Ge	m	Janango I Q	E102	School	4		TANG			
ral	lso	Japanese 1-2	5102	Credit			- Atsuko			
	ry Co									
Ge	m	History-1	5103	School	1		ARAK AWA			
ral	Iso		5105	Credit	1		-lirono ri			
	Co									
Ge	m pu	History-2	5104	School	1		AWA			
ral	lso	,		Credit			irono i			
	Co									
Ge	m pu	Mathematics I A-1	5105	School	2		TAKAT			
ral	lso ry			Creat			- 15d0			
6	Со									
ne	pu	Mathematics I A-2	5106	School Credit	2		FAKAT A Isao			
ral	lso ry			o. ou.e		-	(louo			
	Co						DOMC			
ne	pu	Mathematics I B-1	5107	School Credit	1		4 Yasuhi			
	ry					r	0			
Ge	Co						DOMC			
ne	pu	Mathematics I B-2	5108	Credit	1		4 Yasuhi			
	ry					r I	.0			
Ge	Co m			School			TAKEU			
ne ral	pu Iso	Science I -1	5109	Credit	1		Masah			
-	ry					1	10			
Ge	m	с		School			TAKEU CHI			
ral	pu Iso	Science 1-2	5110	Credit	1		Masah			
-	ry						GOTO			
	Co						H H			
ne	pu	Physical Education I-1	5111	School Credit	1	2	uki,KO			
la	ry									
							<u>ruki</u> Goto			
Ge	Co					<u> </u>	H Takay			
ne	pu	Physical Education I-2	5112	School Credit	1					
	ry						Masa			
\vdash	Со						111			
Ge	m	English I A-1	5113	School	1		акімо Го			
ral	lso rv			Creat			Hiromi			
	Co									
Ge	m pu	English I A-2	5114	School Credit	1		λκιμο Γο			
ral	lso ry						Iromi			

Ge ne ral	Co m pu Iso ry	English I B-1	5115	School Credit	1	2	KITAG AWA Chiho
Ge ne ral	Co m pu Iso ry	English I B-2	5116	School Credit	1		KITAG AWA Chiho
Ge ne ral	Co m lso ry	Introduction to Active Learning	5117	School Credit	1	2	TAKED A Naho, HIRAN O Masat sugu, MIZU NO Yuki
Ge ne ral	Co m pu Iso ry	Introduction to Data Science	5118	School Credit	1	2	TSUC HIDA Takay uki,NO MURA Hayat o
Ge ne ral	Co m pu Iso ry	Exercise in Data Science	5119	School Credit	1		TSUC HIDA Takay uki,NO MURA Hayat o,ENO MOTO Ryuji
Ge ne ral	El ec tiv e	Music-1	5120	School Credit	1	2	IZUMI Yuka
Ge ne ral	El ec tiv e	Music-2	5121	School Credit	1	2	IZUMI Yuka
Ge ne ral	El ec tiv e	Art-1	5122	School Credit	1	2	OHNO Ryohei
Ge ne ral	El ec tiv e	Art-2	5123	School Credit	1		OHNO Ryohei
Ge ne ral	Co m pu Iso ry	Japanese I-1	5124	School Credit	3	6	KUBO TA Ikumi
Ge ne ral	Co m pu Iso ry	Japanese I-2	5125	School Credit	2		KUBO TA Ikumi
Ge ne ral	Co m pu Iso ry	Japanese Culture and Society	5126	School Credit	1	2	KUBO TA Ikumi
Sp eci ali ze d	Co m pu Iso ry	Literacy for Disaster Risk Reduction	5127	School Credit	1		MOTO ZUKA Tomok i,YEGA NE GHEZ ELLOO
Sp eci ali ze d	Co m pu Iso ry	Electric Circuits I	5128	Acade mic Credit	2		OHMU KAI Masat o
Sp eci ali ze d	Co m pu Iso ry	Computer Programming I	5129	Acade mic Credit	2		HIRAN O Masat sugu

Sp eci ali ze d	Co m pu Iso ry	Computer Literacy A	5130	School Credit	1	2	NAKAI Yuichi
Sp eci ali ze d	Co m pu Iso ry	Computer Literacy B	5131	School Credit	1	2	NAKAI Yuichi
Sp eci ali ze d	Co m pu Iso ry	Fundamental Experiments of Electrical & Computer Engineering	5132	School Credit	1	2	KAJIM URA Yoshih iro,HI ROTA Atsush i
Sp eci ali ze d	Co m pu Iso ry	Fundamentals of Engineering	5133	School Credit	1	2	KUBO TA Ikumi
Ge ne ral	Co m pu Iso ry	Japanese II-1	6201	School Credit	1		TANG E Atsuko
Ge ne ral	Co m pu Iso ry	Japanese II-2	6202	School Credit	1		TANG E Atsuko
Ge ne ral	Co m pu Iso ry	Introduction to Global Studies	6203	School Credit	1		
Ge ne ral	Co m pu Iso ry	Public	6204	School Credit	1		
Ge ne ral	Co m pu Iso ry	Mathematics II A-1	6205	School Credit	2		MATS UMIYA Atusi,
Ge ne ral	Co m pu Iso ry	Mathematics II A-2	6206	School Credit	2		MATS UMIYA Atusi,
Ge ne ral	Co	1	L				OMOD A Yasuhi ro
	pu Iso ry	Mathematics II B-1	6207	School Credit	1		A Yasuhi ro TAKAT A Isao
Ge ne ral	pu Iso ry Co m pu Iso ry	Mathematics II B-1 Mathematics II B-2	6207 6208	School Credit School Credit	1		TAKAT A Isao
Ge ne ral Ge ne ral	pu Iso ry Co m pu Iso ry Co m pu Iso ry ry	Mathematics II B-1 Mathematics II B-2 Science II A-1	6207 6208 6209	School Credit School Credit School Credit	1 1 1 1		A Yasuhi ro TAKAT A Isao TAKAT A Isao TAKEU CHI Masah iro
Ge ne ral Ge ral Ge ne ral	Compusory Compusory Compusory Compusory Compusory Compusory	Mathematics II B-1 Mathematics II B-2 Science II A-1 Science II A-2	6207 6208 6209 6210	School Credit School Credit School Credit	1 1 1 1 1		OMOD A Yasuhi ro TAKAT A Isao TAKAT A Isao TAKEU CHI Masah iro TAKEU CHI Masah iro,
Ge ne ral Ge ne ral Ge ne ral Ge ne ral	Compusory Compusory Compusory Compusory Compusory Compusory Compusory Compusory	Mathematics II B-1 Mathematics II B-2 Science II A-1 Science II A-2 Science II B-1	6207 6208 6209 6210 6211	School Credit School Credit School Credit School Credit	1 1 1 1 1		OMOD A Yasuhi ro TAKAT A Isao TAKEU CHI Masah iro TAKEU CHI Masah iro, SAKU RAI Yasuhi ro

Ge ne ral	Co m pu Iso ry	Physical Education II- 1	6213	School Credit	1	GOTO H Takay uki,MA EDA Tadan ori
Ge ne ral	Co m pu Iso ry	Physical Education II- 2	6214	School Credit	1	GOTO H Takay uki,MA EDA Tadan ori
Ge ne ral	Co m pu Iso ry	English II A-1	6215	School Credit	1	HERBE RT John C.
Ge ne ral	Co m pu Iso ry	English II A-2	6216	School Credit	1	INOUE Hideto shi
Ge ne ral	Co m pu Iso ry	English II B-1	6217	School Credit	1	KITAG AWA Chiho
Ge ne ral	Co m pu Iso ry	English II B-2	6218	School Credit	1	KITAG AWA Chiho
Ge ne ral	Co m pu Iso ry	Co+work IA	6219	School Credit	1	All faculty
Ge ne ral	Co m pu Iso ry	Co+work IB	6220	School Credit	1	All faculty
Ge ne ral	El ec tiv e	ICT Qualification I	6221	School Credit	1	TAKEU CHI Masah iro
Ge ne ral	El ec tiv e	Mathematics Certification I	6222	School Credit	1	OMOD A Yasuhi ro
Ge ne ral	Co m pu Iso ry	Japanese II-1	6223	School Credit	2	KUBO TA Ikumi
Ge ne ral	Co m pu Iso ry	Japanese II-2	6224	School Credit	1	KUBO TA Ikumi
Ge ne ral	Co m pu Iso ry	Japanese Practice I	6225	School Credit	1	KUBO TA Ikumi
Sp eci ali ze d	Co m pu Iso ry	Electric Circuits II A	6226	Acade mic Credit	2	KAJIM URA Yoshih iro
Sp eci ali ze d	Co m pu Iso ry	Electric Circuits II B	6227	Acade mic Credit	2	KAJIM URA Yoshih iro
Sp eci ali ze d	Co m pu Iso ry	Computer Programming II A	6228	Acade mic Credit	2	TSUC HIDA Takay uki
Sp eci ali ze d	Co m pu Iso ry	Computer Programming II B	6229	Acade mic Credit	2	HIRAN O Masat sugu

Sp eci ali ze d	Co m pu Iso ry	Electrical and Electronic Measurement A	6230	School Credit	1	HOSO KAWA Atsuis hi	
Sp eci ali ze d	Compusory	Electrical and Electronic Measurement B	6231	School Credit	1	HOSO KAWA Atsuis hi	
Sp eci ali ze d	Co m pu so ry	Microcomputer	6232	Acade mic Credit	2	NOMU RA Hayat o	
Sp eci ali ze d	Co m pu Iso ry	Experiments of Electrical and Computer Engineering I	6233	School Credit	2	KAJIM URA Yoshih iro,SU YAMA Taikei, HOSO KAWA Atsuis hi,	

Α	Akashi College			2023		Course Title	Japanese	I-1			
Course	Informa	tion									
Course Co	ode	5101			Course Categor	y General	/ Compulsory	/			
Class For	mat	Lecture			Credits	School (Credit: 1				
Departme	ent	Electrical a	nd Computer E	Ingineering	Student Grade	1st					
Term		First Seme	ster		Classes per Wee	ek 2					
Textbook Teaching	and/or Materials	中島国彦 他	『精選現代の国	語』『精選言語文化	〔』(明治書院)、	『新訂総合国語	便覧』(第一学	智社)			
Instructor	r	TANGE Ats	uko								
Course	Objectiv	res									
1)論理的な 2)文学的な 3)整理した	は文章(論語 は文章(小語 に情報をもっ	党や評論)の構 党や随筆)に描 とに、主張が効!	成や展開を的確(かれた人物やもの 果的に伝わるよ ⁻	ことらえ、要約でき のの見方を表現に即 うに論理の構成や展	る。 して読み取り、自然 開を工夫した報告を	分の意見を述べる を行ったり、文章	ることができる 章を作成するこ	。 とができる。			
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			構成と展開を説 えて要約ができ	明でき、大意を捉 る。	構成が説明でき、	要約できる。	要旨は分か ない。	るが、構成を捉えられ			
評価項目2			人物形象から主 に考察できる。	題を捉え、批判的	登場人物の整理か えられる。	でき、主題が扱	と 人物造型の 主題が捉え	違いは把握できるが、 られない。			
評価項目3			明確な意見・結 的文章として構	論を論理的・実証 成・展開できる。	明確な意見とそれ を作成できる。	しを表す段落構成	結論・意見るが論理性	を設け、段落分けでき ・実証性に乏しい。			
Assigne	d Depar	tment Obje	ctives								
Teachin	ig Metho	d									
Outline		小説や評論、 を獲得する。	古典文学など、	様々な文章を読む	ことを通し、豊かな	は感性と論理的思	見考力を養い、	的確な読解力と表現力			
Style		講義形式を基	基本とする。随時								
Notice		国語は理科系	系科目も含めす/ としない欠席条件	べての教科の基礎では 牛(割合) 1/3以上の	あることを念頭に、 欠課	予習・復習を怠	らず積極的に	授業に取り組むこと。			
Charact	eristics	of Class / D	ivision in Le	arning							
Active	Learning		□ Aided by IC	CT	☐ Applicable to	Remote Class	Instruction Experience	ctor Professionally ed			
							• •				
Course	Plan										
		Th	eme			Goals					
		1st 授	業ガイダンス、	「「ふと」と「思わ	ず」」の読解	授業の進行・準備物について理解することができる					
		2nd Γ	「ふと」と「思わ	りず」」の読解		表現に即して内	容を適切に理解	することができる			
		Зrd Г	「ふと」と「思れ	りず」」の読解		内容を理解した. る	ごで、自分の意見を述べることができ				
		4th آ	羅生門」の読解			表現に即して内	容を理解するこ	理解することができる			
	1st Quarter	5th 「	羅生門」の読解			表現に即して登場人物の人物像を読み取ることができ る					
		6th آ	羅生門」の読解								
1st		7th آ	羅生門」の読解				作品に対する自	日分の意見を述べること			
Semeste		8th [;	羅生門」の読解			作品の特徴を文	学史的位置を含	めて理解できる			
r		9th	宇治拾遺物語」(の読解	-		運解できる。適	뒙に音読し、文意を理			
		10th [宇治拾遺物語」(の読解	÷	適切に解釈し、	教科書の設問に	答えることができる			
		11th Г [,]	尹勢物語」の読	驿	-		運解できる。適	砂に音読し、文意を理			
	2nd Quarter	12th [/	尹勢物語」の読録	驿		適切に解釈し、	教科書の設問に	答えることができる			
	Quarter	13th Г	美意識は資源でる	ある」の読解	÷	適切に音読でき	本文の構成と	上展開を説明できる			
		14th [美意識は資源でる	ある」の読解	,	作品内容に対し	て批判的意見を	あげることができる			
		15th [美意識は資源で	ある」の読解		作品内容に対し	て批判的意見を	あげることができる			
		16th 期	末試験								
Evaluat	<u>ion Meth</u>	nod and We	ight (%)								
	試験			<u>-</u>	態度	その他		Total			
Subtotal		80	10		10	0		100			
基礎的能力	כ	80	10		10	0		100			
専門的能力]	0	0		0	0		0			
分野横断的	「能力	0	0		0	0		0			

Akashi College			Yea	r	· 2023			course Title	Japanese	I-2	
Course	Informa	tion									
Course Co	ode	5102				Course Catego	ry	General ,	/ Compulsory	/	
Class Forr	nat	Lecture				Credits		School C	redit: 1		
Departme	ent	Electrical	and Comput	ter E	ngineering	Student Grade		1st			
Term		Second Se	emester			Classes per We	eek	2			
Textbook Teaching	and/or Materials	中島国彦(也『精選現代	の国語	语』『精選言語文化	』(明治書院)、	『新訂	総合国語係	•覽』(第一学	習社)	
Instructor	-	TANGE At	suko								
Course	Objectiv	es									
1)論理的な 2)文学的な 3)整理した	☆章(論調 ☆文章(小調 ☆情報をもく	税や評論)の構 税や随筆)に打 とに、主張が効	構成や展開を的 すかれた人物・ か果的に伝わる	的確に やもの るよう	ことらえ、要約でき りの見方を表現に即 うに論理の構成や展	る。 して読み取り、自 開を工夫した報告	分の意 を行っ	見を述べる たり、文章	ことができる を作成するこ	。 とができる。	
Rubric											
			埋想的な到		ベルの目安	標準的な到達レ	ベルの	当安	→ 未到達レベ	ルの目安	
評価項目1			構成と展開 えて要約が	を記	明でさ、大息を捉 る。 	構成が説明でき	、要約	できる。	安盲は分かない。	るか、	
評価項目2			人物形象か に考察でき	ら主いる。	題を捉え、批判的	登場人物の整理 えられる。	ができ、	主題が捉	人物造型の 主題が捉え	違いは把握できるが、 られない。	
評価項目3			明確な意見 的文章とし	・結	論を論理的・実証 成・展開できる。	明確な意見とそ を作成できる。	れを表す	す段落構成	結論・意見 るが論理性	を設け、段落分けでき ・実証性に乏しい。	
Assigne	d Depar	tment Obj	ectives								
Teachin	g Metho	d									
Outline 小説や評論、古典文学など、様々な文章を読むことを通し、豊かな感性と論理的思考力を養い、的確な読解力と表現力											
Style		講義形式を	。 基本とする。	随時	り、小テストや課題で	を課す。					
Notice		国語は理科	系科目も含め	めすべ 声をが	、 ての教科の基礎であ た(割合) 1/212 トの	あることを念頭に	、予習	・復習を怠	らず積極的に	授業に取り組むこと。	
Charact	eristics	of Class /	Division ir	ז Le	arning	入詠					
□ Active	Learning			bv IC	CT	☑ Applicable t	o Rem	ote Class	🗆 Instruc	tor Professionally	
Course	Plan										
Course		Г	heme				Goals				
		1st 扎	業ガイダンス、「働くことの意味」の読解				論説文 理解す	について、 ることがて	適切に音読し ごきる	、表現に即して構成を	
		2nd	「働くことの゛	意味」	の読解		論説文について、論理的展開と論証を理解し、説 ることができる			論証を理解し、説明す	
		3rd	「働くことの	意味」	の読解		論説文 ること	について、 ができる	論理的展開と	論証を理解し、説明す	
	3rd	4th	「平家物語」(の読角	7 牛		文学史上の評価、古文の文法について理解し、 様式が理解できる			ついて理解し、作品の	
	Quarter	5th	「平家物語」(平家物語」の読解				文学史上の評価、古文の文法について理解し、作品の 様式が理解できる			
		6th	「平家物語」(人物造型などとし、作者の主題意識を理解することができる。		
2nd		7th	「平家物語」(の読角	7 牛		してきる 詰み本系・語り本系の違いを念頭に、場面の特徴を理 留することができる			頭に、場面の特徴を理	
r		8th	「平家物語」(の読角	Р 4		史的位 とがて	置をとらえ きる	え、作品評価と	しての意見をあげるこ	
		9th	「世界中がハン	ンバ-	-ガー」の読解		適切に きる	音読し、表	長現に即して構	成を理解することがで	
		10th	「世界中がハ」	ンバ-	-ガー」の読解		論理的	展開と論調	Eを理解し、説	明することができる	
		11th	「世界中がハ」	ンバ-	-ガー」の読解		教科書	の設問に答	答え、主題を理	解することができる	
	4+b	12th	「蛇足」の読	解			漢文の	基本的読解	解法を理解し、	適切に音読できる	
	Quarter	13th	「蛇足」の読飾	解・	「唐詩」の読解		内容を	理解し、ゞ	て化的影響をと	らえることができる	
		14th	「唐詩」の読飾	解			漢詩の とがて)きまりを理 ごきる	里解した上で 個	々の作品を鑑賞するこ	
15th 「唐詩」の詞			「唐詩」の読	解			漢詩の 品評価)きまりを理 iすることた	₽解した上で個 ができる	々の作品を鑑賞し、作	
16th 期末試験											
Evaluati	ion Meth	od and W	eight (%))							
	二					態度		その他		Total	
Subtotal		80		10		10		0		100	
基礎的能力]	80		10		10		0		100	
専門的能力	J	0		0		0		0		0	
分野横断的	能力	0		0		0		0		0	

A	kashi Co	ollege	Year	2023		Course Title	Mathematics I A-1		
Course	Informat	tion							
Course Co	ode	5105			Course Category	/ General	/ Compulsory		
Class Forr	nat	Lecture			Credits	School C	Credit: 2		
Departme	ent	Electrical a	and Computer E	ngineering	Student Grade	1st			
Term		First Seme	ester		Classes per Wee	ek 4			
Textbook Teaching	and/or Materials	Fundamer	ital Mathematics	(Dai Nihon Tosh	0)				
Instructor		TAKATA I	ao						
Course	Objectiv	es							
1) To und 2) To und 3) To und	lerstand nu lerstand Eo lerstand ar	umbers and o quation and i nd functions	equations, and b nequality, and b and graphs, and	e able to calculat e able to solve th be able to use th	e them. em. nem.				
Rubric			1		1				
			Ideal Level		Standard Level		Unacceptable Level		
1) Numbers and equations			Can understand equations, and calculate them.	d numbers and be able to	Can understand equations.	numbers and	Can not understand numbers and equations.		
2) Equation and inequality			Can understand inequality, and them.	d Equation and be able to solve	Can understand inequality.	Equation and	Can not understand Equation and inequality.		
3)Functio	ns and gra	phs	Can understand and graphs, an them.	d and functions d be able to use	Can understand and graphs.	and functions	Can nt understand and functions and graphs.		
Assiane	d Depart	ment Ohi	ectives		·				
Teachin	a Metho	d							
	grictio	The object	ive is to develor	hasic mathemat	ical formulas and	logical thinking	a skills and acquire the		
Outline		fundamen	tals of mathema	tics necessary in	college.				
Style		Students a Students Bilingual d	are asked to pre will be asked to s lasses may be o	pare for the class study in groups du ffered.	with video clips a uring class to che	according to the ck their level o	e syllabus. f understanding.		
Notice		Review yo Study inde CBT will b	ur work before of pendently by us e given in one of who miss 1/3 or	class. Do not leave sing problem colle f the weeks. more of classes y	e anything you do ections. will not be eligible	o not understar	nd unanswered, but ask questions.		
Charact	eristics (of Class / I	Division in Lea	arning			•		
☑ Active	Learning		☑ Aided by IC	T	☑ Applicable to	Remote Class	 Instructor Professionally Experienced 		
Course	Plan								
		Т	heme		(Goals			
		1st N	umbers and equ	ations	(5 6	Class Preparation. Also, can calculate add subtraction, and multiplication of integer expressions.			
		2nd N	umbers and equ	ations	f	Can use expone formulas. Also,	ential laws and expansion can perform simple factorizations.		
		3rd N	umbers and equ	ations	(Can compute d nigher order po heorem.	ivisors of integers. Also, can factor lynomials using the factor		
		4th N	umbers and equ	ations	c c f	Can divide fract calculate additi ractional expre	tional expressions. Also, can on, multiplication, and division of essions.		
	1st Quarter	5th N	umbers and equ	ations	(Can understand numbers. Also, complex numbe subtraction, mu	I the meaning of real and absolute can understand the phases of ers and compute their addition, Iltiplication, and division.		
1st Semeste r		6th E	quations and ine	qualities	(C f	Can understand complex numbe can solve quad ormulas.	d the correspondence between ers and the complex plane. Also, ratic equations by using solution		
		7th E	quations and ine	qualities	-	The CBT test w Also, can under solutions and c quadratic equa	ill be used to check for retention. rstand the relationship between pefficients and can factor any tion.		
		8th E	quations and ine	qualities	(f	Can solve linea ractional equat	r equations. Also, can solve cions and irrational equations.		
		9th E	quations and ine	qualities		Can understand	l identities and partial fractional Also, can prove various equations.		
	2nd	10th E	quations and ine	qualities		Can solve first quadratic inequ	order inequalities. Also, can solve alities.		
	Quarter	11th E	quations and ine	qualities	(Can prove inequalities. Also, can understand se and compute sets.			
	1	12th E	quations and ine	qualities		Can determine the number of sets. Also, ca determine the truth or falsity of a propositic			

		13th	Functio	ons and graphs		Can state the inverse, reverse, and contrapositive of a proposition. Also, can draw graphs of quadratic functions.					
		14th	Functio	ons and graphs			The CBT test Also, can fin	t will be used to che d quadratic functior	eck for retention. Is.		
	15th Functions and graphs						Review of the total. Also, can understand the relationship between quadratic functions and quadratic inequalities.				
		16th	Exam				Confirmation of the studies.				
Evaluati	on Met	hod and	Weigh	t (%)							
		Examination		Comprehension Test	Review Test	Assig	nments	Attendance points	Total		
Subtotal		25		20	25	15		15	100		
Basic Proficiency		25		20	25	15		15	100		
Specialized Proficiency		0		0	0	0		0	0		
Cross Area Proficiency		0		0	0	0		0	0		

Akashi College			Year	2023			course Title	Mathematics I A-2	
Course	Informa	tion							
Course Co	ode	5106			Course Catego	γ	General ,	Compulsory	
Class Forr	nat	Lecture			Credits		School C	redit: 2	
Departme	ent	Electrical	and Computer E	ngineering	Student Grade		1st		
Term		Second Se	emester		Classes per We	ek	4		
Textbook Teaching	and/or Materials	Fundame	ntal Mathematics	(Dai Nihon Tosho))				
Instructor	-	ΤΑΚΑΤΑ Ι	sao						
Course	Objectiv	es							
1) To und 2) To und 3) To und	lerstand ar lerstand ex lerstand th	nd functions kponential ar ne principles	and graphs, and nd logarithmic fu of the number o	be able to use th nctions, and be al f possible outcome	em. ble to use them. es and probability, and be able to calculate them.				
Rubric					•				
			Ideal Level		Standard Level			Unacceptable Level	
Achievement 1			Can understand and graphs, an them.	d and functions d be able to use	Can understand and graphs.	d and f	functions	Can nt understand and functions and graphs.	
Achievem	ent 2		Can understand logarithmic fun able to use the	d exponential and ctions, and be m.	Can understan logarithmic fun	d expo ctions.	nential an	d Can not understand exponential and logarithmic functions.	
Achievement 3			Can understand the number of outcomes and be able to calcu	d the principles of possible probability, and Jlate them.	Can understand the number of outcomes and	d the p possib probab	orinciples o le pility.	of Can not understand the principles of the number of possible outcomes and probability.	
Assigne	d Depar	tment Obj	ectives						
Teachin	a Metho	d							
Outline	_	The object	tive is to develor tals of mathema	b basic mathemati	ical formulas an college.	d logic	al thinking	skills and acquire the	
Style		Students Students Bilingual d	are asked to pre will be asked to s lasses may be o	asked to prepare for the class with video clips according to the syllabus. be asked to study in groups during class to check their level of understanding. ses may be offered.					
Notice		Review yo Study ind CBT will b Students	our work before of ependently by us e given in one o who miss 1/3 or	class. Do not leave sing problem colle f the weeks. more of classes w	e anything you o ctions. vill not be eligibl	lo not e for e	understan valuation.	d unanswered, but ask questions.	
Charact	eristics of	of Class /	Division in Le	arning	_				
☑ Active	Learning		☑ Aided by IC	☑ Applicable t	o Rem	ote Class	 Instructor Professionally Experienced 		
Course	Plan	,							
		Т	heme			Goals			
		1st F	unctions and gra	aphs		Answers to the first semester final exam and a summer homework test will be given. Also, car understand the relationship between quadratic functions and quadratic inequalities.			
		2nd F	unctions and gra	aphs		Can move graphs symmetrically and scale t Also, can draw graphs of power functions a distinguish between even and odd function:			
		3rd F	unctions and gra	aphs		Can d solve function	n draw graphs of fractional functions. Also olve inequalities using graphs of fractional inctions.		
	3rd Ouarter	4th F	unctions and gra	phs		Can d draw	raw graph graphs of	s of irrational functions. Also, can inverse functions.	
2nd	Quarter	5th E	xponential and le	ogarithmic functio	ns	Can fi will be retent	nd the pore administ ion.	wer roots. In addition, a CBT test ered to check for learning	
Semeste r		6th E	xponential and lo	ogarithmic functio	ns	Can u law. A functio	nderstand Ilso, can d ons.	the extension of the exponential raw graphs of exponential	
		7th E	xponential and le	ogarithmic functio	ns	Can se expon logarit	olve equat ential fun- thms and	ions and inequalities for ctions. Also can understand can perform simple calculations.	
		8th E	xponential and le	ogarithmic functio	ns	Can u Also, d	se the tra can draw	nsformation formulas for the base. graphs of logarithmic functions.	
		9th E	xponential and le	ogarithmic functio	ns	Can s logari logari	olve equat thmic func thms.	ions and inequalities of tions. Also, can use ordinary	
	4th Quarter 1	10th N	umber of cases			Can u sums, will be learni	nderstand and can f given to ng	the law of product and the law of ind simple cases. Also, a CBT test check the level of retention of	
		11th N	umber of cases			Can fi	nd the val	ues of various permutations.	

		12th	Numbe	er of cases			Can obtain the circular permutations. Also, can obtain simple combinations.				
		13th	Numbe	er of cases			Can obtain the various combinations. Also, can obtain overlapping permutations.				
		14th	Numbe	er of cases			Can understand and use the binomial theorem. Also, CBT (Headquarters) will be conducted.				
		15th	Basics	of probability			Can compute understand	e simple probabilitie and calculate condit	s. Also can ional probabilities.		
		16th	Exam				Confirmation of the studies				
Evaluation	Meth	nod and N	Weight	t (%)							
		Examinatio	'n	Comprehension Test	Review Teat	Assig	nments	Attendance points	Total		
Subtotal		25		20	25	15		15	100		
Basic Proficiency 25			20	25	15		15	100			
Specialized 0		0	0	0		0	0				
Cross Area Proficiency 0 0			0	0 0			0	0			

Akashi College		Year	-	2023		C	course Title	Physical Education I-1	
Course	Informa	tion							
Course C	ode	5111				Course Categor	у	General /	Compulsory
Class For	mat	講義・実	€技			Credits		School C	redit: 1
Departme	ent	Electrica	al and Comput	er E	Engineering	Student Grade		1st	
Term		First Se	mester			Classes per We	ek	2	
Textbook Teaching	and/or Materials					•			
Instructo	r	GOTOH	Takayuki,KOB	AYA	ASHI Yuki				
Course	Objectiv	res							
 Particip Can ta take the 	bate in clas ke action t necessary	sses to imp to conduct action to d	prove students sports safely. lo so.	' ov Also	vn health and phys o, recognizes the s	ical strength. Als ignificance of col	io, hav labora	ve some le iting and o	evel of self-discipline. cooperating with the team and can
Rubric									
			Ideal Level	Ideal Level					Unacceptable Level
Achievement 1			Actively pa improve th physical str level of self	rtic eir reng f-di	ipate in classes to health and gth. Have a high scipline.	Participate in clu their health and strength. Have self-discipline.	asses I phys some	to improv ical level of	e Reluctant to participate in classes, or improve their own health and physical strength. Do not have a high level of self- discipline.
Achievement 2			Actively pa sport pract are very co a great infl	rtic ices mp uer	ipate in various and games, and petitive. Also have nce on games, etc.	Can actively particular various sport pri games. And als for them.	ticipa actice o have	te in s and e the skills	Do not participate in various sport practices and games.
Achievement 3			Understand well, and c teamwork.	d th an	e role of a leader help increase	Understand and take on the role	l can p of a l	olay or leader.	Do not understand the role of a leader. Also, never play that role.
Assigne	d Depar	tment O	bjectives						-
Teachir	a Metha	d	2						
Outline		The goa the hab Student content table te	al of this course it of playing sp s will split into . Students can nnis	e is ort gra cha	for students to lea s on a daily basis. oups and leaders w oose from: Baseba	rn more about t This class requin vill take the lead II, softball, socce	ne fun es an to pla r, futs	and dept active and n, review, al, tennis,	h of sports so that they can build l proactive attitude to participate. and implement the course . basketball, volleyball, badminton,
Style		Student they sh expecte practice	ts are encourage ould learn the ed to develop m e. Students and	ged rule nore 1 ins	to actively particip es and how to play e advanced techno structors should we	bate in games an games, etc., and logies and impro ork together to c	d prac d try t ve tea reate	ctice and t o learn ba amwork th a safe and	o discover the fun of sports. First, sic skills. In addition, they are rough games and game-style I welcoming class.
Notice		 Wear them, p Do n grade d Tard but their If it i that cla absence Stude 	r school-design points will be do ot wear or brin eduction. iness will be ex- in attendance v s discovered th ss will be mark e. ents who miss	nate edu ng a kcus vill nat ked 1/4	ed training wear, al cted from their gra accessories, watche sed for the first 20 be marked as abse a student left class as absent, and the or more of classes	thletic shoes, or ade. s, or any other u minutes. Studer ent. early without be ir grade for prev s will not be eligil	other unnece its car eing ei ious c ole for	designated essary iter participa xcused (di lasses will • evaluatio	d clothing. If students fail to wear ns. These are also eligible for te in the class after 20 minutes, itching class), their attendance for I suffer a deduction equal to an n.
Charact	eristics	of Class	/ Division in	Le	earning				
🛛 Active	Learning		□ Aided b	y I	СТ	☑ Applicable to	Rem	ote Class	 Instructor Professionally Experienced
Course	<u>ria[]</u>		Thorse			I	Ca-!-		
		1st	Guidance				Under course	stand the e. Reackno	purposes and objectives of this wledge that warm-ups are
		2nd	Guidance				Under course neces	stand the e. Reackno sary to sal	purposes and objectives of this owledge that warm-ups are fely exercise.
		3rd	Baseball, soft basketball, vo	ball olley	, soccer, futsal, te /ball, badminton, t	nnis, able tennis	Can d reflect	o warm-u t on the cl	p and practice, play games, and ass, led by a leader.
1st	1st Quarter	4th	Baseball, soft basketball, vo	ball olley	, soccer, futsal, te /ball, badminton, t	nnis, able tennis	Can d reflect	o warm-u t on the cl	p and practice, play games, and ass, led by a leader.
r		5th	Baseball, soft basketball, vo	ball olley	, soccer, futsal, ter /ball, badminton, t	nnis, able tennis	Can d reflect	o warm-u t on the cl	p and practice, play games, and ass, led by a leader.
		6th	Baseball, soft basketball, vo	ball	, soccer, futsal, ter /ball, badminton, t	nnis, able tennis	Can d reflect	o warm-u t on the cl	p and practice, play games, and ass, led by a leader.
		7th	Baseball, soft basketball, vo	aseball, softball, soccer, futsal, tennis, asketball, volleyball, badminton, table tennis			Can do warm-up and practice, play games, and reflect on the class, led by a leader.		
		8th	Baseball, soft basketball, vo	ball olley	, soccer, futsal, te /ball, badminton, t	nnis, able tennis	Can do warm-up and practice, play games, and reflect on the class, led by a leader.		
	2nd Quarter	9th	Baseball, soft basketball, vo	ball	, soccer, futsal, te /ball, badminton, t	nnis, able tennis	Split i	nto teams	in each sport and select a leader.

		10th	Baseball, softball, so basketball, volleyball	ccer, futsal, tennis, , badminton, table tennis	Can do warm-up and reflect on the class, le	practice, play games, and d by a leader.		
		11th	Baseball, softball, so basketball, volleyball	ccer, futsal, tennis, , badminton, table tennis	Can do warm-up and reflect on the class, le	Can do warm-up and practice, play games, and reflect on the class, led by a leader.		
		12th	Baseball, softball, so basketball, volleyball	ccer, futsal, tennis, , badminton, table tennis	Can do warm-up and reflect on the class, le	Can do warm-up and practice, play games, and reflect on the class, led by a leader.		
		13th	Baseball, softball, so basketball, volleyball	ccer, futsal, tennis, , badminton, table tennis	Can do warm-up and reflect on the class, le	Can do warm-up and practice, play games, and reflect on the class, led by a leader.		
		14th	Baseball, softball, so basketball, volleyball	ccer, futsal, tennis, , badminton, table tennis	Can do warm-up and reflect on the class, le	Can do warm-up and practice, play games, and reflect on the class, led by a leader.		
		15th	Baseball, softball, so basketball, volleyball	ccer, futsal, tennis, , badminton, table tennis	Can do warm-up and reflect on the class, le	practice, play games, and d by a leader.		
		16th	No final exam					
Evaluati	on Meth	od an	id Weight (%)					
	Ap		Approach to a class	Practical skill	Leadership	Total		
Subtotal	otal 75		75	15	10	100		
Basic Prof	asic Proficiency 75		75	0	0	75		
Specialize	Specialized Proficiency 0		0	0	0	0		
Cross Area	a Proficien	су	0	15	10	25		

А	kashi Co	ollege	Year	2023		Course Title	Physical Education I-2	
Course	Informa	tion	·					
Course Co	ode	5112			Course Category	General	Compulsory	
Class For	mat	講義・実技	ž		Credits	School C	redit: 1	
Departme	ent	Electrical	and Computer E	ngineering	Student Grade	1st		
Term		Second Se	emester	5 5	Classes per Wee	ek 2		
Textbook Teaching	and/or Materials				· · ·			
Instructor	r	БОТОН Т	akayuki,ISHIDA	Masami				
Course	Objectiv	es						
 Particip Can ta take the r 	bate in clas ke action t necessary	sses to impro o conduct sp action to do	ove students' ow oorts safely. Also so.	n health and phys , recognizes the s	sical strength. Als ignificance of coll	o, have some lo aborating and o	evel of self-discipline. cooperating with the team and can	
Rubric								
			Ideal Level		Standard Level		Unacceptable Level	
Achievem	ient 1		Actively partici improve their h physical streng level of self-dis	pate in classes to health and th. Have a high scipline.	Participate in cla their health and strength. Have s self-discipline.	asses to improv physical some level of	e Reluctant to participate in classes, or improve their own health and physical strength. Do not have a high level of self- discipline.	
Achievement 2			Actively partici sport practices are very compe a great influence	pate in various and games, and etitive. Also have ce on games, etc.	Can actively par various sport pr games. And also for them.	ticipate in actices and have the skills	Do not participate in various sport practices and games.	
Achievem	ient 3		Understand the well, and can h teamwork.	e role of a leader help increase	Understand and take on the role	can play or of a leader.	Do not understand the role of a leader. Also, never play that role.	
Assigne	d Depar	tment Obj	ectives					
Teachin	ig Metho	d						
Outline The goal the habii Outline Students content.			of this course is t of playing sports will split into gro Students can cho iis	for students to lea on a daily basis. ups and leaders v ose from: Baseba	rn more about th This class require vill take the lead t II, softball, socce	ne fun and dept es an active and to plan, review, r, futsal, tennis	h of sports so that they can build l proactive attitude to participate. and implement the course basketball, volleyball, badminton,	
Style		Students they shou expected practice.	are encouraged Id learn the rule to develop more Students and ins	to actively particip s and how to play advanced techno tructors should w	bate in games and games, etc., and logies and impro- ork together to ci	d practice and t d try to learn ba ve teamwork th reate a safe and	o discover the fun of sports. First, sic skills. In addition, they are rough games and game-style welcoming class.	
Notice		Wear s them, poi Do not grade dec Tardine but their a If it is o that class absence. Student	school-designated training wear, athletic shoes, or other designated clothing. If students fail to ints will be deducted from their grade. t wear or bring accessories, watches, or any other unnecessary items. These are also eligible for duction. ess will be excused for the first 20 minutes. Students can participate in the class after 20 minute attendance will be marked as absent. discovered that a student left class early without being excused (ditching class), their attendan s will be marked as absent, and their grade for previous classes will suffer a deduction equal to the who miss 1/4 or more of classes will not be eligible for evaluation.				d clothing. If students fail to wear 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 n.	
Charact	eristics o	of Class /	Division in Le	arning				
🛛 Active	Learning		□ Aided by IC	Т	☑ Applicable to	Remote Class	 Instructor Professionally Experienced 	
Course	Plan	I_						
			heme	<u> </u>	. (Goals		
		1st b	asketball, softball, asketball, volley	ball, badminton, t	able tennis	Split into teams	in each sport and select a leader.	
		2nd F	lealth (joint class Department of Nu	s with Hyogo Univ ursing)	ersity I	Reflect on their opportunity to r	own health and take the econsider their future lifestyles.	
		3rd B	aseball, softball, asketball, volley	soccer, futsal, te ball, badminton, t	nnis, (able tennis i	Can do warm-u reflect on the cl	p and practice, play games, and ass, led by a leader.	
	3rd	4th b	aseball, softball, asketball, volley	soccer, futsal, te ball, badminton, t	nnis, (able tennis i	Can do warm-u reflect on the cl	p and practice, play games, and ass, led by a leader.	
2nd	Quarter	5th B	aseball, softball, asketball, volley	soccer, futsal, te ball, badminton, t	nnis, (able tennis r	Can do warm-u reflect on the cl	p and practice, play games, and ass, led by a leader.	
Semeste r		6th B	aseball, softball, asketball, volley	soccer, futsal, te ball, badminton, t	nnis, d able tennis d	Can do warm-u reflect on the cl	p and practice, play games, and ass, led by a leader.	
		7th E	aseball, softball, asketball, vollev	soccer, futsal, te ball, badminton, t	nnis, (able tennis)	Can do warm-u reflect on the cl	p and practice, play games, and ass, led by a leader.	
		8th E	aseball, softball, asketball, vollev	soccer, futsal, te ball, badminton t	nnis, (able tennis	Can do warm-up and practice, play games, and reflect on the class. led by a leader		
	4th	9th B	aseball, softball, asketball, vollev	soccer, futsal, te	nnis, able tennis	Split into teams	in each sport and select a leader.	
	Quarter	10th b	aseball, softball, asketball, volley	soccer, futsal, te ball, badminton, t	nnis, (able tennis i	Can do warm-u <u>reflect on</u> the cl	p and practice, play games, and ass, led by a leader.	

		11th		Baseball, softball, soco basketball, volleyball,	cer, futsal, tennis, badminton, table tennis		Can do warm-up and pr reflect on the class, led	actice, play games, and by a leader.	
		12th		Baseball, softball, soco basketball, volleyball,	cer, futsal, tennis, badminton, table tennis		Can do warm-up and pr reflect on the class, led	actice, play games, and by a leader.	
13th				Baseball, softball, soco basketball, volleyball,	cer, futsal, tennis, badminton, table tennis		Can do warm-up and pr reflect on the class, led	actice, play games, and by a leader.	
		14th		Baseball, softball, soco basketball, volleyball,	cer, futsal, tennis, badminton, table tennis		Can do warm-up and pr reflect on the class, led	actice, play games, and by a leader.	
		15th		Baseball, softball, soccer, futsal, tennis, basketball, volleyball, badminton, table tennis			Can do warm-up and pr reflect on the class, led	ractice, play games, and by a leader. ractice, play games, and by a leader. Total 100 75 0 25	
		16th		No final exam					
Evaluati	on Meth	od an	۱d ۷	Veight (%)					
			Арр	proach to a class	Practical skill	Le	eadership	Total	
Subtotal	Subtotal 75		75		15	10	0	100	
Basic Proficiency 75		75		0	0		75		
Specialized Proficiency 0			0		0	0		0	
Cross Area Proficiency 0			0		15	10	0	25	

A	kashi Co	ollege		Year	2023		C	course Title	English I A-1
Course	Informat	tion							
Course Co	ode	5113				Course Catego	ry	General ,	/ Compulsory
Class For	mat	Lecture				Credits		School C	redit: 1
Departme	ent	Electrica	al anc	d Computer Er	ngineering	Student Grade		1st	
Term		First Se	meste	er		Classes per We	eek	2	
Textbook Teaching	and/or Materials	New Ra	ys En	iglish Commu	nication I / New F	Rays WORKBOO	К		
Instructor	r	AKIMOT	O Hir	romi					
Course	Objectiv	es							
1) To rev use it app 2) To rev study gui 3) To rev appropria 4) Can re 5) To acq	iew the vo propriately. iew the gra delines. iew senten tely, follow ad senten uire Englis	cabulary le ammar lea ices structo ving the hi ces written h pronunc	earne rned ures l gh sc in Er iation	d at junior hig at junior high learned in juni hool learning nglish, unders n skills and acc	h school, acquire school, and learr or high school, ar guidelines. tand the text outl cent rules so that	new vocabular n to use gramm nd learn to use line, read and ea the student car	y follow ar rules senten xtract r i speak	ving the his approprises approprises approprises approprises approprises approprises approprises approximately a	igh school learning guidelines, and ately, according to the high school res and operate them information. nd communicate to the listener.
Rubric									
				leal Level		Standard Leve			Unacceptable Level
Achievement 1			Th ne hi ar	he student ha: ew vocabulary igh school lear nd use it appro	s well acquired following the ming guidelines opriately.	The student ha vocabulary foll school learning use it appropri	as acqu owing i guide ately.	ired new the high lines and	The student has not acquired new vocabulary following the high school learning guidelines and use it appropriately.
Achievement 2			Tl us ar hi	he student ha se grammar ri ppropriately, a igh school stu	s well learned to ules according to the dy guidelines.	The student ha grammar rules according to th study guideline	as learr appro ne high es.	ned to use priately, school	The student has not learned to use grammar rules appropriately, according to the high school study guidelines.
Achievement 3			Ti us op fo le	he student has se sentence st perate them a ollowing the hi parning guideli	s well learned to ructures and ppropriately, gh school nes.	The student has sentence struct them appropria the high school guidelines.	as learr tures a ately, f I learni	ned to use Ind operat ollowing ng	The student has not learned to use sentence structures and operate them appropriately, following the high school learning guidelines.
Achievement 4			TI se ur re in	he student car entences writt nderstand the ead and extrac formation.	n well read en in English, text outline, ct necessary	The student can read sentences written in English, understand the text outline, read and extract necessary information.		sentence derstand and ormation.	s The student can not read sentences written in English, understand the text outline, read and extract necessary information.
Achievem	ient 5		T Er ac ca co	The student hanglish pronunc ccent rules so an speak clear communicate to	as well acquired ciation skills and that the student ly and o the listener.	The student has acquired English pronunciation skills and accent rules so that the student can speak clearly and communicate to the listener.			The student has not acquired English pronunciation skills and accent rules so that the student can speak clearly and communicate to the listener.
Assigne	d Depart	tment O	bject	jectives					
Teachin	a Metho	d							
Outline		Based o acquire	n the readi	e junior high s ing skills. To a engthen vocal	chool learned con cquire the ability	tent, to underst to listen and ex	and th press s	e basic sti simple Eng	ructure of English sentences and glish sentences. To perform word
Style		Attend t Handou	the cl	asses, prepar	e for the classes s the first week.	studying the rele Go over the har	evant s	ections of	the workbook. stand it in detail.
Notice		Use qui Student	zzes t s who	to increase stu o miss 1/4 or	ident vocabulary	and develop list	ening a	ability. valuation.	
Charact	eristics of	of Class	/ Div	ision in Lea	arnina				
□ Active	Learning	<u>, eieee</u>		Aided by IC	т	☑ Applicable t	o Rem	ote Class	Instructor Professionally Experienced
									· ·
Course	Plan								
			Ther	me			Goals		
		1st	Cour (Cou	rse guidance Jrse progress	method, learning	method, etc.)	Under	stand cou	rse content and assignments.
		2nd	Chap	pter 1 Part 1/2	2		Based under	on the co stand Eng	ontent learned in junior high school lish language basic structure.
		3rd	Chap	pter 1 Part 2/3	3		Based under	on the co stand Eng	ntent learned in junior high school lish language basic structure.
1st 1st 4th		4th	Char Lang	pter 1 Part 4 guage and Cul	ture Workshop		Under throug	standing f gh authen	the cross-cultural communication tic materials.
r	Quarter	5th	Chap	pter 2 Part 1/2	2		Based under	on the co stand Eng	ontent learned in junior high school lish language basic structure.
		6th	Chap	pter 2 Part 2/3	3		Based under	on the co stand Eng	ontent learned in junior high school lish language basic structure.
		7th	Chap Lang	pter 2 Part 4 guage and Cul	ture Workshop	Understanding the through authentic n		standing t gh authen	the cross-cultural communication tic materials.
		8th	Chap	pter 3 Part 1/2	2		Learn lessor	the vocat tasks.	oulary and grammar rules set as

		9th	С	hapter 3 Part 2/3	3		Learn the vocabu lesson tasks.	ulary and gramm	ar rules set as		
		10th	C L	hapter 3 Part 4 anguage and Cul	ture Workshop		Learn the vocabulesson tasks.	Learn the vocabulary and grammar rules set as lesson tasks.			
		11th	С	hapter 4 Part 1/2	2		Learn the vocabu lesson tasks.	Learn the vocabulary and grammar rules set as lesson tasks.			
	2nd	12th	С	hapter 4 Part 2/3	3		Learn the vocabulary and grammar rules set as lesson tasks.				
	Quarter	r 13th	С	hapter 4 Part 4			Learn the vocabulary and grammar rules set as lesson tasks.				
		14th	R	eview			Understanding the learned so far ar	e weak points on the content preparing for the exam.			
		15th	15th Q & A				Understanding the learned so far an	ne weak points or Id preparing for t	y and grammar rules set as yeak points on the content reparing for the exam. yeak points on the content reparing for the exam. derstanding of the content		
		16th	F	inal exam			Test the student learned so far.	weak points on the content preparing for the exam. nderstanding of the content			
Evaluat	ion Me	thod and	d W	eight (%)							
		Examinatio	n	Assignments	Quizes	Behavior	Portfolio	Other	Total		
Subtotal		50		10	40	0	0	0	100		
Basic Proficienc	cy	0		10	40	0	0	0	50		
Specialize Proficienc	Specialized Proficiency			0	0	0	0	0	0		
Cross Are Proficienc	ea Cy	50		0	0	0	0	0	50		

A	kashi Co	ollege		Year	2023		C	course Title	English I A-2		
Course	Informat	tion			•						
Course Co	ode	5114				Course Catego	ry	General /	Compulsory		
Class Forr	mat	Lecture				Credits		School C	redit: 1		
Departme	ent	Electric	al an	d Computer Er	ngineering	Student Grade		1st			
Term		Second	Sem	nester	0 0	Classes per We	eek	2			
Textbook Teaching	and/or Materials	New Ra	iys Er	nglish Commu	nication I / New F	Rays WORKBOO	К				
Instructor	-	AKIMO	го ні	iromi							
Course	Obiectiv	es									
 To revi use it app To revi study guid To revi appropria Can rei To acq 	iew the vo propriately. iew the gra delines. iew senten tely, follow ad sentend uire Englis	cabulary lea ammar lea nces struct ving the hi ces writter sh pronunc	earne Irned Ures gh so I in E Liatior	ed at junior hig l at junior high learned in jun chool learning inglish, unders n skills and acc	gh school, acquire school, and learr ior high school, a guidelines. tand the text out cent rules so that	new vocabular n to use gramm nd learn to use line, read and e the student car	y follow ar rules sentene xtract r speak	ving the hi s appropria ce structur necessary c clearly ar	gh school learning guidelines, and ately, according to the high school res and operate them information. ad communicate to the listener.		
Rubric						1			1		
			I	deal Level		Standard Leve			Unacceptable Level		
Achievement 1			T n h a	The student ha new vocabulary nigh school lea and use it appr	s well acquired / following the rning guidelines opriately.	The student ha vocabulary foll school learning use it appropri	as acqu owing t guidel ately.	iired new the high lines and	The student has not acquired new vocabulary following the high school learning guidelines and use it appropriately.		
Achievem	ent 2		T u a h	The student ha use grammar r appropriately, a nigh school stu	s well learned to ules according to the dy guidelines.	The student ha grammar rules according to th study guideline	as learr approp ne high es.	ned to use priately, school	The student has not learned to use grammar rules appropriately, according to the high school study guidelines.		
Achievem	ent 3		T u o fc le	The student han se sentence stopperate them a collowing the hi earning guideli	s well learned to tructures and appropriately, igh school nes.	The student has sentence struct them appropria the high schoo guidelines.	as learr tures a ately, fo I learni	ned to use Ind operat ollowing ng	The student has not learned to e use sentence structures and operate them appropriately, following the high school learning guidelines.		
Achievement 4			T s u re ir	The student can centences writt understand the ead and extrac nformation.	n well read ten in English, text outline, ct necessary	The student ca written in Engl the text outline extract necess	in read ish, un e, read ary info	sentences derstand and ormation.	The student can not read sentences written in English, understand the text outline, read and extract necessary information.		
Achievem	ent 5		E a c	The student ha English pronun accent rules so an speak clear communicate to	dent has well acquired pronunciation skills and ules so that the student k clearly and nicate to the listener.		as acquiciation that that the the the the the the the the the th	uired skills and he studen istener.	The student has not acquired English pronunciation skills and accent rules so that the student can speak clearly and communicate to the listener.		
Assiane	d Depar	tment O	biec	ectives							
Teachin	a Metho	d	~								
Outline	griceno	Based of acquire	on the read	e junior high s ling skills. To a	chool learned con acquire the ability	itent, to underst to listen and ex	and th	e basic str simple Eng	ucture of English sentences and glish sentences. To perform word		
Style		tests ar Attend	nd str the c	rengthen vocal classes, prepar	bulary knowledge e for the classes s	studying the rele	evant s	ections of	the workbook.		
/-				to incrosco st	n the first week.	GO OVER the har		na unaers			
Notice		Student	s wh	no miss $1/4$ or	more of classes v	vill not be eligib	le for e	valuation.			
Charact	eristics o	of Class	/ Div	vision in Lea	arning						
Active	Learning			Aided by IC	T	☑ Applicable t	o Rem	ote Class	Instructor Professionally Experienced		
Course	Plan										
			The	eme			Goals				
		1st	Go	over the previ	ous lessons		To ove	ercome we	eak points		
		2nd	Cha	apter 5 Part 1/	2		Learn lesson	the vocab tasks.	ulary and grammar rules set as		
		3rd	Cha	apter 5 Part 2/	3		Learn lesson	the vocab tasks.	ulary and grammar rules set as		
	ard	4th	Cha Lan	apter 5 Part 4 Iguage and Cu	lture Workshop		Under throug	standing t gh authen	he cross-cultural communication tic materials.		
2nd 3rd Semeste		5th	Cha	apter 6 Part 1/	2		Learn lesson	the vocab tasks.	ulary and grammar rules set as		
r		6th	Cha	pter 6 Part 2/	3		Learn lesson	the vocab tasks.	ulary and grammar rules set as		
		7th	Cha Lan	apter 6 Part 4 guage and Cu	lture Workshop		Under throug	standing t gh authen	he cross-cultural communication tic materials.		
		8th	Cha	apter 7 Part 1/	2		Under throug	standing t gh authen	he cross-cultural communication tic materials.		
	4th Quarter	9th	Cha	hapter 7 Part 2/3			Learn lesson	the vocab tasks.	L. Instructor Professionally Experienced weak points bulary and grammar rules set as bulary and grammar rules set as the cross-cultural communication ntic materials. bulary and grammar rules set as bulary and grammar rules set as bulary and grammar rules set as the cross-cultural communication ntic materials. bulary and grammar rules set as the cross-cultural communication ntic materials.		

		10th	Chapter 7 Part 4 Language and Cu	ulture Worksho	ор	Learn the voca lesson tasks.	Learn the vocabulary and grammar rules set as lesson tasks.			
		11th	Chapter 8 Part 1	/2		Learn the voca lesson tasks.	Learn the vocabulary and grammar rules set as lesson tasks.			
		12th	Chapter 8 Part 2/3			Learn the voca lesson tasks.	bulary and gram	imar rules set as		
	13th Chapter 8 Part 4			Learn the voca lesson tasks.	Learn the vocabulary and grammar rules set as lesson tasks.					
14th F			Review			Understanding learned so far a	Understanding the weak points on the conte learned so far and preparing for the exam.			
	15th C					Understanding learned so far a	the weak points and preparing fo	e weak points on the content d preparing for the exam.		
		16th	Final exam			Test the studer learned so far.	Test the student understanding of the content learned so far.			
Evaluati	on Me	ethod and	Weight (%)							
		Examination	Assignments	Quizes	Behavior	Portfolio	Other	Total		
Subtotal		50	10	40	0	0	0	100		
Basic Proficiency	y	0	10	40	0	0	0	50		
Specialize Proficiency	d y	0	0	0	0	0	0	0		
Cross Area	ross Area roficiency 50		0	0	0	0	0	50		

Д	kashi Co	ollege		Year	2023		C	ourse Title	English I B-1	
Course	Informa	tion								
Course Co	ode	5115				Course Categor	γ	General ,	/ Compulsory	
Class For	mat	Lecture				Credits		School C	redit: 1	
Departme	ent	Electrica	l and	l Computer Ei	ngineering	Student Grade		1st		
Term		First Ser	neste	er		Classes per We	ek	2		
Textbook Teaching	and/or Materials	(1) 総合到	英語 E	Evergreen(参	参書、教科書、We	orkbook) (2) デ	ータベ	ース 5th I	Edition (3) ネクステージ	
Instructor	r	KITAGA	WA C	hiho						
Course	Objectiv	'es								
1) To rev use it app 2) To rev study gui 3) To rev appropria 4) To acq	iew the vo propriately iew the gr delines. iew senter tely, follow uire Englis	cabulary lea ammar lear nces structu ving the hi <u>c</u> sh pronunci	arned rned a ires le gh sch ation	d at junior hig at junior high earned in jun hool learning skills and acc	gh school, acquire school, and learr ior high school, a guidelines. cent rules so that	new vocabulary n to use gramma nd learn to use s the student can	r follow ar rules sentend speak	ving the h s appropri ce structu clearly ar	igh school learning guidelines, and ately, according to the high school res and operate them nd communicate to the listener.	
			Id	eal Level		Standard Level				
Achievem	ient 1		Th ne hig an	ne student ha ew vocabulary gh school lea nd use it appr	s well acquired / following the rning guidelines opriately.	The student ha vocabulary follo school learning use it appropria	s acqu owing t guidel ately.	ired new the high lines and	The student has not acquired new vocabulary following the high school learning guidelines and use it appropriately.	
Achievement 2			Th us ap hig	ne student ha se grammar r ppropriately, a gh school stu	s well learned to ules according to the dy guidelines.	The student ha grammar rules according to th study guideline	s learn approj e high s.	ned to use priately, school	 The student has not learned to use grammar rules appropriately, according to the high school study guidelines. 	
Achievement 3			Th us op fol lea	ne student ha se sentence si perate them a llowing the hi arning guideli	s well learned to tructures and appropriately, igh school ines.	The student ha sentence struct them appropria the high school guidelines.	s learn tures a tely, fo learni	ned to use nd operat ollowing ng	The student has not learned to use sentence structures and operate them appropriately, following the high school learning guidelines.	
Achievement 4			Th En ac ca co	ne student ha nglish pronun ccent rules so an speak clear ommunicate t	s well acquired ciation skills and that the student ly and o the listener.	The student has acquired English pronunciation skills and accent rules so that the student can speak clearly and communicate to the listener			The student has not acquired English pronunciation skills and accent rules so that the student can speak clearly and communicate to the listener.	
Assigne	d Depar	tment Ob	piect	tives						
Teachin	na Metho	bd	-							
Outline	<u> </u>	Based or acquire t vocabula	n the the al ary kr	ne junior high school learned content, to understand the basic structure of English sentences. To ability to listen and express simple English sentences. To perform word tests and strengthen knowledge.						
Style		Attend t	he cla	e classes, prepare for the classes studying the relevant sections of the workbook.						
Notice		Use quiz	zes t	es to increase student vocabulary and develop listening ability. Students who miss 1/4 or more of						
		classes v	will no	ot be eligible	for evaluation.					
Charact	eristics	of Class /		rision in Lea	arning	1				
Active	Learning		Ø	Aided by IC	Т	☑ Applicable to	o Remo	ote Class	Experienced	
Course	Dlan									
Course	Pidii		T la a 10				Carla			
		1 ct	Cour		ovalanation		Undor	etand the		
		150		se summary	explanation		Learn	the vocal	ulary and grammar rules set as	
		2nd	Lesso	on 1 & 2			lesson	tasks.	Sull'y and grammar rules set as	
		3rd	Less	on 3 & 4			Learn lesson	the vocat tasks.	pulary and grammar rules set as	
	1ct	4th	Lesso	on 5 & 6			Learn lesson	the vocat tasks.	oulary and grammar rules set as	
	Quarter	5th	Revie	ew			Under learne	standing d so far	the weak points on the content	
1st		6th	Revie	ew			Under learne	standing d so far	the weak points on the content	
1st Semeste r	7th	Lesso	on 7 & 8			Learn lesson	the vocat tasks.	oulary and grammar rules set as		
	8th	Lesso	on 9 &10			Learn lesson	the vocat tasks.	oulary and grammar rules set as		
		9th	Less	on 11 & 12			Learn lesson	the vocat tasks.	pulary and grammar rules set as	
	2nd	10th	Revie	ew			Under learne	standing d so far.	the weak points on the content	
	Quarter	11th	Less	on 13 & 14			Learn lesson	the vocat tasks.	oulary and grammar rules set as	
	-	12th	Less	on 15 & 16			Learn lesson	_earn the vocabulary and grammar rules set as esson tasks.		

	13th	Lesson 17 & 18			Learn the vocabulary and grammar rules set as lesson tasks.			
	14th	Lesson 19 & 20		L	earn the vocabulary an esson tasks.	d grammar rules set as		
	15th	Review		U le	Inderstanding the weak earned so far and prepa	weak points on the content preparing for the exam.		
	16th	End term exam	End term exam			Test the student understanding of the content learned so far.		
Evaluation	Method ar	nd Weight (%)						
		Examination	Short Tests	Oth	ners	Total		
Subtotal		60	0	40		100		
Basic Proficier	ncy	60	0	40		100		
Specialized Proficiency		0	0	0		0		
Cross Area Pr	roficiency	0	0	0		0		

A	kashi Co	ollege		Year	2023		C	ourse Title	English I B-2	
Course	Informa	tion								
Course Co	ode	5116				Course Categor	γ	General	/ Compulsory	
Class For	mat	Lecture				Credits		School C	redit: 1	
Departme	ent	Electrica	l and	d Computer Ei	ngineering	Student Grade		1st		
Term		Second	Seme	ester	0 0	Classes per We	ek	2		
Textbook Teaching	and/or Materials	(1) 総合	英語 [Evergreen(参	参書、教科書、We	orkbook) (2) デ	ータベ	ース 5th I	Edition (3) ネクステージ	
Instructo	r	KITAGA	WA C	Chiho						
Course	Ohiectiv	'es								
1) To rev use it app 2) To rev study gui 3) To rev appropria 4) To acq	iew the vo propriately iew the gr delines. iew senter iew senter tely, follow uire Englis	cabulary le ammar lean nces structu ving the hic sh pronunci	arned rned ires l gh scl ation	d at junior hig at junior high learned in jun hool learning n skills and acc	gh school, acquire a school, and learr ior high school, a guidelines. cent rules so that	e new vocabulary n to use gramma nd learn to use s the student can	r follow ar rules sentenc speak	ving the h appropri ce structu clearly ai	igh school learning guidelines, and ately, according to the high school res and operate them nd communicate to the listener.	
			10			Standard Level				
Achievem	ient 1		Th ne hi ar	he student ha ew vocabulary igh school lea nd use it appr	s well acquired y following the rning guidelines opriately.	The student ha vocabulary follo school learning use it appropria	s acqu owing t guidel ately.	the high ines and	The student has not acquired new vocabulary following the high school learning guidelines and use it appropriately.	
Achievement 2			Tł us ap hi	he student ha se grammar r ppropriately, a igh school stu	s well learned to ules according to the dy guidelines.	The student ha grammar rules according to th study guideline	s learn approp e high s.	ned to use priately, school	 The student has not learned to use grammar rules appropriately, according to the high school study guidelines. 	
Achievement 3			Th us op fo lea	he student ha se sentence si perate them a blowing the hi earning guideli	s well learned to tructures and appropriately, igh school ines.	The student ha sentence struct them appropria the high school guidelines.	s learn tures a tely, fo learni	ned to use nd operat ollowing ng	The student has not learned to use sentence structures and operate them appropriately, following the high school learning guidelines.	
Achievement 4			Tł Er ac ca cc	The student has well acquired English pronunciation skills and accent rules so that the student can speak clearly and communicate to the listener.			ired skills and he studen istener	The student has not acquired English pronunciation skills and accent rules so that the student can speak clearly and communicate to the listener.		
Assigne	d Depar	tment Ob	piect	tives						
Teachin	na Metho	d	<u> </u>							
Outline		Based or acquire	n the the a	e junior high s ability to listen nowledge.	chool learned con and express sim	itent, to underst ple English sente	and the	e basic st To perfor	ructure of English sentences. To m word tests and strengthen	
Style		Attend t	he cla	classes, prepare for the classes studying the relevant sections of the workbook.						
Nation		Use auiz	zes t	es to increase student vocabulary and develop listening ability. Students who miss 1/4 or more of						
nouce		classes v	will n	Il not be eligible for evaluation.						
Charact	eristics of	of Class /	' Div	ision in Lea	arning					
Active	Learning		\square	Aided by IC	Т	☑ Applicable to	o Remo	ote Class	 Instructor Professionally Experienced 	
Course	Plan									
			Ther	me			Goals			
		1st	Cour	rse summary	explanation		Under	stand the	class schedule	
		2nd	Less	on 21 & 22			Learn lesson	the vocat tasks.	oulary and grammar rules set as	
		3rd	Less	on 23 & 24			Learn lesson	the vocat tasks.	oulary and grammar rules set as	
	Qued	4th	Less	on 25 & 26			Learn lesson	the vocat tasks.	oulary and grammar rules set as	
	Quarter	5th	Revi	ew			Under learne	standing d so far.	the weak points on the content	
2nd		6th	Less	on 27 & 28			Learn lesson	the vocat tasks.	oulary and grammar rules set as	
Semeste r		7th	Less	on 29 & 30			Learn lesson	the vocat tasks.	oulary and grammar rules set as	
	8th	Less	on 31 & 32			Learn lesson	the vocat tasks.	oulary and grammar rules set as		
		9th	Less	son 33 & 34			Learn lesson	the vocat tasks.	oulary and grammar rules set as	
	4th	10th	Revi	ew			Under learne	standing d so far.	the weak points on the content	
	Quarter	11th	Less	on 35 & 36			Learn lesson	the vocat tasks.	oulary and grammar rules set as	
	-	12th	Less	on 37 & 38			Learn lesson	Learn the vocabulary and grammar rules set as lesson tasks.		

	13th	Lesson 39 & 40			Learn the vocabulary and grammar rules set as lesson tasks.			
	14th	Lesson 41 & 42		Learn the vocabulary and grammar rulesson tasks.				
	15th	Review			Understanding the weak learned so far and prepa	points on the content aring for the exam.		
	16th	End term exam	End term exam			Test the student understanding of the content learned so far.		
Evaluation	Method ar	nd Weight (%)						
		Examination	Short Tests	Ot	thers	Total		
Subtotal		60	0	40)	100		
Basic Proficien	псу	60	0	40)	100		
Specialized Proficiency		0	0	0		0		
Cross Area Pro	oficiency	0	0	0		0		

A	kashi Co	ollege	Year	2023		Course Title	Introduction to Active Learning	
Course	Informa	tion						
Course Co	ode	5117			Course Category	/ General	/ Compulsory	
Class Forr	mat	Seminar			Credits	School C	Credit: 1	
Departme	ent	Electrical a	nd Computer E	ngineering	Student Grade	1st		
Term		First Seme	ster		Classes per Wee	k 2		
Textbook Teaching	and/or Materials	授業内で適応	直資料を配布する	Do				
Instructor	-	TAKEDA Na	aho,HIRANO Ma	asatsugu,MIZUNO	Yuki			
Course	Objectiv	es						
自らの興味 識や技能を 互いに学び 以上の科目 1)他者と 2)他者の 3)自分目	・ 関心を把 いなう関わしてい があう関約をひ うこを聴うの まを聴り し うっ に うっ の に の に の に の に の に の の に の の の の の の	翌日、さらにからし、さらにからし、さらにからし、ういまえ、りの考え、 いまえ、りの下のろう、 しかまえ、いた取りのろのである。 とすることのでものできる。	他者と共有する。 方を知り、個人の 3 点を到達目標と うとすることが きる。 ができる。	自ら調べ、共に考; 2興味関心とともに: 2する。 できる。	え行動し、ふりかえ チームでの問題解決	こる能動的な学び Rに取り組み、量	がを体験し、基盤となるマインド、知 貴適解を目指す学びを体験する。	
Rubric					1			
			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	
評価項目1			他者とコミュニ: ことができる。	ケーションを取る	他者とコミュニケ うとすることがで	ーションを取ろ きる。	他者とコミュニケーションを取ろうとすることができない。	
評価項目2			他者の話を聴くる	ことができる。	他者の話を聴こう きる。	とすることがで	他者の話を聴こうとすることができない。	
評価項目3			自分自身を振り 。	返ることができる	自分自身を振り返 ができる。	ろうとすること	自分自身を振り返ろうとすることができない。	
Assigne	d Depar	tment Obje	ectives					
Teachin	g Metho	d						
Outline		高等教育機関では、自他な	関である高専では を知り、学びあう	は「自ら課題を設定し り関係性をあたため、	し、それにふさわし チームでの問題解	い解を見つけ出 決に取り組み、	ま」ことが求められます。この授業 「答え」をつくるという一連の流れ	
Bigger							評価は、講義内でのグループワーク、 初の中で、相手に伝わる表現力、自分 なってから自分の考えを内省する内省	
		合格の対象	としない欠席条件	=)欠課。			
Notice		学生同士の調査によります。	義論等を中心に参びが豊かになるた	加型学習の手法に。 め、学びの場を共(よって展開します。 こつくる過程に積極	自らの考えを声 動に参与してく	■に出し、他者の声に丁寧に耳を傾け ください。	
Charact	eristics of	of Class / D	vivision in Learning					
☑ Active	Learning		☑ Aided by IC	Aided by ICT			☑ Instructor Professionally Experienced	
Course	Plan							
		Th	eme			Goals		
		1st オ	リエンテーション	ィ(全員)	扎	受業の概要と目的	りを理解する。	
		2nd 自	己紹介&お互いを	モ知ろう(武田、荒	木) 其	もに授業を受ける	る仲間について知る。	
		3rd 科	学的な文章表現	(武田)	h 	艮拠となる論文∛ ♪らなる文章をℓ る。	を適切に引用して、序論・本論・結論 作成して自身の主張を示すことができ	
	1 et	4th 問	題定義の基礎(証	廿田)	E State Stat	見状と目標の明 まを用いて問題の	文化により問題を定義した上で、発想 の解決策を提案することができる。	
	Quarter	5th 問	題定義の応用(梵	荒木)	同 ノ	問題定義の技術 [・] ジ内容をもとに「	や発想法を活用し、他者へのヒアリン 問題の定義や解決策について検討する	
		6th ⊐	ミュニケーション	ン①(荒木)	文 行	付話的なコミュニ 析について理解(ニケーションに必要な傾聴と質問の技 し、実践する。	
1st Semeste		7th ⊐	ミュニケーション	ン②(安藤)	ō	さまざまな問題 ソションの手法(・課題を論じるために必要なディスカ こついて理解し、実践する。	
1		8th チ	ームワーク①(3	平野)	1	中間との学び合い	いを実践する。	
		9th チ	ームワーク②(平	平野)		チームでの問題的	解決を実践する。	
		10th 答	えのない問い 社会	会編①(荒木)	社 よ	复雑性や不確実 めの様々な手法を	生の高い社会の中で対象を分析するた を理解する。	
	2nd	11th 答	えのない問い 社会	会編②(荒木)	社	复雑性や不確実 めの考え方を理解	生の高い社会の中で価値を創造するた 解する。	
2nd Quarter	12th 答	えのない問い 科	学編①(安藤)	利 [月]	科学技術と社会の 点・相違点を知り	の関係を踏まえて、専門分野間の共通 り、異分野協働の重要性を理解する。		
		13th 答	えのない問い 科	学編②(安藤)	利 プ	科学技術と社会(の関係を踏まえて、立てた問いや導い ための手法を理解する。	
		14th ま	とめ① (武田)			この授業での学びについて振り返り、これからの学び 方について他者に話すことができる。		

		15th	まとめ② (武田)		この授業での学びについて 方について他者に提案する	こ振り返り、これからの学び ることができる。		
		16th						
Evaluation Method and Weight (%)								
		レア	ポート	発表・フィードバック	授業中課題	Total		
Subtotal		40)	20	40	100		
基礎的能力	J	20)	10	20	50		
分野横断的	的能力	20)	10	20	50		

Akashi College		Year	2023		Course Title	Music-1			
Course	Informa	tion							
Course Co	ode	5120			Course Categor	y General	/ Elective		
Class Forr	mat	Skill			Credits	School C	redit: 1		
Departme	ent	Electrical a	nd Computer E	ngineering	Student Grade	1st			
Term		First Seme	ster		Classes per We	ek 2			
Textbook Teaching	and/or Materials	Music I Tut	ti+(Kyoiku-Shu	ppan, Co.). Vario	us sheet music a	nd other printo	uts will also be distributed in class.		
Instructor	r	IZUMI Yuka	à						
Course	Objectiv	es							
 Acquire and practice the basics of vocalization and chorus. Master the basics of chord names. Learn the basics of the recorder flute and practice them. Plan and practice musical performance. 									
Rubric					1		1		
			Ideal Level		Standard Level		Unacceptable Level		
Achievem	ient 1		The student ac practiced the b vocalization an	quired and asics of d chorus well.	The student ac practiced the b vocalization and	quired and asics of d chorus.	The student did not acquire or practice the basics of vocalization and chorus.		
Achievem	ient 2		The student me basics of chord	astered the names well.	The student ma basics of chord	astered the names.	The student did not master the basics of chord names.		
Achievem	ient 3		The student ac of the recorder practiced them	quired the basics flute and well.	The student act the recorder flu them.	quired basics of te and practiced	The student did not acquire the basics of the recorder flute or practice them.		
Achievem	ient 4		The student co practice musica well.	uld plan and al performances	The student co practice basic r performances.	uld plan and nusical	The student could not plan or practice musical performances.		
Assigne	d Depar	tment Obje	ctives						
Teaching Method									
Outline		To know th	e joy of expres	sing yourself thro	ugh music. Expe	rience not only	disposable music, but also genuine		
		"music" tha	t has survived	times regardless	of its eastern or	western origins	·		
Style		Pratical cla	sses of music e	xpression.		-	6 1 1 1 1 1 1 1		
Notice		careful and Prepare red Students w Practical ex in Japan ar	serious practic corder flutes (al ho miss 1/4 or perience: The id overseas, an	e. Also, since this II) and pianica flut more of classes v instructor is an ex d can use her exp	course deals wi tes (for those wh will not be eligible perienced vocal perience to teach	th "sound", refr. o have them). e for evaluation. ist. She has co- students with s	ain from unnecessary private talk. starred in recitals and orchestras specific and up-to-date information		
Charact	eristics	of Class / D	ivision in Le	arning					
☑ Active	Learning	,	Aided by IC	d by ICT 🛛 Applicable		o Remote Class	☐ Instructor Professionally		
					1				
Course	Plan								
		Th	eme			Goals			
		1st Pa	rting, grouping	, stretching, vocal	lization	To be able to si	ng a simple two-voice song.		
		2nd Et	Ide I for Chora		e song	To sing simple	songs with piano accompaniment		
		3rd Et	ude II for Chora			To sing simple :	songs with piano accompaniment.		
		4th Ch	ord name Basi	cs I		Understand the	simplest 3 chords.		
	1st	5th Et	Jde III for Chor	al		Can sing 2-voic	e or 3-voice J/POP.		
	Quarter	6th Et	ude IV for Chor	al		Can get the cor	rect pitch even in a few people		
		7th Et	ude V for Chora	al		Harmony can b	e echoed beautifully, even in a few		
1st		8th Ch	ord name Basi	cs II		Chord name pro	actice and quizzes, group		
Semeste		9th Et	ide VI for Chor	al		Final practice for	or the group presentation		
1		10th Et	ude VII for Cho	ral		The group will provide the something to of satisfaction.	bresent and be able to transmit ther people, beyond self-		
		11th Re	corder Flute Ba	isics I		Rediscover the	charm of the recorder flute!		
	2nd	12th Re	corder Flute Ba	isics II		Play a simple e	nsemble.		
	Quarter	13th Pla	anning and prac	ctice for practical	skill test I	To plan a free r expertise field.	nusic performance in the students'		
		14th Pla	anning and prac	ctice for practical s	skill test II	To plan a free r expertise field.	nusic performance in the students'		
		15th Pr	actical test and	"Class presentation	on"	Practical test ar	nd "Class presentation"		
		16th No	end term exar	n					
Fvaluati	ion Meth	od and We	iaht (%)						

	Attendance	Behavior	Pratical Test	Vocal/Flute	Chord Test	Other	Total
Subtotal	10	15	35	20	20	0	100
Basic Proficiency	10	8	25	20	20	0	83
Specialized Proficiency	0	0	0	0	0	0	0
Cross Area Proficiency	0	7	10	0	0	0	17

Akashi College		Year	2023		Course Title	Music-2				
Course	Informa	tion								
Course Co	ode	5121			Course Category	/ General	/ Elective			
Class Forr	mat	Skill			Credits	School C	Credit: 1			
Departme	ent	Electrical	and Computer E	ngineering	Student Grade	1st				
Term		Second Se	emester		Classes per Wee	ek 2				
Textbook Teaching	and/or Materials	①歌いやる	すい合唱曲の楽譜	②コードネームに関	関するプリント ③音	③音楽 I Tutti+(教育出版)				
Instructor	-	IZUMI Yu	ka							
Course	Objectiv	es								
1. 発声とき 2. コード 3. リコーダ 4. 音楽的な	合唱の基礎 ネームの基礎 ダーの基礎 なパフォー	を習得し、実証 歴を習得してい を習得し、実証 マンスについっ	浅できる。 いる。 浅できる。 <u>て企画・実践でき</u>	⊲.						
Rubric										
			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			
評価項目1			発声と合唱の基	礎を十分に習得し きる。	発声と合唱の基礎 できる。	を習得し、実践	発声と合唱の基礎を習得・実践が できない。			
評価項目2			コードネームの している。	基礎を十分に習得	コードネームの基 る。	礎を習得してい	コードネームの基礎を習得できない。			
評価項目3			リコーダーの基	礎を十分に習得し きる。	リコーダーの基礎 できる。	を習得し、実践	リコーダーの基礎を習得・実践できない。			
評価項目4			音楽的なパフォ 的確に企画・実	ーマンスについて 践できる。	音楽的なパフォー 企画・実践できる	マンスについて	音楽的なパフォーマンスについて 企画・実践できない。			
Assigne	d Depar	tment Obi	ectives							
Teachin	a Metho	d								
Outline	_		,て自分自身を表現 を洋の東西を問れ	見する喜びを知る。 つず体験する。	ちまたに溢れる使い	い捨ての音楽だけ	けでなく、時代を経ても生き残る本物			
Style		授業は主と 連絡員://	して音楽表現の実	長田市で進める。						
Notice		テキストや 「音」を扱 評価の対象 実務経験:	楽曲はレベルの高 う科目なので不要 さとしない欠席条件 声楽家として国内	高いものもあります。 要な私語は慎むこと ‡(割合) 1/4以上の 5外でのリサイタル	。丁寧かつ真剣に緘 。リコーダー(全員) 欠課。 やオーケストラとの	褶しなければ う・ピアニカ(もし の 共演があり、そ	値成感を得ることができません。また ∪あれば)を用意すること。 €の経験を活かして、学生に音楽上の			
)最新の情報でもこ	oて指導できる。						
Charact	eristics	of Class /	Division in Le	In Learning						
☑ Active	Learning		□ Aided by IC	T	☑ Applicable to	Remote Class	Experienced			
Course	Plan	_								
		T	heme		(
		1st 7	ア・カペラに挑戦	Ι		ます8小節程度の 実感しながら歌き)短い4声部の曲で美しいハーモニーを う。			
		2nd 7	7・カペラに挑戦]	Π		ア・カペラの選打 グループで練習す	沢曲からグループに適したものを選び する。			
		3rd 7	7・カペラに挑戦I	Π	ž.	線習&チェックを繰り返して、自分たちの進歩を実感 する。				
	3rd	4th 7	⁷ ・カペラに挑戦I	V		グループ発表会 [−] 寅奏を集中して聞	で演奏することだけでなく、他の人の 聴く喜びを味わう。			
	Quarter	5th 🗆]ードネームの基礎	楚Ⅲ	Ī	前期に学習した3 - ドを覚える。	3和音に加えてセブンスコード・分数コ			
		6th 🗌]ードネームの基础	楚IV	Į.	原則を覚えたコ- の曲の中でも読る	- ドを練習問題を繰り返すことで実際 み取れるようにする。			
2nd Semeste		7th 一]ードネームの基礎 養式感の異なる楽的	楚∨ 曲を聞き比べる音楽	·鑑賞。	<u>ドネームは</u> こだ単に知識を 切にする。	第6週の復習。 詰め込むだけでなく、自分の感性を大			
r		8th 🗌]ードネームの基础	楚VI	/	トテストで知識(の確認。			
		9th 哥	かう喜び I		- 14	最新の現代人気(スの男女構成に。	乍曲家による合唱曲に挑戦する。クラ よってアレンジを変えることもある。			
		10th 哥	炊う喜び Ⅱ			できるだけ良い教	発声と響きでもって、曲の細部ま。			
		11th 哥	炊う喜びⅢ		Î	各自が良い響きる 現で全員で歌う	を意識し、丁寧かつダイナミックな表 喜びを実感する。			
	4th Quarter	12th 🗐	ミ技テストのための	D企画・練習 I		実技テストのため ブル・ギターソバ	ーーーーーーーーーーーーーーーーーーーーーーーーーーーーーーーーーーーー			
		13th 🗐		の企画・練習Ⅱ		限られた時間と認				
		14th 🗐	ミ技テストのための	の企画・練習Ⅲ		東習を積み仕上に	ガる。			
		15th 🗐	ミ技テスト兼「クラ	ラス発表会」一年の	総まとめ	実技テスト兼「	クラス発表会」一年の総まとめ			
		16th 其	月末試験実施せず							
Evaluati	ion <u>Me</u> th	iod and W	eight (%)							

	出席状況	平常点	実技テスト	歌またはリコーダ ー小テスト	コードネーム小テ スト	Total
Subtotal	10	15	35	20	20	100
基礎的能力	10	8	25	20	20	83
専門的能力	0	0	0	0	0	0
分野横断的能力	0	7	10	0	0	17

A	kashi Co	ollege	Year	2023		Cc T	ourse Title	Art-1
Course	Informa	tion						
Course Co	ode	5122			Course Catego	ry	General /	Elective
Class Forr	nat	Skill			Credits		School Cr	edit: 1
Departme	ent	Electrical a	and Computer E	ngineering	Student Grade		1st	
Term		First Seme	ester		Classes per We	eek	2	
Textbook Teaching	and/or Materials	Art 1 (Mits	sumura Tosho P	ublishing). Various	s printouts will a	also be c	listributec	l in class.
Instructor	-	OHNO Ryo	ohei					
Course	Objectiv	es						
1. Can ex 2. Can ap 3. Unders	press thin preciate w tand the r	gs in several orks of art a elationship b	art forms. nd comment on etween real life	them in groups. and art.				
Rubric			1		1			T
			Ideal Level		Standard Level			Unacceptable Level
Achievem	ent 1		Can express th several art forr	nings freely in ms.	Can express th art forms.	ings in s	several	Cannot express things in several art forms.
Achievem	ent 2		Can accurately of art and com groups.	appreciate works ment on them in	Can appreciate comment on th	works onem in a	of art and group.	Cannot appreciate works of art and comment on them in a group.
Achievem	ent 3		Can fully under relationship be and art.	rstand the tween real life	Can understand between real li	d the re fe and a	lationship Irt.	Can not understand the relationship between real life and art.
Assigne	d Depar	tment Obj	ectives					
Teachin	g Metho	d						
Outline		By expres works (cla is related	sing things in di y works), color to real life.	fferent art forms ir (color materials),	ncluding 2-dimn ideas (images),	nensiona student	al portray s refine t	ng (sketching), 3-dimmensional neir sensitivity and learn how art
Style		Classes ar Liaison: Jo	e mainly conduc ohn C. Herbert	nly conducted through practical lessons on how to express things in different art forms. . Herbert				
Notice		This subje work and questions This cours motivated cleaning u Students	ct is taught by a writing activities what art really r e requires indivi attitude. A F6-s p the classroom who miss 1/4 or	a teacher who has s as a contemporal means. iduals to take their size sketchbook is a fter lessons are more of classes w	been practicing ry art writer. Ap own initiative. used in classes. mandatory. vill not be eligibl	town d plying f Student Do not e for ev	evelopme his experie s are requinations forget thi aluation.	nt for many years through his art ences to practical lessons, he uired to create art with a ngs like tools. Tidying and
Charact	eristics (of Class / I	Division in Le	arning		0.0.0.		
☑ Active	Learning		□ Aided by ICT □ Applicable to Remote Class □ Instru Experience			Instructor Professionally Experienced		
Course	Plan							
		Т	heme			Goals		
		1 _{st} E	xplaining the cla	ass content, tools,	appreciation of			
		^{13c} w	orks of art, assi	gnments for the n	ext class			
		2nd S	ketching 1			lo drav	w Sketch	1.
		3rd S	ketching 2			lo drav	w Sketch	2.
	1st Quarter	4th S	ketching 3			To drav	w Sketch	3.
	Quarter	Sth S	ketching 4				W Sketch	4. -
			ketching 5				W Sketch	c.
		8th A	bstract expression	on using color mat	terials (image	To exp	ress thing	s in an abstract art form using
1st Semeste		9th A	bstract expression	on using color mat	terials (image	To exp	ress thing	s in an abstract art form using
r		10th A	bstract expression	on using color mat	terials (image		ress thing	s in an abstract art form using
		11th A	bstract expression of the stract expression of	on using color mat	terials (image		ress thing	s in an abstract art form using
	2nd Quarter	12th G	roup work / exp	laining the assign	ment for the	To com	ment on	works expressed in an abstract
1		13th F	igure (replicating	g skeletal frame 1)	To drav	v replicati	ng skeletal frame of figure.
		14th F	iaure (croauis di	rawing 1)	,	To drav	v croauis.	··· j •··•·•••·
15th		15th F	iqure (croquis di	rawing 2)		To draw croquis.		
16th No final exam								
Evaluati	ion Meth	od and W	eight (%)					
			Practical skill n	roduction	Attendance · B	ehavior		Total
Subtotal			80		20	2		100
Basic Prof	ficiency		80		20			100

Specialized Proficiency	0	0	0
Cross Area Proficiency	0	0	0

Akashi College		Year	2023		C	ourse Title	Art-2		
Course	Informa	tion							
Course Co	ode	5123			Course Catego	ry	General	/ Elective	
Class For	mat	Skill			Credits		School C	redit: 1	
Departme	ent	Electrical a	nd Computer E	ngineering	Student Grade		1st		
Term		Second Se	mester		Classes per We	eek	2		
Textbook Teaching	and/or Materials	Art 1 (Mits	umura Tosho P	ublishing). Variou	s printouts will a	also be	distribute	d in class.	
Instructor	r	OHNO Ryc	hei						
Course	Objectiv	es							
1. Can ex 2. Can ap 3. Unders	press thin preciate w stand the r	gs in several /orks of art ar elationship be	art forms. Id comment on etween real life	them in groups. and art.					
Rubric					•				
			Ideal Level		Standard Leve			Unacceptable Level	
Achievem	nent 1		Can express th several art forr	ings freely in ns.	Can express th art forms.	ings in	several	Cannot express things in several art forms.	
Achievem	nent 2		Can accurately of art and com groups.	appreciate works ment on them in	Can appreciate comment on th	e works nem in	of art and a group.	Cannot appreciate works of art or comment on them in a group.	
Achievem	ient 3		Can fully under relationship be and art.	rstand the tween real life	Can understan between real li	d the r fe and	elationshij art.	Can not understand the relationship between real life and art.	
Assigne	<u>ed Depa</u> r	<u>tment Obj</u> e	ectives						
Teachin	ng Metho	d							
Outline	-	By express works (cla is related t	sing things in di y works), color o real life.	fferent art forms i (color materials),	ncluding 2-dimn ideas (images),	nensior studer	nal portray	/ing (sketching), 3-dimmensional their sensitivity and learn how art	
Style		Classes are Liaison: Jo	e mainly conduc hn Herbert	ted through pract	ical lessons on l	how to	express t	hings in different art forms.	
Notice		This subje work and questions This cours motivated cleaning u Students v	ct is taught by a writing activities what art really i e requires indivi attitude. A F6-so the classroom who miss 1/4 or	a teacher who has s as a contempora means. iduals to take thei size sketchbook is after lessons are more of classes v	been practicing ry art writer. Ap r own initiative. used in classes. mandatory. vill not be eligibl	Studer Do no Do no le for e	developm his experints are rec t forget th valuation.	ent for many years through his art iences to practical lessons, he quired to create art with a nings like tools. Tidying and	
Charact	eristics	of Class / F	ivision in Le	arning					
☑ Active	Learning		□ Aided by IC	T	☑ Applicable t	o Rem	ote Class	Instructor Professionally Experienced	
Course	Plan								
		TI	neme			Goals			
		1st Gi	oup work / exp ext class 4	laining the assign	ment for the	To cor drawir	nment on ngs in a g	replicated drawings and croquis roup.	
		2nd Fi la	eldwork 1 (outd ndscapes and th	loor sketching, an nings)	d memorable	To ske	To sketch outdoors.		
		3rd Fi la	eldwork 2 (outd ndscapes and th	loor sketching and nings)	l memorable	To ske	etch outdo	oors.	
	3rd Quarter	4th Fi la	eldwork 3 (outd ndscapes and th	loor sketching, an nings)	d memorable	To ske	etch outdo	oors.	
		5th Gi	roup work / exp ext class 5	laining the assign	ment for the	To cor	To comment on outdoor sketches in a group.		
		6th D	esign (creating	a character 1)		To des	sign a cha	racter.	
		7th D	esign (creating	a character 2)		To des	sign a cha	racter.	
2nd		8th D	esign (creating	a character 3)		To des	sign a cha	racter.	
Semeste r		9th ur ar	nvironmental ar ban landscape , nd society)	t 1 (art work that / the relationship	emerges into between art	То ар	oreciate e	nvironmental art.	
		10th ur ar	nvironmental ar ban landscape , nd society)	t 2 (art work that / the relationship	emerges into between art	То ар	oreciate e	nvironmental art.	
	4th Quarter	11th Er ar	nvironmental ar ban landscape nd society)	t 3 (art work that / the relationship	emerges into between art	То ар	oreciate e	nvironmental art.	
		12th Ex	pressing ideas	1 (image training))	To exp	oress idea	S	
		13th Ex	pressing ideas	2 (image training))	To exp	oress idea	S	
		14th Ex	pressing ideas	3 (image training))	To exp	oress idea	S	
		15th G	eneral review of	art		To un	derstand t	he content of general review.	
		16th N	o final exam						
Evaluat	ion Meth	od and We	eight (%)						

	Practical skill production	Attendance · Behavior	Total
Subtotal	80	20	100
Basic Proficiency	80	20	100
Specialized Proficiency	0	0	0
Cross Area Proficiency	0	0	0

Akashi Colleg		ollege		Year	2023	Course Title	E	electric Circuits I	
Course	Informa	tion					•		
Course Co	ode	5128				Course Catego	ry Speci	alized	l / Compulsory
Class Form	mat	Lecture				Credits	Acade	emic (Credit: 2
Departme	ent	Electrica	al and	Computer E	ngineering	Student Grade	1st		
Term		Second	Semes	ster		Classes per We	ek 2		
Textbook Teaching	and/or Materials	教科書:	金原粲	经:電気回路改調	訂版、実教出版				
Instructor	-	OHMUK	AI Mas	sato					
Course	Objectiv	es							
[1] To un [2] To be [3] To un perform e	derstand t able to wi derstand t equivalent	he relation rite circuit he relation circuit crea	ships equati ship b ation a	among char ons, to solve between The ind calculatio	ge, current and po e them, and to per venin's theorem a ons of circuits.	otential, and to l form calculation nd Norton's the	be able to exp ns using spec orem, to be a	plain ific nu able to	and calculate them. umerical values. o explain it, and to be able to
Rubric									
			Exc	cellent		Good			Insufficient
1			The the cur abl the	e student ca e relationship rrent and po le to explain em.	n understand os among charge, tential, and to be and calculate	The student ca relationships an current and po able to explain	n understand mong charge tential, and t them.	l the , o be	The student can not understand the relationships among charge, current and potential, and are not be able to explain them.
2			The circ and usi	e student is cuit equatior d to perform ing specific r	able to write ns, to solve them, calculations numerical values.	The student is circuit equation	able to write າຣ.		The student is not able to write circuit equations.
3			The une bet and abl to cre cire	e student is derstand the tween Theve d Norton's th le to explain perform eque eation and ca cuits.	able to e relationship enin's theorem neorem, to be it, and to be able ivalent circuit alculations of	The student is able to understand the relationship between Thevenin's theorem and Norton's theorem, and is able to explain it.			The student is not able to understand the relationship between Thevenin's theorem and Norton's theorem.
Assigne	d Depar	tment O	bjecti	ives					
Teachin	g Metho	d							
Outline		The stue this cou are not circuits	dents v rse, th only th and ar	will master [ne target is t he foundatio n important	DC circuits based on o be able to calcul n of AC circuits to theme.	on the knowledg late the electric be learned in th	e of electricit current, volta ne future, but	ty lea age, p t also	rned at junior high school. In power etc. in circuits. DC circuits the basis of electric / electronic
Style		In this of master understates students	course, electric anding s know	, the lecture cal circuit, it g. Therefore, vledge acqui	s and exercises wi is essential that t before the end of rement.	ll be conducted he students solv f class, quizzes a	using supple ve problems, and task repo	menta solvir orts w	ary materials and texts. To ng problems leads to a better ill be conducted to ensure
Notice		The con respect	itent o the de	f this course eadline of the	e is of 90 hours, ar e assignments. (ι	nd it includes sel up to 5 absences	lf-learning tin are excused	ne. Tl)	he students should strictly
Charact	eristics of	of Class /	/ Divi	ision in Le	arning				
☑ Active	Learning			Aided by IC	Т	☑ Applicable t	© Remote Class □ Instructor Professionally		
									· ·
Course	Plan								
			Them	ne			Goals		
		1st	What conne	are electricated are elec	al circuits: Ohm's arallel connection	law, serial of resistors.	Understand current, etc. resistance.	Ohm' And	s law and calculate voltage, to calculate combined
		2nd	What how t comb	are electrica to determine pined resistar	al circuits: Applied division ratio, div nce.	exercises of vision ratio,	To use a split ratio and a partial pressure ratio. Learn how to determine advanced synthetic resistance.		
	3rd	3rd	Powe and c consid	r supply and current sourc dering interr	l electric power: V ce, and power sup nal resistance	oltage source ply circuit	To understa current sour be able to pe voltage sour source equiv	nd the ce an erforr ce eq valent	e concepts of a voltage source, d internal power supply, and to n interconversion between a juivalent circuit and current circuit.
2nd Semeste r	Quarter	4th	Powe electr	r supply and ic energy ar	l electric power: E nd maximum elect	lectric power, ric power	To be able to consumed b maximum el the load.	o calc y the ectric	ulate the electric power load in a circuit and the power that can be supplied to
		5th	Circui meth	it equation: od	Kirchhoff's law, loo	op current	To understates establish the	nd Kir e loop	rchhoff's law, and to be able to current method.
		6th	Circui	it equation:	Node voltage met	hod	To solve equ method.	ation	s using the node voltage
		7th	Revie	ew			Eliminate do	ubts.	
		8th	Mid-te	erm Exam			To solve cor	rectly	more than 60% of the exam.
	4th Quarter	9th	Vario	us circuits: E	Bridge circuit		To understar Wheatstone resistance va calculation n	nd the bridg alues netho	e equilibrium condition of the je and to be able to calculate and current value by various ids.

	1	L0th	Various circuits: Y cor	Various circuits: Y connection and Δ connection To be able to derive the form conversion and the inverse c				
	1	L1th	Various circuits: Supe	rposition principle (Part 1)	To unde voltage current	To understand the superposition principle of voltage sources and to be able to calculate a current from the equivalent circuit.		
12th 13th			Various circuits: Thev	To unde to calcul	To understand Thevenin's theorem and to be able to calculate a current from the equivalent circuit.			
			Various circuits: Nort	Various circuits: Norton's theorem			To understand Norton's theorem and other circuit theorems.	
	14th		Practice	To get to	echnical skills fo	r problems		
	1	L5th	Review		Eliminat	Eliminate doubts.		
	1	L6th	End-term Exam		To solve	To solve correctly more than 60% of the exam.		
Evaluation	Metho	d and	Weight (%)					
Те		est	Assignments	etc		Total		
Subtotal 70)	0	30		100		
Basic Skills	Basic Skills 0		0	0		0		
Specialized S	Skills	70)	0	30		100	

А	Akashi College Year 2023		Course Title	Computer Programming I						
Course	Informa	tion			-					
Course Co	ode	5129			Course Catego	ry Specializ	ed / Compulsory			
Class For	mat	Lecture			Credits	Academi	ic Credit: 2			
Departme	ent	Electrical	and Computer E	ngineering	Student Grade	1st				
Term		Second Se	mester		Classes per We	ek 2				
Teaching	and/or Materials									
Instructor	r	HIRANO M	lasatsugu							
Course	Objectiv	es								
[1] Can p [2] Can w [3] Can w [4] Can w	erform bas vrite progra vrite progra vrite progra	sic Linux ope ams that con ams that con ams that con	rations. tain conditional tain iterations ir tain arrays in C.	branches in C. n C.						
Rubric										
			Ideal Level		Standard Level		Unacceptable Level			
Achievem	ent 1		Can perform ba	asic Linux	Can perform ba	asic Linux	Cannot perform basic Linux			
			operations acci	urately.	operations.	venee thet	operations.			
Achievem	ient 2		contain comple branches in C.	ex conditional	contain condition	onal branches ir	contain conditional branches in C.			
Achievem	ient 3		Can write prog contain iteratio multiple ways.	rams that ons in C in	Can write prog contain iteratio	rams that ns in C.	Cannot write programs that contain iterations in C			
			Can write prog arrays and two arrays in C.	rams that use dimensional	Can write prog arrays in C.	rams that use	Cannot write programs that use arrays in C.			
Assigne	d Depar	tment Obj	ectives							
Teaching Method										
Outline	2	The cours solving an	e will provide leo d programming	ctures and exercis skills.	es on programm	ning in C to esta	blish a foundation for problem			
Style		The first v Lab. In th learn for t assignmer	veek will be in the Information Ba ne week and do nts.	ne classroom, and asics Lab,, the cla ing programming	the from secon ss will alternate exercises. Stude	d week, the clas between explan ents are required	s will be in the Information Basics ations about the content you will d to complete ten programming			
Notice		This cours in classes reports. Ir with the a assignmer Students	e's content will amount to 90 hours of study in total. These hours include learning time guarantee and the standard self-study time required for pre-study / review, and completing assignment addition to the lecture hours, students should visit the Information Basics Lab frequently and lear ttitude, "practice makes perfect." Students who have submitted fewer than six programming its will not be eligible for a passing grade. who miss 1/3 or more of classes will not be eligible for a passing grade.							
Charact	eristics of	of Class / I	Division in Learning							
☑ Active	Learning		☑ Aided by IC	T	☑ Applicable t	o Remote Class	☑ Instructor Professionally Experienced			
Course	Plan									
		Т	neme			Goals				
		1st B	asic knowledge rocessing	of programming a	and information	Can list the con binary digits (ir on 2, and 32-b	nponents of a computer. Can use nteger and decimal), complement it floating point numbers			
		2nd Li	nux, Emacs, cor	mpile, and run		Can perform ba compile, and ru	asic Linux operations. Can write, In programs in C.			
	ard	3rd V	ariables, types,	outputs, inputs, b	asic operations	Can use variabl simple assignm types according contain data in	es, arithmetic operators, and ent operators. Can use the basic gly. Can write programs that puts and outputs.			
	Quarter	4th C	haracters, hexad ss of trailing dig	decimal numbers, jits	exponents,	Can use charac exponents. Car digits mean.	ters, hexadecimal numbers, and explain what the loss of trailing			
2nd Semeste		5th O	perators, logical	operations, casts	;	Can use assign logical operatio	ment operators. Can perform ns and casts.			
r		6th S	ructured progra	amming, condition	al branches 1	Can explain wh write if stateme	at the structure theorem is. Can ents.			
		7th C	onditional branc	hes 2 of 2		Can write swite	h statements.			
		8th M	idterm exam							
	91		idterm exam co	mments, iteratio	n 1 of 3	Understand wh midterm exam.	ere you made mistakes on the Can write do statements.			
		10th It	eration 2 of 3			Can write while	and for statements.			
	4th Quarter	11th It	eration 3 of 3			Can write neste	ed iterative statements.			
		12th A	rrays			Can explain set	s and columns. Can scan, initialize,			
		13th A	gorithms and flo	owcharts		Can explain alg	orithms. Can write flowcharts.			
		14th	М	latrices and a two	o-dimensional arı	rays 1 of 2	Can add and subtract in matrices. Can add and subtract matrices using two-dimensional arrays.			
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		15th	Μ	latrices and two-	dimensional arra	ys 2 of 2	Can multiply matrices. Can multiply matrices using two-dimensional arrays.			
		16th	Fi	inal exam						
Evaluati	on M	ethod and	W	eight (%)						
		Examination Presentation Mutual between students Behavior				Portfolio	Other	Total		
Subtotal		70		30	0	0	0	0	100	
Basic Proficiency 0			0	0	0	0	0	0		
Specialize Proficiency	d y	70		30	0	0	0	0	100	
Cross Area Proficiency	a y	0		0	0	0	0	0	0	

A	kashi Co	ollege	Year	2023		Course Title	Computer Literacy A
Course	Informa	tion					
Course Co	ode	5130			Course Categor	y Speciali	zed / Compulsory
Class Forr	nat	Lecture			Credits	School (Credit: 1
Departme	ent	Electrica	l and Computer E	ngineering	Student Grade	1st	
Term		First Sen	nester		Classes per We	ek 2	
Textbook Teaching	and/or Materials						
Instructor	-	NAKAI Y	uichi				
Course	Objectiv	es					
(1) Under (2) Under (3) Can ir (4) Under	stand basi stand basi put letters stand how	c knowledg c knowledg s by touch t v to use the	e of computer ha le of Markdown. cyping. Internet at schoo	rdware and softwa	are. ile keeping in mi	nd the various	rules in an information society.
Rubric			- 1				
			Ideal Level		Standard Level		Unacceptable Level
Achievem	ent 1		Can accurately explain the basic can explain aspects of computer hardware and software.			basic aspects ware and	of Cannot explain the basic aspects of computer hardware and software.
Achievem	ent 2		Can create cor using basic kno Markdown.	nplex documents owledge of	Can create sim using basic kno Markdown.	ple documents wledge of	Cannot create simple documents using basic knowledge of Markdown.
Achievem	ent 3		Can touch type speed.	e at a sufficient	Can touch type		Cannot touch type.
Achievem	ent 4		Can discuss wi what they can better informa think about pro arise in an info and handle the arise.	th others about do to make a tion society. Can blems that may rmation society, en when they	Can put the thi to make a bette society into act communicate the problems that r information soc handle them w	ngs they can de er information ion. Can neir ideas abou nay arise in an iety, and how t nen they arise.	 Do not understand what they can do to make a better information society. Do not understand problems that may arise in an information society, and how to handle them when they arise.
Assigne	d Depar	tment Ob	jectives				
Teachin	a Metho	d	•				
Outline	<u></u>	Students	will learn about	computer software	e and basic know	ledge of softw	are and hardware, and acquire
Style		Eollowing	nputer usage skil the classroom le	IS. Actures students v	will have a lab		
Notice		Labs will by using themselv Students	make up a large their breaktime, ves. Students will who miss 1/3 or	proportion of the etc. to catch up or be required to acc more of classes w	class, so studen n their work. Stu quire touch typin vill not be eligible	ts will be requir dents are also g skills. All ass e for evaluation	ed on their own to make an effort expected to think and act by gnments must be submitted.
Charact	eristics of	of Class /	Division in Le	Division in Learning			
□ Active	Learning		☑ Aided by IC	т	☑ Applicable to	Remote Class	□ Instructor Professionally
			,				
Course	Plan						
			Theme			Goals	
		1st	Computer basics	(Hardware)		Can explain an configuration.	overview of a computer hardware
		2nd	Computer basics	(Hardware)		Can explain an configuration.	overview of a computer hardware
		3rd	Computer basics	(Software)		Can explain the systems, and e	e roles and types of operating explain features of key OSs.
		4th	Computer basics	(Software)		Can explain the	e types of application software.
	1st Quarter	5th	Using the networ	k		Can use the e- Understand ho and can act wh rules in an info	learning system, etc. at school. w to use the Internet at school, ile keeping in mind the various rmation society.
1ct		6th	Installation of Lin	ux		Can explain ho	w to start and shutdown of Linux
Semeste		7th	Configuration of I	_inux		Can make som environment.	e personalization of Linux desktop
8tl 9tl 10	8th	Configuration of I	_inux		Can make som environment.	e personalization of Linux desktop	
	9th	Introduction to M	arkdown		Can explain the	e concept and idea of Markdown.	
	10th	Introduction to M	arkdown		Can explain Ma	irkdown key tags.	
		11th	Introduction to M	arkdown		Can create sim	ple documents using Markdown.
	2nd Quarter	12th	Introduction to M	arkdown		Can convert Ma forms.	arkdown documents to various
		13th	Formulas			Can explain co formulas, whic	mmands to create mathematical his a LaTeX function.
		14th	Formulas			Can create sim functions.	ple formulas using LaTeX

		15th	Formulas			Can create comp functions.	licated formulas	using LaTeX		
		16th	Final exam							
Evaluati	on Met	hod and V	Weight (%)							
	E	kamination	Presentation	Touch Typing	Behavior	Portfolio	Other	Total		
Subtotal	7	C	20	10	0	0	0	100		
Basic Proficiency	y 7	C	20	10	0	0	0	100		
Specialized Proficiency	d o		0	0	0	0	0	0		
Cross Area	a o		0	0	0	0	0	0		

Δ	Akashi College		Y	ear	2023		Cc T	ourse Fitle	Computer Literacy B
Course	Informa	tion							
Course Co	ode	5131				Course Catego	ry	Specializ	ed / Compulsory
Class For	mat	Lecture				Credits		School C	redit: 1
Departme	ent	Electrica	al and Com	puter E	ngineering	Student Grade		1st	
Term		Second	Semester			Classes per We	eek	2	
Textbook	and/or								
Teaching	Materials								
Instructor	r oli i	NAKAI Y	luichi						
Course	Objectiv	res							
(1) Under (2) Under (3) Under (4) Under (5) Under (6) Can ir (7) Under	rstand bas rstand bas rstand ima rstand how rstand how nput letter rstand how	ic knowled ic knowled ige formats v to create v to create s by touch v to use the	ge of comp ge of Marke used on c graphs on documents typing. Internet a	outer ha down. compute comput s on cor at schoo	rdware and softw rs. ers. nputers. ol, and can act wh	are. ile keeping in m	hind the	various r	rules in an information society.
Rubric									
			Ideal Le	evel		Standard Leve	l		Unacceptable Level
Achievem	ient 1		Can acc aspects and sof	curately of com tware.	explain the basic puter hardware	Can explain the computer hard software.	e basic a lware an	aspects c nd	of Cannot explain the basic aspects of computer hardware and software.
Achievem	ient 2		Can cre using b Markdo	eate con asic kno wn.	nplex documents wledge of	Can create sim using basic kno Markdown.	ple docu owledge	uments of	Cannot create simple documents using basic knowledge of Markdown.
Achievem	evement 3 Can accurately explain image formats used on computers.				explain image n computers.	Can explain im on computers.	age forr	mats use	d Cannot explain image formats used on computers.
	Can creat computer				phs accurately on	Can create gra computers.	phs on		Cannot create graphs on computers.
			Unders docume can acc docume	Understand how to create Und documents on computers, and can accurately create documents with charts. char			w to cre comput uments	eate ers, and with	Do not understand how to create documents on computers, and cannot create documents with charts.
			Can tou speed.	uch type	e at a sufficient	Can touch type	э.		Cannot touch type.
			Can dis what th better i think al arise in and hau arise.	cuss with they can information bout pro- an info ndle the	th others about do to make a ion society. Can oblems that may rmation society, m when they	Can put the things they can of to make a better information society into action. Can communicate their ideas abo problems that may arise in al information society, and how handle them when they arise			Do not understand what they can do to make a better information society. Do not understand problems that may arise in an information society, and how to handle them when they arise.
Assigne	d Depar	tment Ol	ojectives						
Teachin	ng Metho	d							
Outline	2	Students	s will learn	about	computer software	e and basic know	wledge o	of softwa	re and hardware, and acquire
		basic co	mputer us	age skil	S				
Style		Followin	g the class	sroom le	ectures, students	will have a lab.			
Notice		by using themsel Students	their brea their brea ves. Stude s who miss	a large aktime, ents will s 1/3 or	proportion of the etc. to catch up of be required to acc more of classes v	class, so studer n their work. Sti quire touch typii vill not be eligibl	udents a udents a ng skills le for a p	e require are also e . All assig passing o	ed on their own to make an effort expected to think and act by gnments must be submitted. grade.
Charact	eristics	of Class /	[/] Divisior	n in Le	arning	1			
Active	Learning		🛛 Aide	ed by IC	Т	☑ Applicable t	o Remo	te Class	 Instructor Professionally Experienced
<u> </u>									
Course	Plan						<u> </u>		
			Theme				Goals		
		1st	Creating o	charts u	sing a drawing so	ftware	Can pe softwar	rform the re.	e basic operation of a drawing
		2nd	Creating o	charts u	sing a drawing so	ftware	Can cre softwar	eate assi re.	gned charts using a drawing
3rd (Creating o	charts u	sing a drawing so	ftware	Can cre softwar	eate simp re.	ole charts using a drawing
2nd 3rd 4th Creating charts using a draw			sing a drawing so	ftware	Can ex	port chai	rts into various forms.		
Semeste Quarter 5th Creating g			graphs v	vith gnuplot		Can ex creatin	plain an g feature	overview of gnuplot's graph- e.	
ľ		6th	Creating g	graphs v	vith gnuplot		Can created to created	eate simp te charts	ble graphs using basic commands in gnuplot.
		7th	Creating g	graphs v	vith gnuplot		Can cre	eate prac ands.	tical graphs using more complex
		8th	Creating o	graphs v	vith gnuplot		Can cre	eate com	plex graphs by fitting.
	4th Quarter	4th Ouarter 9th LaTeX basics					Can ex docume	plain the ents in L	steps on how to create aTeX.

	10th	Document structu	ires in LaTex		Can create simple documents in LaTeX.				
	11th	Document structu	ires in LaTex		Can structure d	ocuments in LaTe	Х.		
	12th	Lists and tables in	n LaTeX		Can create lists	Can create lists using LaTeX commands.			
	13th	Lists and tables in	n LaTeX		Can create tables using LaTeX commands.				
	14th	Importing graphs	in LaTeX		Can create documents with charts using LaTeX commands.				
15th Comprehensive exercise			xercise		Can create documents with charts, graphs, and formulas using LaTeX commands.				
	16th Final exam								
Evaluation M	lethod and	Weight (%)							
	Examination	Presentation	Touch Typing	Behavior	Portfolio	Other	Total		
Subtotal	60	30	10	0	0	0	100		
Basic Proficiency	Basic Proficiency 60		10	0	0	0	100		
Specialized 0 0		0	0	0	0	0	0		
Cross Area Proficiency	ross Area 0 0		0	0	0	0	0		

A	kashi Co	ollege	Year	2023		Course Title	Fui of En	ndamental Experiments Electrical & Computer gineering			
Course	Informa	tion									
Course Co	ode	5132			Course Categor	ry Specia	lized /	Compulsory			
Class For	mat	Experimer	t		Credits	Schoo	l Credit	t: 1			
Departme	ent	Electrical a	ind Computer E	ngineering	Student Grade	1st					
Term	and/or	First Seme	ster		Classes per We	ek 2					
Teaching	Materials	Distribute	Materials in clas	SS							
Courso	Objectiv										
1) Experie 2) Can re 3) Learn f	entially un search ind to be coop	es derstand the ependently a erative and k	basics of electri nd actively mati ind to others th	cal engineering th ters related to cor rough collaborativ	rough basic exp iducted experim e work	eriment exerc ents	ises				
Rubric											
			Ideal Level		Standard Level		U	nacceptable Level			
Achievem	ient 1		Fully and expendent understand the electrical engine basic experime	rientially e basics of leering through ent exercises	Experientially u basics of electr through basic e exercises	inderstand the ical engineerin experiment	e Da ng ur el ba	o not experientially nderstand the basics of lectrical engineering through asic experiment exercises			
Achievem	Achievement 2		Can fully resea independently matters related experiments	rch and actively I to conducted	Can research ir actively matter conducted expe	ndependently s related to eriments	and Ca ar	annot research independently nd actively matters related to onducted experiments			
Achievem	ient 3		Fully learn to b and kind to oth collaborative w	e cooperative hers through york	Learn to be cook kind to others to collaborative w	operative and hrough ork	Fa ar co	ail to learn to be cooperative nd kind to others through ollaborative work			
Assigned Department Object			ectives								
Teachin	g Metho	d									
Outline Students will experientially understand the basics of electrical engineering through basic experiment exercises, and learn the basic attitude for engineering experiments, including researching independently actively matters related to conducted experiments. They will also learn to be cooperative, considerate others, etc., through collaborative work. The instructors hold classes jointly.						igh basic experiment searching independently and ooperative, considerate to					
Style		Lessons au understan	e done in the fo ding.	orm of experiment	exercises by tea	ams. Quizzes	will be	e conducted to test students'			
Notice		Students a experimer others' saf habit of pr are require a new not Students v	re expected to ts. They should ety in mind. All operly fulfilling ed to bring a cal ebook, but loose vho miss 1/3 or	work independent attend classes in assignments are responsibilities, su culator (any mod e leaf paper is not more of classes v	ly and actively, appropriate lab required to be such as cleaning a el) and an A4 no allowed. vill not be eligible	and learn the attire, and alv ubmitted. Stud and putting av atebook for the e for evaluation	fundar vays be dents a vay the e expen	mentals and basics of ehave with their own and are expected to develop the e equipment used. Students riments. It doesn't need to be			
Charact	eristics	of Class / [Division in Le	arning							
☑ Active	Learning		□ Aided by IC	лт.	☑ Applicable to	o Remote Clas	ss Ex	Instructor Professionally xperienced			
					•						
Course	Plan										
		Т	neme			Goals					
		1st C	ourse outline			Understand t goals, and no	he outl otes)	line of this course (objectives,			
		2nd H	ow to use a test oltage	er and measuring	resistance and	Learn how to resistance an	use a d volta	tester and can measure age			
	1 -+	3rd B	readboard 1			Learn the bas	sic use	of a breadboard			
	Quarter	4th B	readboard 2			Can build a b	asic cir	rcuit using a breadboard			
		Sth U	scilloscope 1			Learn the bas	sic use	of an oscilloscope			
		6th O	scilloscope 2			measure circ	uits	or an oscilloscope and can			
		7th B	uilding electroni	cs 1		Can build ele	ctronic	s using a soldering iron			
1st		8th B	uilding electroni	cs 2		Can build ele	ctronic	s using a soldering iron			
r		9th O	scillator 1			Learn the bas	sic use	of an oscillator			
10th		10th O	scillator 2			Learn the bas high frequence	sic use cies to	a circuit			
11		11th M	aking a blinking	LED circuit 1		Understand t LED circuit	he bas	sic mechanism of a blinking			
	2nd	12th M	aking a blinking	LED circuit 2		Can make a l	basic ci	ircuit for a blinking LED circuit			
	Quarter	13th M	aking a blinking	LED circuit 3		Can make a l	olinking	g LED circuit			
		14th A	mplified circuit u	using an operation	al amplifier	an operation	ane wa al ampl	lifier			
		15th Pi	actice measurir	ng voltage with a l	oridge circuit	Understand t circuit	ne equ	iniprium conditions of a bridge			
		16th N	o final exam								

Evaluation M	lethod and We	eight (%)					
	Experiment efforts	Active learning	Mutual Evaluations between students	Behavior	Portfolio	Other	Total
Subtotal	80	20	0	0	0	0	100
Basic Proficiency	0	0	0	0	0	0	0
Specialized Proficiency	80	20	0	0	0	0	100
Cross Area Proficiency	0	0	0	0	0	0	0

A	Akashi College			r 2024		C	course Title	Japanese	II-1	
Course	Informa	tion								
Course Co	ode	6201				Course Catego	ry	General,	/ Compulsory	,
Class Forr	mat	Lecture				Credits		School C	redit: 1	
Departme	ent	Electrical	and Comput	er E	ngineering	Student Grade		2nd		
Term		First Sem	ester			Classes per We	ek	2	> =====================================	
Textbook Teaching	and/or Materials	『精選論地 習社)	当 語』『精逸	選文字	² 国語』(明治書院)	、『精選古典探	究』(注	第一字習社	〕、『新訂総行	台国語便覧』(第一字
Instructor	r 	TANGE A	suko							
Course	Objectiv	es								
 1) 論理的 2) 文学的 3) 日常的 	りな文章(話 りな文章(小 りに用いられ	論説や評論)の い説や韻文)を こる漢字や語ら	O構成や展開る を表現に即して 列を正しく理解	を理角 て読∂ 解し、	解し、要約することが や取り、その表現の物 活用することができ	ができる。 持質について自分 きる。	の意見	を述べるこ	ことができる。	
Rubric			1			1				
			理想的な到	達レ	ベルの目安	標準的な到達レイ	ベルの目	1安	未到達レベ	ルの目安
評価項目1			 論理的な文 成や展開を た上で自分 できる。 	章(詞 的確 の意	論説や評論)の構 に理解し、要約し 見を述べることが	論理的な文章(成や展開を遺漏が することができる	論説や訓 なく理解 る。	平論)の構 解し、要約	 論理的な文章 成や展開に 補助がなける きない。 	章(論説や評論)の構 ついてキーワード等の ればまとめることがで
評価項目2		文学的な文 いて、歴史 に表現に即 現の特質に べることが	章(か) しつで	小説や韻文)につ 背景や知識をもと 読み取り、その表 て自分の意見を述 る。	文学的な文章(/ 現に即して読み 特質について理解 る。	小説や音 取り、 4 解するこ	損文)を表 その表現の ことができ	文学的な文 み、おおま ない。	章(小説や韻文)を読 かな内容しか理解でき	
評価項目3 日常的に用いられる漢字や語句を 正しく理解し、日常生活や研究の 中で自由に活用することができる。 日常的に用いられる漢字や語句に 関心を持ち、吸収しようと心がけ ることができる。 日常的に用いられる漢字や語句に							いられる漢字や語句に 解が十分でない。			
Assigne	d Depar	tment Ob	ectives			Į				
Teachin	a Metho	d	0001100							
	ig ricerio	小説や評論	、古典文学な	えど、	様々な文章を読むこ	ことを通して、豊	かな感	性と論理的	思考力を養い、	的確な読解力と表現
Outline		力を獲得す	る。							
Style		講義形式を	基本とする。	随时	り、小テストや課題を	を課す。				
Notice		事前学習()	よって問題点	気を明 ま条件	月らかにした上で授第 キ(割合) 1/3以上の	能に臨み、意欲的 欠課	に取り	組むこと。		
Charact	eristics	of Class /	Division ir	n l e	arning					
□ Active	Learning		□ Aided b	by IC	T	☑ Applicable t	o Rem	ote Class	□ Instruc Experience	tor Professionally d
	-									
Course	Plan						<u> </u>			
		1.0+	heme サイガンフ	「坐 7	ドレナタシーの言知		Goals 培業の		きちょういて田	のオファレがでキフ
		1st /	コータンス・	子(<u> といれい」の 読件</u>		皮美の	<u>)進行・準備</u> トの構成す	前について理	<u> 脾りることかじさる</u>
		2nd	「学びとは何か	0 [יל	D読解		ノイス ができ		LCりん、内谷 	
		3rd	「学びとは何か	<u>ליל ליל ליל ליל ליל ליל ליל ליל ליל ליל</u>	D読解		内谷をる			
	1 ct	4th	山月記] の詞	売解			表現に	即して内容	<u> 客を埋解するこ</u>	とかできる
	Quarter	5th	「山月記」の詞	涜解			小説の するこ	主人公にことができる	いて、典拠を る	蹈まえて人物隊を理解
		6th	「山月記」の	売解			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
		7th	「山月記」の詞	売解			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
1st Semeste		8th	「山月記」の詞	売解			小説の できる	展開を整理	里し、全体的な	主題を理解することが
		9th 🙀	「古今著聞集」 ^異	(/	小式部内侍が大江山の	の歌の事)の読	適切に	解釈し、教	枚科書の設問に	答えることができる
		10th	· 「方丈記」(約	タく ノ	の流れ)の読解		文学史 ス	上の評価を	を理解し、文意	をとらえることができ
		11th	「方丈記」(短	安元の	の大火)の読解		適切に	· 解釈し、孝	対書の設問に	答えることができる
	2nd	12th	<u>「方丈記」(</u> 「方丈記」(5	<u>~/00</u> 安元の	<u>)</u> の 大火)の 読解		作品の	主題と特徴	を説明するこ	<u>とができる</u>
	Quarter	13th 🕴	国歌・俳句の語	売解			作品背	景・作家論	扁を知り、作品	を解釈することができ
		14th #	歌・俳句の	赤鼦			作品の	主題と特徴	めを説明するこ	とができる
15th 短歌・俳句の読解							作品ご	<u></u>		すことができる
		16th J	月末試験							
Evaluati	ion Meth	od and W	eight (%)							
		試験		小テ		態度		その他		Total
Subtotal	Subtotal 80					10		0		100
基礎的能力	J	80		10		10		0		100

專門的能力	0	0	0	0	0
分野横断的能力	0	0	0	0	0

Akashi College			Yea	r	2024			Course Title Japanese II-2		
Course	Informat	tion								
Course Co	ode	6202				Course Categor	ry	General ,	/ Compulsory	
Class Form	nat	Lecture				Credits		School C	redit: 1	
Departme	ent	Electrical	and Comput	er Ei	ngineering	Student Grade		2nd		
Term		Second S	emester			Classes per We	ek	2		
Textbook Teaching	and/or Materials	『精選論理 習社)	里国語』『精選	選文学	国語』(明治書院)	、『精選古典探	究』(第一学習社)、『新訂総合	合国語便覧』(第一学
Instructor	•	TANGE A	tsuko							
Course	Objectiv	es								
1)論理的な 2)文学的な 3)整理した	公章(論該 公章(物語 に情報をもと	や評論)の 時日記)に に、主張が	構成や展開を的 描かれた人物や 効果的に伝わる	り確に やもの るよう	ことらえ、要約する つの見方を表現に即 うに論理の構成や展開	ことができる。 して読み取り、自 開を工夫した報告	分の意 を行っ	見を述べる たり、文章	ことができる。 を作成したり	。 することができる。
Rubric						1				
			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
評価項目1			 論理的な文章 成や展開を た上で自分できる。 	章(詞 的確(の意り	淪説や評論)の構 こ理解し、要約し 見を述べることが	論理的な文章(語 成や展開を遺漏が することができる	淪説や詞 なく理解 る。	平論)の構 解し、要約	 論理的な文章 成や展開に 補助がなける きない。 	章(論説や評論)の構 ついてキーワード等の ればまとめることがで
評価項目2			文学的な文 いて、歴史 に表現に即 現の特質に べることが	章(物)しつできる	物語や日記)につ 背景や知識をもと 読み取り、その表 て自分の意見を述 る。	文学的な文章(/ 現に即して読み 特質について理解 る。	小説やE 取り、そ 解するこ	日記)を表 その表現の ことができ	文学的な文語 み、おおま ない。	章(小説や日記)を読 かな内容しか理解でき
評価項目3			明確な意見 的文章とし ができる。	、結調で構成	論を論理的、実証 成、展開すること	明確な意見とそれ を作成することた	れを表す ができる	す段落構成 る。	結論、意見 [;] るが論理性	を設け、段落分けでき ・実証性に乏しい。
Assigne	d Depar	tment Ob	jectives							
Teachin	a Metho	d								
Outline	9	小説や評論		よど、	様々な文章を読むる	ことを通して、豊	かな感	生と論理的	思考力を養い、	的確な読解力と表現
Style	Style 講義形式を基本とする				i、小テストや課題を	を課す。				
Notice		事前学習(評価の対象	こよって問題点 象としない欠席	気を明 常条件	らかにした上で授業 -(割合) 1/3以上の	能に臨み、意欲的 欠課	に取り	組むこと。		
Charact	eristics o	of Class /	Division ir	ו Le	arning					
Active	Learning	· ·	□ Aided b	□ Aided by ICT □ Applicable to			o Rem	ote Class	□ Instruc Experience	tor Professionally d
Course	Plan									
			Theme				Goals テキストに田いられていス語句・実現を適切に理解す			
		1st i	受業ガイダンス	ス、	「なぜ科学を学ぶの	か」の読解	テキス ること	.トに用いら <u>ができる</u>		
		2nd	「なぜ科学を	学ぶの	Dか」の読解		テキストの構成をとらえ、内容を適切に理解すること ができる			
		3rd	「なぜ科学を	学ぶの	つか」の読解		テキス ができ	トの構成を る	とらえ、内容	を適切に理解すること
	3rd Quarter	4th	「なぜ科学を	学ぶの	つか」の読解		内容を る	理解した」	こで、自分の意	見を述べることができ
		5th	「若紫」(源月	氏物語	吾) の読解		文学史 る	上の評価を	と理解し、文意	をとらえることができ
		6th	「若紫」(源日	氏物語	吾) の読解		適切に	解釈し、孝	枚科書の設問に	答えることができる
2nd		7th	「若紫」(源日	氏物語	吾)の読解		作品の	主題と特徴	ぬを説明するこ	とができる
Semeste		8th	「若紫」(源日	氏物語	吾) の読解		主題を ができ	理解し、作 る	⊧品に対する自	分の意見を述べること
		9th	「源氏の五十余	余巻」	(更級日記)の読	解	適切に	解釈し、教	枚科書の設問に	答えることができる
		10th	「源氏の五十余	余巻」	(更級日記)の読	解	作品の	主題と特徴	ぬを説明するこ	とができる
		11th #	故事・寓話の詞	売解			適切に	解釈し、教	枚科書の設問に	答えることができる
		12th [故事・寓話の語	売解			適切に	解釈し、教	枚科書の設問に	答えることができる
4th Quarter			「水墨画入門」	の詞	売解		テキス ること	トに用いら ができる	られている語句	・表現を適切に理解す
14th 「水墨画				の詞	売解		テキス ができ	トの構成を る	とらえ、内容	を適切に理解すること
15th 「水墨画入門」の読解			売解		内容を る	理解した」	こで、自分の意	見を述べることができ		
		16th J	期末試験							
Evaluati	ion Meth	od and W	/eight (%)			1		1		
試験 小テスト			スト	態度		その他		Total		
Subtotal		80		10		10		0		100
基礎的能力	J	80		10		10		0		100

專門的能力	0	0	0	0	0
分野横断的能力	0	0	0	0	0

Akashi Coll	ege	Year	2024		Course Title	Mathematics II A-1		
Course Information	on							
Course Code	6205			Course Category	General /	Compulsory		
Class Format	Lecture			Credits	School Cr	edit: 2		
Department	Electrical an	d Computer Er	ngineering	Student Grade	2nd			
Term	First Semes	ter		Classes per Week	4			
Textbook and/or	Differential	AND Integral I			•			
Instructor	MATSUMIYA	A Atusi,						
Course Objectives	S	,						
 Understand limits of functions, the meaning of a derivative at a point, the derivative derivative, the product and quotient rules for derivatives, composite functions, and inverse trigonometric functions, and can calculate the derivatives of various functions. Can write a derivative sign chart for a function, find its extrema, and sketch its graph. Can use extrema to calculate functions' maximum and minimum values. Also, can investigate the shapes of graphs using second derivatives. Understand parametric representations of functions, and can use them to calculate their derivatives. Understand the definition of definite integration and the fundament theorem of calculus, and can calculate simple definite integrals. Understand the definition of indefinite integration, and can calculate simple indefinite integrals. Also, can calculate indefinite integrals using integration by substitution and integration by parts. Can calculate indefinite and definite integrals of fractional, irrational, trigonometric, exponential, and logarithmic functions. Can use definite integration to calculate the areas of shapes enclosed by curves, the lengths of curves, and the volumes of solids in simple cases. 								
Rubric								
	I	deal Level		Standard Level		Unacceptable Level		
Achievement 1	F c c f t t	Fully understan functions, the r derivative at a definition of the product and qu derivatives, cor unctions, and i rigonometric fi ully calculate t various function	d limits of neaning of a point, the e derivative, the otient rules for nposite nverse unctions, and can he derivatives of ns.	Understand limits the meaning of a point, the definitic derivative, the pro quotient rules for composite function inverse trigonome and can calculate derivatives of vari	of functions, derivative at a on of the oduct and derivatives, ns, and tric functions, the ous functions.	Do not understand the limits of functions, the meaning of a derivative at a point, the definition of the derivative, the product and quotient rules for derivatives, composite functions, and inverse trigonometric functions, and cannot calculate the derivatives of various functions.		
Achievement 2	(f i f f r i i t c c c	and write a der for a function, f and sketch its <u>c</u> use extrema to unction's maxi minimum value nvestigate the using second de understand par representations and can fully us calculate their of	Trative sign chart find its extrema, graph. Can fully calculate the mum and s. Also, can fully shapes of graphs erivatives. Fully ametric of functions, se them to derivatives.	Can write a deriva for a function, find and sketch its gra extrema to calcula maximum and min Also, can investiga of graphs using se derivatives. Under parametric repres functions, and car calculate their der	tive sign chart l its extrema, ph. Can use ate functions' nimum values ate the shapes econd stand entations of n use them to ivatives.	Cannot write a derivative sign chart for a function, find its extrema, and sketch its graph. Cannot use extrema to calculate the function's maximum and minimum values. Also, cannot investigate the shapes of graphs using second derivatives. Do not understand parametric representations of functions, and cannot use them to calculate their derivatives.		
Achievement 3		Fully understan of definite integrand can fully ca definite integra understand the ndefinite integra calculate simple ntegrals. Also, calculate indefin ntegrals using substitution and parts.	d the definition pration and the prem of calculus, alculate simple ls. Fully definition of an ral, and can fully e indefinite can fully nite and definite integration by d integration by	Understand the definition of definite integration and the fundament theorem of calculus, and can calculate simple definite integrals. Understand the definition of indefinite integration, and can calculate simple indefinite integrals. Also, can calculate indefinite and definite integrals using integration by substitution and integration by parts.		Do not understand the definition of definite integrals and the fundament theorem of calculus, and cannot calculate simple definite integrals. Do not understand the definition of indefinite integrals, and cannot calculate simple indefinite integrals. Also, cannot calculate indefinite and definite integrals using integration by substitution and integration by parts.		
	i i f i i i i i c c c s	Can fully calcula definite integra rrational, trigo exponential, an unctions. Can integration to c areas of shapes curve, the leng and the volume simple cases.	ate indefinite and ls of fractional, nometric, d logarithmic fully use definite alculate the s enclosed by ths of curves, es of solids in	Can calculate indefinite and definite integrals of fractional, irrational, trigonometric, exponential, and logarithmic functions. Can use definite integration to calculate the areas of shapes enclosed by curves, the lengths of curves, and the volumes of solids in cimple caces		Cannot calculate indefinite and definite integrals of fractional, irrational, trigonometric, exponential, and logarithmic functions. Cannot use definite integration to calculate the areas of shapes enclosed by curves, the lengths of curves, and the volumes of solids in simple cases.		
Assigned Departn	nent Obje	ctives						
Teaching Method	y							
Outline	Students wi	II learn the bas rom them, and	ic concepts of diff acquire the nece	erentiation and int ssary skills for anal	egration and v lyzing various	arious computational methods events when applying them in		
Style Classes will assume the pre-study has been done, and follow the textbook accordingly. There will also be problem exercises. Students will be asked questions to check their understanding during classes. In the classes, focus on understanding, and ask questions about things do not understand in the pre-study or class, rather than doing nothing about them. Make an effort to always review the material on the same day, and solve the problems in the textbook and the workbook. Some of the classes will use ICT. Tests will sometimes be held without prior notice to confirm attainment. Consequently, please study properly on a daily basis.								

The overall evaluation will be based 50% on exams, 20% on submitted assignments, etc., and 30% on
presentations and general effort toward classes. The minimum score for a pass will be 60 marks. However,
evaluation scores based on these weightings will be calculated at the end of the school year. The cumulative
evaluation up to the second semester midterm be based on interim weightings rather than the ones given
above. Students who do well in assignments, presentations, etc. may get them evaluated with a higher
weighting. CBT will be conducted in any week. Students who miss 1/3 or more of classes will not be eligible
for a passing grade.

Characteristics of Class / Division in Learning

☑ Active Learning ☑ Aided by ICT

Applicable to Remote Class

Instructor Professionally Experienced

Course	Plan								
				Theme			Goals		
		1st		Limits and derivatives	of functions		Can find graphs and for	mulas for functions.	
		2nd		Limits and derivatives	of functions		Can calculate the limits cases.	of functions in simple	
		3rd		Limits and derivatives of functions			Understand the meaning of a derivative at a and the definition of the derivative, and can calculate derivatives.		
	1st	4th		Limits and derivatives of functions			Can calculate derivatives using the product and quotient rules for derivatives. Can calculate the derivatives of composite functions.		
	Quarter	5th		Limits and derivatives of functions			Can calculate the deriva exponential functions.	atives of trigonometric and	
		6th		Derivatives of various functions			Understand the derivatives of inverse functions, and can calculate the derivatives of logarithmic and inverse trigonometric functions.		
		7th		Derivatives of various functions		Understand the continu solve applied problems	ous of function, and can accordingly.		
1st Semeste		8th		Derivatives of various functions			Understand the intermediate value theorem, and can solve applied problems accordingly.		
r		9th		Variation of functions			Can calculate the equat normals to functions in	ions of tangents and simple cases.	
		10th		Variation of functions			Can write a derivative s find its extrema, and sk	sign chart for a function, etch its graph.	
		11th		Variation of functions			Can use extrema to cal and minimum values.	culate functions' maximum	
	2nd	12th		Various applications			Can calculate higher-order derivatives. Can investigate the shapes of graphs using secon derivatives.		
	Quarter	13th		Various applications			Understand parametric functions, and can use derivatives.	representations of them to calculate their	
		14th		Various applications			Understand speed and applied problems accor	acceleration, and can solve dingly.	
		15th		Various applications			Understand and can use the mean value theorem and L'Hôpital's rule.		
		16th		Final exam					
Evaluat	ion Meth	nod ar	nd V	Veight (%)					
			Exa	mination	Task		Presentation • Status of efforts	Total	
Subtotal			50		20		30	100	
Basic Prot	ficiency		50		20	:	30	100	
Specialized Proficiency			0		0		0	0	
Cross Area Proficiency			0		0		0	0	

Д	kashi Co	ollege	Year	2024		Course Title	Mathematics II A-2			
Course	Informa	tion								
Course Co	ode	6206			Course Catego	ry General	/ Compulsory			
Class For	mat	Lecture			Credits	School C	Credit: 2			
Departme	ent	Electrica	l and Computer	Engineering	Student Grade	2nd				
Term		Second	Semester		Classes per We	eek 4				
Textbook Teaching	and/or Materials	高遠 節 LEGEN	₹ 他 著「新微分 ND 東京書籍))	積分I」大日本図	書 高遠 節夫 他著	皆「新微分積分 I F	問題集」大日本図書 (参考書 数学Ⅲ			
Instructor	r	MATSU	11YA Atusi,OMO	DA Yasuhiro						
Course	Objectiv	es								
1. 関数の さとができ 2. 関数の また2次の また2次の また2次の また2次の また2次の また2次の また2次の また2次の また2次の また2次の また2次の また2次の また2次の また2次の	D極限、微分 きつ増減関。 まを まるの まるの まるの まるの まるの まるの まる た 一 無 関 の ま の ま の ま の ま の ま の ま の ま の ま の で い 、 ま の で い 、 ま の で い い い い い い い い い い い い い	分係数の意味 いて、極値 リ用して、ク 数積分の基本 積分および音 調数・三角関	、 導 使 求 め 、 グ ラ フ の 凹 凸 を 調 ペ 、 定 理 を 理 を 理 か し 、 簡 、 分 売 フ の 凹 凸 を 調 ペ 、 で う フ の 凹 凸 を 調 ペ 、 、 で う フ の 凹 凸 を 調 ペ 、 で 売 フ の 凹 凸 を 調 ペ 、 、 定 理 を 理 を 思 し 、 に 着 、 で 読 、 、 で 売 フ の 凹 凸 を 調 ペ 、 で 売 て の い 一 で を 調 べ 、 、 常 た 、 書 、 、 、 音 一 の 、 、 音 一 の し 、 に 着 い ん 、 作 き ー 、 、 、 、 で う 、 う の し 、 、 管 、 う か う 、 う 、 う 、 う 、 う 、 う 、 う 、 う 、 う 、 う 、 う 、 う の 、 う の 、 う の 、 う の 、 の 、 の 、 の 、 の 、 の 、 の 、 の 、 の 、 の 、 の 、 の 、 の 、 の 、 の 、 の 、 の 、 の の 、 の 、 の 、 の 、 の 、 の 、 の 、 の 、 の 、 の 、 の 、 の 、 の 、 の 、 の の の の 、 の 、 の 、 の の の の の の 、 の 、 の 、 の の の の 、 の の 、 の 、 の 、 の 、 の 、 の 、 の 、 の 、 の の 、 、 の の 、 の 、 の 、 の 、 の 、 の 、 の 、 の 、 の 、 の 、 の の の 、 の の の 、 の の 、 の の の 、 の 、 の 、 の 、 の 、 の 、 の の の 、 の の の の の の の の の の の の の	積 ・ 商 の 導 に を か く こ と が で き る こ と が で き る 。 。 が で き る 。 。 か で き る 。 。 か で き る 。 。 か で き る 。 。 か で き る 。 。 か で き る 。 。 か で き る 。 。 か で き る 。 。 か で き る 。 。 か で き る 。 。 が で き る 。 。 が で き る 。 。 が で き る 。 。 が で き る 。 。 。 が で き る 。 。 、 の 、 の ち で き る 。 。 の 、 の ち で き る 。 。 の の ち で ま も の で き る 。 の ち で ま の の ち で ま の の ち で ま の の ち で ま み の ち で ま み う や ま ま の の ち で ま み う で ま ろ の で ま ま ろ の で ま ま ろ の で ま ろ の で ま ま ろ の て ま ろ の で ま ま ろ の で ま ろ の で ま ろ の で ま ろ の で ま ろ つ で ま ろ の で ま ろ ろ つ て ま ろ つ て ま ろ つ て ま ろ ろ つ ち こ ま ろ つ て う つ ち こ ち ろ つ て ろ つ て う ろ つ こ ち ろ つ ろ つ こ ち ろ つ ろ ろ の う ろ ろ ろ つ ろ ろ ろ ろ ろ ろ ろ ろ ろ つ ち ろ ろ ろ ろ ろ ろ ろ ろ ろ ろ ろ ろ ろ)公式、合成関数、逆 「できる。極値を利用 関数の媒介変数表示)ることができる。不 を求めることができる。 やを求めるころのできる。 やった者分を求めるこ	三角関数を理解し して、関数の最大 を理解し、媒介多 定積分の定義を理 こる。 とができ、簡単な	ノ、いろいろな関数の導関数を求める た値・最小値を求めることができる。 変数を利用して、その導関数を求める 理解し、簡単な不定積分を求めること は場合について、曲線で囲まれた図形			
の面積や曲	マ・カム肉ム・ボモ肉ム・ニカ肉丸・カム肉丸・ガム肉丸の小と食力・と食力を水めることができ、間早な場合について、曲線で囲まれに図形の面積や曲線の長さ、立体の体積を定積分で求めることができる。									
Rubric					1					
			理想的な到達し	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			関数の極限、 関数の定義、	数分係数の意味、 責・商の導関数の2 逆三角関数を理解 な関数の導関数をま うできる。	 損数の極限、微	分係数の意味、導 ・商の導関数の公 逆三角関数を理解 関数の導関数を求 る。	 関数の極限、微分係数の意味、導 関数の定義、積・商の導関数の公 式、合成関数、逆三角関数を理解 し、いろいろな関数の導関数を求めることができない。 			
評価項目2			関数の増減スで 関数のグラスの ができる値 ・るの 利用とが示その して して でで して でで して でで して でで し し の でで し の で で で で で で で で で で で で で	を書いて、極値を求 概形をかくこことが きを利用しることが も値を求めの導用し しることが うフの関数の成果 うフの関数のを利用 し、媒 なが し、 など なが し る に と た た た た し る に と た た た し る こ と た れ に た こ と た れ に た こ と た れ に た こ と た れ に た こ と た れ に た こ と た れ に た こ と た れ に た こ と た れ に た こ と た れ に た こ と た れ に た こ と た れ に た こ と た れ し る る に ち た た た た た た た た た た た た た	 株 関数の フ 支 が さ 支 が さ す さ す さ す さ す こ こ<td>書いて、なる いて、く関 になって、 して、 く関 あたい して、 して、 して、 した、 に たかで、 に をがで 思 なの の で こ こ を かの で し た の し た い で い い い い い い い い い い い い い</td><td>関数の増減表を書いて、極値を求 め、グラフの概形をかくことがで きない。極値を利用して、関数の 最大値・最小値を求めることがで きない。また2次の導関数を利用 して、グラフの凹凸を調べること ができない。関数の媒介変数表示 を理解し、媒介変数を利用して、 その導関数を求めることができな い。</td>	書いて、なる いて、く関 になって、 して、 く関 あたい して、 して、 して、 した、 に たかで、 に をがで 思 なの の で こ こ を かの で し た の し た い で い い い い い い い い い い い い い	関数の増減表を書いて、極値を求 め、グラフの概形をかくことがで きない。極値を利用して、関数の 最大値・最小値を求めることがで きない。また2次の導関数を利用 して、グラフの凹凸を調べること ができない。関数の媒介変数表示 を理解し、媒介変数を利用して、 その導関数を求めることができな い。			
評価項目3			定 積分の定義。 を理解し、簡単 ことが十分で 着 めることが 十分 積 分および 部 を 定 積 分や定 積 分で を つ の 定 義 の に 、 の に 、 の に 、 の に 、 の に 、 の に 、 の に 、 の に 、 の に の に	と微積分の基本定理 単な定積分を求める きる。不定積分ので 適単な不定積たた置 かできる。また置 が積分を用いて、 かを求めることが一	 里 定積分の定義と行 を理解し、簡単が ことがで、 で簡単の、 でで簡単の、 でででででででででででででででででででででででででででででででででででで	微積分の基本の な定積分の基本の 家定積 分のを求定す で た て 、 て 、 で き る。	定積分の定義と微積分の基本定理 を理解し、簡単な定積分を求める ことができない。不定積分の定義 を理解し、簡単な不定積分の定義 ることができない。また置換積分 および部分積分を用いて、不定積 分や定積分を求めることができない。			
評価項目4	ŀ		分数関数・無理 指数関数・対象 定積分を求める。 和た図形の面積 体の体積を定れ 十分できる。	里関数・三角関数 数関数の不定積分 ることが十分でき、 ういて、細線で囲 うや曲線の長く、 す うで求めることれ	 分数関数・無理問 指数関数・対数 定積分を求めるる。 な場合について、 図形の面積や曲線 体積を定積分です。 る。 	関数・三角関数・ 三とができた、簡サ ームのできました。 に、 の見ていた。 に、 の見 に、 の の る ことができ たいでき たいでき たいでき たいでき たいでき たいでき たいでき たい	分数関数・無理関数・三角関数・ 指数関数・対数関数の不定積分・ 定積分を求めることができず、簡 単な場合について、曲線で囲まれ た図形の面積や曲線の長さ、立体 の体積を定積分で求めることがで きない。			
Assigne	d Depar	tment O	ojectives							
Teachin	ig Metho	d								
Outline		微分積分 析に必要	の基本概念及びそ な素養を獲得する	こから発展したい 。	ろいろな計算手法を	習得し、専門分野	予での応用の際のさまざまな事象の解			
Style		予習を前 義では集 て下さい ださい。	提として教科書に 中して理解に努め 。その日のうちに る。確認のため予	沿って講義する。 、予習でわからな 必ず復習し教科書 告なく小試験を行	また問題演習を行う かったことや講義で と問題集にある問題 うことがあります。	。講義中に理解度 理解できなかった を解くように心カ そのためにも日頃	その確認をするために質問をする。講 ことは放置せずに質問するようにし がけること。ICTを活用した授業をする 動からよく勉強しておくようにしてく			
Notice		試験を50 を合格と 価し必ず ある。い	D%、課題等の提出 する。ただし、こ しも上記の割合に ずれかの週でCBT	出物を20%、発表さ の割合で評価点を ならないことがあ を行う。合格の対	および平素の授業への つけるのは学年末で る。課題等や発表な 象としない欠席条件	D取り組み状況を あり、途中までの どがよく出来てい (割合) 1/3以上の	30%として総合的に評価し60点以上)累積評価の割合は暫定的な割合で評 \れば割合以上の評価を与えることも D欠課			
Charact	eristics of	of Class	' Division in L	earning						
Active	Learning		☑ Aided by I	CT	☑ Applicable t	o Remote Class	Instructor Professionally Experienced			
Course	Plan									
			Theme			Goals				
		1st	不定積分と定積分	} }		不定積分の定義な	を理解し、簡単な不定積分を求めるこ			
2nd	3rd	2nd	不定積分と定積分	}		定積分の定義を現 ことができる。	里解し、定義に従って定積分を求める			
Semeste r	Quarter	3rd	不定積分と定積分	}						
		4th	不定積分と定積分	}		1900年2007年2日200 簡単な定積分の計算をすることができる。いろいろな 不定積分の公式を活用することが出来る。				

		5th	積分の計算			置換積分および部分積分を を求めることができる。	を用いて、不定積分や定積分			
		6th	積分の計算			分数関数・無理関数の不定 ができる。	E積分・定積分を求めること			
		7th	積分の計算			三角関数・指数関数・対数 求めることができる。	三角関数・指数関数・対数関数の不定積分・定積分を 求めることができる。			
		8th	面積・曲線	泉の長さ・体積		ー 簡単な場合について、曲線で囲まれた図形の面積を定 積分で求めることができる。				
		9th	面積・曲約	泉の長さ・体積		簡単な場合について、曲線 とができる。簡単な場合に 体の体積を定積分で求める	簡単な場合について、曲線の長さを定積分で求めるこ とができる。簡単な場合について、立体の体積や回転 体の体積を定積分で求めることができる。			
		10th	いろいろな	心応用		媒介変数表示による図形を る図形の面積や曲線の長さ	と理解し、媒介変数表示によ さなどを求めることができる			
	4th Quarter 12		いろいろな	ふ応用		極座標について理解し、 線の長さを求めることがで	極座標について理解し、極座標による図形の面積や曲 線の長さを求めることができる。			
			いろいろな	ふ応用		広義積分について理解し、 きる。	広義積分を求めることがで			
		13th	いろいろな	ふ応用		変化率と積分について理角 できる。	释し、応用問題を解くことが			
		14th	微分方程式	t		応用問題から微分方程式の意味を理解し、簡単な変数 分離形の微分方程式などを解くことができる。				
		15th	微分方程式	Ċ		簡単な同時形,1階線形微る。	ぬ分方程式を解くことができ			
		16th	期末試験							
Evaluat	ion Meth	nod ar	nd Weight (%)						
			試験		課題等	発表および平素の授業への 取り組み	Total			
Subtotal			50		20	30	100			
基礎的能力			50		15	30	95			
専門的能力			0		0	0	0			
分野横断的能力			0		5	0	5			

А	kashi C	ollege	Year	2024			Course	è	Mathematics	5 II B-1
Course	Informa	ation					<u>_</u>			
Course Co	ode	6207			Course (Category	/ Gene	al /	Compulsory	
Class For	mat	Lecture			Credits		Schoo	ol Cr	edit: 1	
Departme	ent	Electrical	and Computer E	Ingineering	Student	Grade	2nd			
Term		First Sem	ester		Classes	per Wee	ek 2			
Textbook Teaching	and/or Materials		他著「新 他著「新	泉形代数 改訂版 泉形代数 問題集	」 大日本図 2 改訂版」	書 大日本図	書			
Instructor			30							
<u>Course</u> 1. ベクト 2. 行列の	UDJectry ルの計算 の定義およ	/es および図形への び 計算ができる	応用ができる。 る。							
Rubric										
			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
評価項目1	_		ベクトルの計算 が十分にできる	及び図形への応り 。	月 ベクトル ができる	の計算及 。	び図形への応	同	ベクトルの計算 ができない。	算及び図形への応用
評価項目2	2		行列の定義およ きる。	び 計算が十分に	で行列の定	義および	、計算ができ	5.	行列の定義およ	いび 計算ができない
Assigne	d Depa	rtment Obj	ectives							
Teachin	g Meth	odbc								
Outline		幅広い分野 いて,計算	で使われている約 と幾何を関連付(泉形代数学の基礎 ナできるようにな	について講義 ることである	・演習を [,]	そ行う. 目標(ま平す	国上や空間内での	図形の方程式を用
Style		シラバスに	沿って、動画を	吏って予習してき	てもらう。授	業中はク	リループ学習る	をしつ	てもらい、理解度	を確認する。
予習復習をきちんとすること。分からないことは放置せず質問すること。問題集などを利用して自主的に勉強して欲しい。 OBTテストをすることもある。 ご呼のの対象としたいの友庭条件(創合) 1/3以上の欠課										
Charact	eristics	of Class / I	Division in Le	arning						
 ☑ Active Learning 			☑ Aided by I	CT	🛛 Appli	cable to	Remote Cla	SS	□ Instructor Experienced	Professionally
Course	Plan									
		Т	neme			0	Goals			
		1st म	面ベクトル			/	ベクトルの演算の基本法則を使って計算ができる。			
		2nd 픽	面ベクトル			/	ベクトルの内	積を	計算できる。	
		3rd म	面ベクトル			2	平面ベクトル きる。	の成	分表示を使って記	†算をすることがで
	1st Quarter	4th 쫔	間のベクトル			21	空間ベクトル きる。	の成	分表示を使って記	†算をすることがで
	200.00	5th 컄	間のベクトル			2	平行四辺形の	面積	をベクトルで計算	草できる。
		6th ਤ	間のベクトル				平行条件・垂 る。	直条	件を理解し、計算	草に使うことができ
1st		7th 3	間のベクトル			2	ッ。 空間の中の直	線の	方程式を求めるこ	ことができる。
Semeste		8th	間のベクトル			2	空間の中の平	面の	方程式を求めるこ	ことができる。
		9th 꿐	間ベクトル			/	ベクトルの外	積を	求め、使うことた	ができる。
		10th	間ベクトル			F.	点と平面との	距離	を求めることが	できる。
		11th 꺜	間ベクトル			Ŧ	求面の方程式	を求	めることができる	3.
	2nd	12th 谷	列			í	亍列の和・差	・積	の計算ができる。	
	Quarter	13th 谷	列			í	亍列の分配法	則・	結合法則を使うる	ことができる。
14th CBTテスト						0	CBTテストを	行い	、学習の定着度を	を確認する。
		15th 紛	活			U	いままでの学	習の	総復習をする。	
16th 期末試験						U	いままでの学	習の	確認をする。	
Evaluation Method and Weight (%)										
	定期試験 CBT			 ト 復習テスト 課題等の		の提出物	出席	5点	Total	
Subtotal 25 20 25				15		15		100		
基礎的能力 25		20	25		15		15		100	
専門的能力 0		0	0	0		0 C		0		0
分野横断的	前能力	0	0	0		0		0		0

Δ	kashi C	ollege		Year	2024				Cour Titl	se e	Mathematics	s II B-2
Course	Informa	ation										
Course Co	ode	6208					Course C	Category	y Ge	neral ,	/ Compulsory	
Class For	mat	Lecture					Credits		Sch	nool C	redit: 1	
Departme	ent	Electrical	and C	Computer Er	ngineerir	ng	Student	Grade	2nd	ł		
Term		Second S	emes	ster			Classes p	per Wee	ek 2			
Textbook Teaching	and/or Materials	高遠 節 高遠 節 TAKATA	夫 他 <u>夫 他</u>	】 著 「新線 , 著 「新線	形代数 形代数	改訂版」 問題集 2	大日本図 次訂版」	書 大日本図	四書			
Course	Objectiv		1540									
<u>Course</u> 1. 行列の 2. 行列式	ODJECU)計算がで 代の定義お	/es き、連立1次 よび性質を理(ち程式	を解くことが 基本的な行列	できる。 I式の値を	主求めるこの	とができる					
Rubric												
			理想	息的な到達レ/	ベルの目を	安	標準的な					
評価項目1 行列の計算ができ、連立1次方租 を解くことが十分にできる。					1次方程式 る。	行列の計 を解くこ	算ができ とができ	で、連立1次 る。	方程式	式 行列の計算がで を解くことがで	でき、連立1次方程式 できない。	
行列式の定義および性質を理解し 評価項目2 行列式の定義および性質を理解し められる。						らよび性質を理解し 削式の値を求められ						
Assigne	d Depai	tment Ob	jectiv	ves								
Teachin	ig Metho	bd										
Outline 幅広い分野で使われている線形代数学の基礎について講義・演習を行う.目標は平面上や空間内での図形の方程式を用いて,計算と幾何を関連付けできるようになることである。							D図形の方程式を用					
Style シラバスに沿って、動画を使って予習してきてもらう。授業中はグループ学習をしてもらい、理解度を確認する。							度を確認する。					
Notice		予習復習 い。 CBTテン	をきち, ストを [:]	んとすること することもあ	:。分から る。	うないこと(は放置せず	質問する	ること。問	題集な	どを利用して自主	目的に勉強して欲し
		評価の対象	家とし	ない欠席条件	(割合) 1	/3以上のク	マ課					
Charact	eristics	of Class /	Divis	sion in Lea	arning		i					
☑ Active	Learning			Aided by IC	Г		🛛 Applio	cable to	Remote	Class	Instructor Experienced	Professionally
6												
Course	Plan	.	-						<u> </u>			
		1 ot	i neme	e				(GOAIS 重仁利,出	(古)(二万	を理解 (市る)	マトがブキマ
		2nd ::	行列					Ē				
		2.10	- 21-+	の中美に性母	÷			1転直行列と逆行列を求め、使うことかできる。 2次の行列式を計算し、クラメルの公式を使うことが				
	Qued	3ra ·		の正義と性質	1				できる。			
	Quarter	4th	行列式	の定義と性質	-			1	行列式の定	義を理	<u>と解し、簡単な行き</u>	列式を計算できる。 マストビスネス
		5th	に列式	の定義と性質	ĺ.			1	行列式の性	質を増	<u>1) 開し、計算に使</u>	っことかできる。
		6tn /	[丁夘]式 (그젠) ᆍ					1	<u> (19)式の</u> 展	用を9	ることかできる。	<u>,</u> トガズキス
2nd		8th	行列式	<u>。の応用</u> の応用					全田子を値	コリクリエ いては	い言葉をすること	<u>とかてきる。</u> とができる
Semeste		9th	行列式	<u>。 の応用</u>					示囚」を使 行列式をは			<u>とがてきる。</u> とができる
l r		10th	<u>山小</u> 直亡 1	ンプロングランプログランプログランプログランプログランプログランプログランプログ	可			4	行列の消去	法を理	1995日に、使うことが	ができる。
		11th	<u>連立</u> 1	次方程式と行	列			3	<u>消</u> 去法を使	って、	連立1次方程式	を解くことができる
	4th	12th	連立 1	次方程式と行	列			3	消去法を使	って、	逆行列を求める。	ことができる。
	Quarter	13th :	連立 1	次方程式と行	列			1	行列の階数	を求め	oることができる。	>
		14th	СВТ	テスト					CBTテス	トで定	E着度の確認をする	3.
15th 総括						ź	総復習をす	る。				
		16th	期末試	験					これまでの	学習0	D確認をする。	
Evaluat	ion Met	nod and W	/eigh	nt (%)		-		_				
定期試験 CBTテスト 復習テスト			<u>۲</u>	課題等	の提出物	出	席点	Total				
Subtotal	Subtotal 25 20 25			25		15	15 15 100		100			
基礎的能力 25		25		20		25	15			15		100
専門的能力 0 0 0			0				0					
分野横断的	分野横断的能力 0			0		0		0		0		U

А	kashi Co	ollege	Year	2024		Course Title	Science II B-1	
Course	Informa	tion						
Course Co	ode	6211			Course Categor	rv Genera	l / Compulsory	
Class For	mat	Lecture			Credits	School	Credit: 1	
Departme	ent	Electrica	I and Computer E	ingineering	Student Grade	2nd		
Term		First Ser	nester		Classes per We	ek 2		
Textbook Teaching	and/or Materials							
Instructo	r	SAKURA	I Yasuhiro					
Course	Objectiv	es						
 Can ex particles) Can us reactants Can ex Can ex 	plain and e chemica and produ plain and plain and	calculate th l equations licts in a rea calculate th calculate th	ne basic matters r , and explain and action. ne basic matters r ne basic matters r	elated to the comp calculate the basi elated to acids and elated to oxidation	position of substa c matters related bases. and reduction r	ances (includin d to the relatio reactions.	g matters related to the bonding of nship between the amounts of	
Rubric					1			
			Ideal Level		Standard Level		Unacceptable Level	
Achievement 1			Can fully and a and calculate t related to the substances (in related to the particles).	accurately explain the basic matters composition of cluding matters bonding of	Can explain and basic matters r composition of (including matt bonding of part	d calculate the elated to the substances ers related to t ticles).	Cannot explain and calculate the basic matters related to the composition of substances (including matters related to the bonding of particles).	
Achievement 2			Can use chemi and fully and a and calculate t related to the between the a reactants and reaction.	ical equations, accurately explain the basic matters relationship mounts of products in a	Can use chemic and explain and basic matters r relationship bet amounts of rea products in a re	cal equations, d calculate the elated to the tween the loctants and eaction.	Cannot use chemical equations, and explain and calculate the basic matters related to the relationship between the amounts of reactants and products in a reaction.	
Achievem	ient 3		Can fully and a and calculate t related to acid	accurately explain he basic matters s and bases.	Can explain and basic matters r and bases.	d calculate the elated to acids	Cannot explain and calculate the basic matters related to acids and bases.	
Achievement 4			Can fully and a and calculate t related to oxid reduction reac	accurately explain the basic matters ation and tions.	Can explain and basic matters r oxidation and r reactions.	d calculate the elated to eduction	Cannot explain and calculate the basic matters related to oxidation and reduction reactions.	
Assigne	d Depar	tment Ol	ojectives					
Teachin	ng Metho	d						
Outline		The objeundersta	ectives of this cou anding the basic t	rse is to gain a ba heories of chemist	sic knowledge of	f chemicals, a	nd to develop scientific thinking by	
Style		Classes	re taught in a lecture-style format.					
Notice		We hope around	e that by observin us.	g their everyday l	ives scientifically	, students will	recognize that chemistry is all	
Charact	eristics	Students	<u>s who miss 1/3 or</u> ' Division in Le	more of classes v arning	vill not be eligible	e for evaluation	ו.	
□ Active	Learning		□ Aided by I0	CT	☑ Applicable to	o Remote Class	☐ Instructor Professionally Experienced	
Course	Plan	1						
			Theme			Goals		
		1st	Orientation: Whe	n learning chemis	try			
		2nd	Composition of s	ubstances - 1		Can explain ar related to the	nd calculate the basic matters composition of substances.	
		3rd	Composition of s	ubstances - 2		Can explain ar related to the	nd calculate the basic matters composition of substances.	
	1st	4th	Composition of s	ubstances - 3		Can explain ar related to the	nd calculate the basic matters composition of substances.	
1.04	Quarter	5th	Composition of s	ubstances - 4		Can explain ar related to the	nd calculate the basic matters composition of substances.	
Semeste		6th	Bonding of partic	les - 1		Can explain ar related to the	nd calculate the basic matters bonding of particles.	
		7th	Bonding of partic	les - 2		Can explain ar related to the	nd calculate the basic matters bonding of particles.	
		8th	Chemical bonding	g and substances				
	2nd	9th	Summary of the	composition of sul	ostances	Can explain ar related to the bonding of par	nd calculate the basic matters composition of substances and ticles.	
	Quarter	10th	Chemical equatio amounts of react 1	ns and relationshi ants and products	p between the in a reaction -	Can explain and calculate the basic matters related to the relationship between the amounts of reactants and products in a reaction.		

	11th	Chemical equations an amounts of reactants a 2	d relationship between the and products in a reaction -	Can explain and c related to the related of reactants and	calculate the basic matters ationship between the amounts products in a reaction.		
	12th	Chemical equations an amounts of reactants a 3	d relationship between the and products in a reaction -	Can explain and c related to the related of reactants and	Can explain and calculate the basic matters related to the relationship between the amounts of reactants and products in a reaction.		
	13th	Chemical equations an amounts of reactants a 4	d relationship between the and products in a reaction -	Can explain and calculate the basic matters related to the relationship between the amounts of reactants and products in a reaction.			
	14th	Chemical equations an amounts of reactants a 5	d relationship between the and products in a reaction -	Can explain and c related to the related of reactants and	calculate the basic matters ationship between the amounts products in a reaction.		
	15th	Chemical equations an amounts of reactants a 6	d relationship between the and products in a reaction -	Can explain and c related to the related for reactants and	Can explain and calculate the basic matters related to the relationship between the amounts of reactants and products in a reaction.		
	16th	Final exam					
Evaluation	n Method and	d Weight (%)					
		Little test	Examination		Total		
Subtotal		65	35		100		
Basic Proficie	ency	65	35		100		
Specialized F	Proficiency	0	0		0		
Cross Area F	Proficiency	0	0		0		

A	kashi Co	ollege	Year	2024		Course Title	Science II B-2		
Course	Informa	tion							
Course Co	ode	6212			Course Category	General ,	/ Compulsory		
Class For	mat	Lecture			Credits	School C	redit: 1		
Departme	ent	Electrical ar	nd Computer Er	ngineering	Student Grade	2nd			
Term		Second Sen	nester		Classes per Wee	k 2			
Textbook Teaching	and/or Materials	「新編化学基	基礎」数研出版、	「リードa 化学基	疑礎+化学」数研出版	反、「フォトサ-	イエンス 化学図録」数研出版		
Instructor	r	SAKURAI Ya	asuhiro						
Course	Objectiv	es							
1. 物質の 2. 化学反应 3. 酸・塩 4. 酸化・道	構成(粒子の 芯式が取り 基に関する 夏元反応に	の結合に関する 扱え、反応量の 基本事項につい 関する基本事項	事項を含む)に関 関係に関する基本 て説明や計算がて について説明や言	関する基本事項につ 体事項について説明 できる。 †算ができる。	いて説明や計算がて や計算ができる。	できる。			
Rubric									
		j	理想的な到達レイ	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		
評価項目1			物質の構成(粒音 事項を含む)に関 ついて的確な説明 十分にできる。	子の結合に関する 関する基本事項に 別や正確な計算が	物質の構成(粒子 事項を含む)に関 ついて説明や計算	の結合に関する する基本事項に ができる。	物質の構成(粒子の結合に関する 事項を含む)に関する基本事項に ついて説明や計算ができない。		
評価項目2			化学反応式が取り 関係に関する基本 確な説明や正確か きる。	0扱え、反応量の 本事項について的 は計算が十分にで	化学反応式が取り 関係に関する基本 明や計算ができる	扱え、反応量の 事項について説 。	化学反応式が取り扱え、反応量の 関係に関する基本事項について説 明や計算ができない。		
評価項目3			酸・塩基に関する て的確な説明やI にできる。	る基本事項につい E確な計算が十分	酸・塩基に関する て説明や計算がで	基本事項につい きる。	酸・塩基に関する基本事項につい て説明や計算ができない。		
評価項目4			酸化・還元反応(について的確な詞 が十分にできる。	こ関する基本事項 兑明や正確な計算	酸化・還元反応にについて説明や計	関する基本事項 算ができる。	酸化・還元反応に関する基本事項 について説明や計算ができない。		
Assigne	d Depar	tment Obje	ctives						
Teachin	Teaching Method								
Outline	2	この科目は、 する基礎知識 立てる、化学 いても学習す	企業で化学に関 戦について講義形 の基礎理論を理 する。	する研究開発を担当 式で授業を行うもの 解することによって	当していた教員が、 のである。習得した て、科学的思考を養	その経験を活か 化学の基礎事項 うことを目標と	し、化学物質の性質や化学反応に関 をくらしや生活環境と関連付けて役 する。また、ライフサイエンスにつ		
Style		授業は講義刑	 彡式で行う。確認	テストを複数回適調	1111111111111111111111111111111111111				
Notice		日常生活を科評価の対象の	科学的に考察する としない欠席条件	ことによって、「亻 ‡(割合) 1/3以上	と学」が身近な存在 の欠課	であることを認	識する。		
Charact	eristics of	of Class / D	ivision in Lea	arning					
Active	Learning		□ Aided by ICT □ Applicable to Remote Class □ Instructor Profession Experienced			 Instructor Professionally Experienced 			
-									
Course	Plan	1 1							
		The	eme		G	Soals			
		1st 酸	・塩基の反応-1	:酸・塩基の性質	西で	変と塩基の性質に フス、ブレンスラ 说明できる。	こついて理解し、説明できる。アレニ Fッドローリーの酸・塩基を理解し、		
		2nd 酸	・塩基の反応-2	: 価数と電離度	佰	晒数、電離度を理	1 解し、酸と塩基の強弱を説明できる		
		3rd 酸	・塩基の反応-3	・水素イオン濃度	7	k素イオン濃度に	ついて理解し、説明できる。		
	3rd	4th 酸	<u>・塩基の反応-4</u>	・ nHと指示薬	p	H、指示薬につ	いて理解し、測定方法、pHの変化に		
	Quarter	5th 酸		: 中和反応と塩		<u>Dいて考察、説明</u> P和反応について Bできる	9できる。 「理解できる。塩の性質を理解し、説		
		6tb 酸	・	• 山和滴定		<u>りしきる。</u> 山和演定について	「理解」、説明できる		
2nd		Oth 酸	· 塩基の反応 0	,中和洞足		かった基の反応に	- 埋みし、 説 め こ 2 3 。		
Semeste		7th 酸	<u>温率の反応</u> /	・酸化と還テ	日	<u>後化と還元につい</u>			
ſ		9th 酸f	<u>し 速元反応</u> - 2 上・還元反応 - 2	:酸化数の変化		酸化数について理 説明できる。	理解し、酸化・還元反応前後の変化を		
		10th 酸(ト・環元反応-3	:酸化剤、還元剤		代表的な酸化剤、	還元剤の性質を理解し説明できる。		
		11th 酸(と・還元反応-4	:酸化還元反応式	 西	後化還元反応式を	と理解し、説明できる。		
	4th	12th 酸化	上・還元反応-5	:金属の酸化還元反	え応	全属の酸化還元反	え応について理解できる。		
	Quarter	13th 酸化		: イオン化傾向	-	イオン化傾向につ	ついて説明できる。		
		14th 酸化	<u></u> と・還元反応-7	: 電池	雷	記池の仕組みにこ	ついて理解し、説明できる。		
	1		と・還元反応 生物	勿学1 、生物学2	西 []	変化・還元に関す レスに関する内容	「る基礎問題が解ける。ライフサイエ 「について理解し、解説できる。		
		16th 期末	未試験		1	後期の内容に関す	る基礎問題を解き、説明できる。		
Evaluat	ion Meth	od and Wei	ight (%)		1				
			武験		その他		Total		

Subtotal	35	65	100
基礎的能力	35	65	100
専門的能力	0	0	0
分野横断的能力	0	0	0

А	kashi Co	ollege		Year	2024		Co T	ourse Title	Physical Education II-1	
Course	Informa	tion								
Course Co	ode	6213				Course Catego	ry	General /	Compulsory	
Class For	mat	Skill				Credits		School Cr	redit: 1	
Departme	ent	Electrica	l and	d Computer Er	ngineering	Student Grade		2nd		
Term		First Ser	nest	er		Classes per We	eek	2		
Textbook Teaching	and/or Materials									
Instructor	r	GOTOH	Taka	ayuki,MAEDA 1	Fadanori					
Course	Objectiv	es								
 Particip Can tal take the r 	bate in clas ke action t necessary a	ses to imp o conduct s action to do	rove sport 5 so.	students' owi ts safely. Also,	n health and phys , recognizes the si	ical strength. Al gnificance of co	lso, have ollaborat	e some le ing and c	evel of self-discipline. ooperating with the team and can	
Rubric										
			Ic	deal Level		Standard Leve	I		Unacceptable Level	
Achievement 1			A in pl le	ctively particip nprove their h hysical streng evel of self-dis	pate in classes to ealth and th. Have a high cipline.	Participate in c their health an strength. Have self-discipline.	lasses to d physic some le	o improve cal evel of	Reluctant to participate in classes, or improve their own health and physical strength. Do not have a high level of self- discipline.	
Achievement 2			A sp ai a	ctively particip port practices re very compe great influence	bate in various and games, and etitive. Also have the on games, etc.	Can actively pa various sport p games. And als for them.	articipate practices so have	e in and the skills	Do not participate in various sport practices and games.	
Achievement 3			U w te	Inderstand the vell, and can h eamwork.	e role of a leader elp increase	Understand an take on the rol	d can pl e of a le	ay or ader.	Do not understand the role of a leader. Also, never play that role.	
Assiane	d Depar	tment Ob	biec	tives		•				
Teachin	a Metho	d	2							
Outline The goal of this course is for students to learn more about the fun and depth of sports so that they can the habit of playing sports on a daily basis. This class requires an active and proactive attitude to partic Students will split into groups and leaders will take the lead to plan, review, and implement the course content. Students can choose from: Softball, soccer, futsal, tennis, basketball, volleyball, badminton, ta tennis, other sports as determined feasible by teachers while ensuring safety, based on requests from students						n of sports so that they can build proactive attitude to participate. and implement the course ill, volleyball, badminton, table y, based on requests from				
Style		Students they sho expected practice.	s are ould l d to o . Stu	e encouraged t learn the rules develop more idents and inst	to actively particip and how to play advanced techno tructors should we	ate in games au games, etc., ar logies and impro ork together to	nd pract nd try to ove tear create a	ice and to learn ba nwork th safe and	o discover the fun of sports. First, sic skills. In addition, they are rough games and game-style l welcoming class.	
Notice		Wear them, po Do no These an Use o Tardin but their If it is that class absence Studer	scho pints ot we re als f sm ness r atte s disc s wil nts w	bol-designated will be deducted ar accessories so eligible for artphones or will be excuss endance will b covered that a ll be marked a who miss 1/4 d	I training wear, at ted from their gra s, watches, or any grade deduction. any other unrelate ed for the first 20 e marked as abse student left class is absent, and the or more of classes	thletic shoes, or ide. other unneces ed activities dur minutes. Stude nt. early without b ir grade for pre s will not be elig	other d sary iter ing clase nts can peing ex vious cla ible for o	esignated ms, as we s are sub participat cused (di asses will evaluatio	d clothing. If students fail to wear ell as chewing gum during class. ject to point deductions. te in the class after 20 minutes, tching class), their attendance for suffer a deduction equal to an n.	
Charact	eristics of	of Class /	Div	vision in Lea	arnina					
☑ Active	Learning	,		Aided by IC	T	☑ Applicable t	o Remo	te Class	Instructor Professionally Experienced	
Course	Plan						1			
			The	me			Goals			
		1st	Guic	dance			Unders course. necessa	tand the Reackno ary to saf	purposes and objectives of this wledge that warm-ups are ely exercise.	
		2nd	Soft volle as d safe	ball, soccer, fu eyball, badmin letermined fea ety, based on r	utsal, tennis, bask iton, table tennis, isible by teachers requests from stud	etball, other sports while ensuring dents.	Can do reflect	warm-up on the cla	o and practice, play games, and ass, led by a leader.	
1st Semeste r	1st Quarter	3rd	Soft volle as d safe	ball, soccer, fu eyball, badmin letermined fea ety, based on r	soccer, futsal, tennis, basketball, l, badminton, table tennis, other sports nined feasible by teachers while ensuring ased on requests from students.			warm-up on the cla	o and practice, play games, and ass, led by a leader.	
		4th	Soft volle as d safe	ball, soccer, fu eyball, badmin letermined fea ety, based on r	utsal, tennis, bask iton, table tennis, isible by teachers requests from stud	etball, other sports while ensuring dents.	Can do reflect	warm-up on the cla	o and practice, play games, and ass, led by a leader.	
		5th	Soft volle as d safe	ball, soccer, fu eyball, badmin letermined fea ety, based on r	r, futsal, tennis, basketball, minton, table tennis, other sports feasible by teachers while ensuring on requests from students.			Can do warm-up and practice, play games, and reflect on the class, led by a leader.		

		6th		Softball, soccer, futsal, volleyball, badminton, as determined feasible safety, based on reque	, tennis, basketball, table tennis, other sports by teachers while ensurin ests from students.	Can do warm-up and pr g reflect on the class, led	actice, play games, and by a leader.		
		7th		Softball, soccer, futsal, volleyball, badminton, as determined feasible safety, based on reque	, tennis, basketball, table tennis, other sports by teachers while ensurin ests from students.	Can do warm-up and pr g reflect on the class, led	actice, play games, and by a leader.		
		8th		Softball, soccer, futsal, volleyball, badminton, as determined feasible safety, based on reque	, tennis, basketball, table tennis, other sports by teachers while ensurin ests from students.	Can do warm-up and pr g reflect on the class, led	actice, play games, and by a leader.		
		9th		Softball, soccer, futsal, volleyball, badminton, as determined feasible safety, based on reque	, tennis, basketball, table tennis, other sports by teachers while ensurin ests from students.	g Split into teams in each	sport and select a leader.		
		10th		Softball, soccer, futsal, volleyball, badminton, as determined feasible safety, based on reque	, tennis, basketball, table tennis, other sports by teachers while ensurin ests from students.	Can do warm-up and pr g reflect on the class, led	actice, play games, and by a leader.		
		11th		Softball, soccer, futsal, volleyball, badminton, as determined feasible safety, based on reque	, tennis, basketball, table tennis, other sports by teachers while ensurin ests from students.	Can do warm-up and practice, play games, and reflect on the class, led by a leader.			
	2nd Quarter	12th		Softball, soccer, futsal, volleyball, badminton, as determined feasible safety, based on reque	, tennis, basketball, table tennis, other sports by teachers while ensurin ests from students.	Can do warm-up and pr g reflect on the class, led	actice, play games, and by a leader.		
		13th		Softball, soccer, futsal, volleyball, badminton, as determined feasible safety, based on reque	, tennis, basketball, table tennis, other sports by teachers while ensurin ests from students.	Can do warm-up and pr g reflect on the class, led	Can do warm-up and practice, play games, and reflect on the class, led by a leader.		
		14th		Softball, soccer, futsal, volleyball, badminton, as determined feasible safety, based on reque	, tennis, basketball, table tennis, other sports by teachers while ensurin ests from students.	Can do warm-up and pr g reflect on the class, led	Can do warm-up and practice, play games, and reflect on the class, led by a leader.		
	15th 16th			Softball, soccer, futsal, volleyball, badminton, as determined feasible safety, based on reque	, tennis, basketball, table tennis, other sports by teachers while ensurin ests from students.	Can do warm-up and pr g reflect on the class, led	actice, play games, and by a leader.		
				No final exam					
Evaluati	on Meth	od ar	ld V	Veight (%)					
			Арр	roach to a class	Practical skill	Leadership	Total		
Subtotal			75		15	10	100		
Basic Prof	iciency		75		0	0	75		
Specialize	d Proficien	су	0		0	0	0		
Cross Area Proficiency			0		15	10	25		

А	kashi Co	ollege		Year	2024		Co T	ourse Fitle	Physical Education II-2
Course	Informa	tion							
Course Co	ode	6214				Course Catego	ry	General /	Compulsory
Class For	mat	Skill				Credits		School Ci	redit: 1
Departme	ent	Electrica	l and	d Computer Er	ngineering	Student Grade		2nd	
Term		Second	Sem	ester		Classes per We	eek	2	
Textbook Teaching	and/or Materials								
Instructor	r	GOTOH	Taka	ayuki,MAEDA 1	Fadanori				
Course	Objectiv	es							
 Particip Can tal take the r 	bate in clas ke action t necessary	sses to imp o conduct s action to do	rove sport o so.	students' owi ts safely. Also,	n health and phys , recognizes the si	ical strength. Al gnificance of co	lso, havo llaborat	e some le ing and c	evel of self-discipline. ooperating with the team and can
Rubric									
			Ic	deal Level		Standard Leve	I		Unacceptable Level
Achievement 1			A in p le	ctively particip nprove their h hysical streng evel of self-dis	Participate in c their health an strength. Have self-discipline.	lasses to d physic some le	o improve cal evel of	Reluctant to participate in classes, or improve their own health and physical strength. Do not have a high level of self- discipline.	
Achievement 2			A sı a a	ctively particip port practices re very compe great influence	bate in various and games, and etitive. Also have te on games, etc.	Can actively pa various sport p games. And als for them.	articipate practices so have	e in and the skills	Do not participate in various sport practices and games.
Achievement 3			U w te	Inderstand the vell, and can h eamwork.	e role of a leader elp increase	Understand an take on the rol	d can pl e of a le	lay or eader.	Do not understand the role of a leader. Also, never play that role.
Assiane	d Depar	tment Ob	piec	tives					
Teachin	a Metho	d							
Outline The goal of this course is for students to learn more about the fun and depth of sports so that they can the habit of playing sports on a daily basis. This class requires an active and proactive attitude to partici Students will split into groups and leaders will take the lead to plan, review, and implement the course content. Students can choose from: Softball, soccer, futsal, tennis, basketball, volleyball, badminton, ta tennis, other sports as determined feasible by teachers while ensuring safety, based on requests from						n of sports so that they can build proactive attitude to participate. and implement the course ill, volleyball, badminton, table y, based on requests from			
Style		Students they sho expected practice	s are ould l d to o . Stu	e encouraged t learn the rules develop more idents and inst	to actively particip and how to play advanced techno tructors should we	ate in games au games, etc., ar logies and impro ork together to	nd pract nd try to ove tear create a	ice and to learn ba nwork th safe and	o discover the fun of sports. First, sic skills. In addition, they are rough games and game-style welcoming class.
Notice		Wear them, po Do no These au Use o Tardin but their If it is that clas absence Studen	scho pints of we re als f sm ness atte disc s will nts w	bol-designated will be deducted ar accessories so eligible for aartphones or will be excuse endance will b covered that a ll be marked a who miss 1/4 of	I training wear, at ted from their gra s, watches, or any grade deduction. any other unrelate ed for the first 20 e marked as abse student left class is absent, and the or more of classes	thletic shoes, or ade. / other unneces ed activities dur minutes. Stude nt. · early without b ir grade for pre s will not be elig	other d sary iter ing clas nts can peing ex vious cla ible for	esignated ms, as wo s are sub participal cused (di asses will evaluatio	d clothing. If students fail to wear ell as chewing gum during class. ject to point deductions. ie in the class after 20 minutes, tching class), their attendance for suffer a deduction equal to an n.
Charact	eristics of	of Class /	′ Div	vision in Lea	arning				
☑ Active	Learning	,		Aided by IC	T	☑ Applicable t	o Remo	te Class	Instructor Professionally Experienced
Course	Plan						1		
			The	me			Goals		
		1st	Guic	dance			Unders course. necess	tand the . Reackno ary to sai	purposes and objectives of this wledge that warm-ups are ely exercise.
		2nd	Soft volle as d safe	ball, soccer, fu eyball, badmin letermined fea ety, based on r	utsal, tennis, bask iton, table tennis, isible by teachers requests from stud	etball, other sports while ensuring dents.	Can do reflect	warm-u on the cla	o and practice, play games, and ass, led by a leader.
2nd Semeste r	3rd Quarter	3rd	Soft volle as d safe	ball, soccer, fu eyball, badmin letermined fea ety, based on r	utsal, tennis, bask iton, table tennis, isible by teachers requests from stud	etball, other sports while ensuring dents.	Can do reflect	warm-up on the cl	o and practice, play games, and ass, led by a leader.
		4th	Soft volle as d safe	ball, soccer, fu eyball, badmin letermined fea ety, based on r	utsal, tennis, bask iton, table tennis, isible by teachers requests from stud	etball, other sports while ensuring dents.	Can do reflect	warm-u on the cla	o and practice, play games, and ass, led by a leader.
		5th	Soft volle as d safe	ball, soccer, fu eyball, badmin letermined fea ety, based on r	utsal, tennis, bask iton, table tennis, isible by teachers equests from stud	etball, other sports while ensuring dents.	Can do warm-up and practice, play games reflect on the class, led by a leader.		o and practice, play games, and ass, led by a leader.

		6th		Softball, soccer, futsal, volleyball, badminton, as determined feasible safety, based on reque	, tennis, basketball, table tennis, other sports by teachers while ensurin ests from students.	Can do warm-up and pr g reflect on the class, led	actice, play games, and by a leader.		
		7th		Softball, soccer, futsal, volleyball, badminton, as determined feasible safety, based on reque	, tennis, basketball, table tennis, other sports by teachers while ensurin ests from students.	Can do warm-up and pr g reflect on the class, led	actice, play games, and by a leader.		
		8th		Softball, soccer, futsal, volleyball, badminton, as determined feasible safety, based on reque	, tennis, basketball, table tennis, other sports by teachers while ensurin ests from students.	Can do warm-up and pr g reflect on the class, led	actice, play games, and by a leader.		
		9th		Softball, soccer, futsal, volleyball, badminton, as determined feasible safety, based on reque	, tennis, basketball, table tennis, other sports by teachers while ensurin ests from students.	g Split into teams in each	sport and select a leader.		
		10th		Softball, soccer, futsal, volleyball, badminton, as determined feasible safety, based on reque	, tennis, basketball, table tennis, other sports by teachers while ensurin ests from students.	Can do warm-up and pr g reflect on the class, led	actice, play games, and by a leader.		
		11th		Softball, soccer, futsal, volleyball, badminton, as determined feasible safety, based on reque	, tennis, basketball, table tennis, other sports by teachers while ensurin ests from students.	Can do warm-up and pr g reflect on the class, led	Can do warm-up and practice, play games, and reflect on the class, led by a leader.		
	4th Quarter	12th		Softball, soccer, futsal, tennis, basketball, volleyball, badminton, table tennis, other sports as determined feasible by teachers while ensuring safety, based on requests from students.					
		13th		Softball, soccer, futsal, volleyball, badminton, as determined feasible safety, based on reque	, tennis, basketball, table tennis, other sports by teachers while ensurin ests from students.	Can do warm-up and pr g reflect on the class, led	actice, play games, and by a leader.		
	14th 15th			Softball, soccer, futsal, volleyball, badminton, as determined feasible safety, based on reque	, tennis, basketball, table tennis, other sports by teachers while ensurin ests from students.	Can do warm-up and pr g reflect on the class, led	Can do warm-up and practice, play games, and reflect on the class, led by a leader.		
				Softball, soccer, futsal, volleyball, badminton, as determined feasible safety, based on reque	, tennis, basketball, table tennis, other sports by teachers while ensurin ests from students.	Can do warm-up and pr g reflect on the class, led	actice, play games, and by a leader.		
		16th		No final exam					
Evaluati	on Meth	od ar	nd V	Veight (%)					
	A		Арр	roach to a class	Practical skill	Leadership	Total		
Subtotal			75		15	10	100		
Basic Prof	Basic Proficiency 7		75		0	0	75		
Specialized Proficiency		0		0	0	0			
Cross Area Proficiency			0		15	10	25		

Akashi College			Year	2024			ourse Title	English II A-1		
Course	Informa	tion								
Course Co	ode	6215				Course Catego	ry	General ,	/ Compulsory	
Class For	mat	Lecture				Credits		School C	redit: 1	
Departme	ent	Electrica	l and	Computer Er	ngineering	Student Grade		2nd		
Term		First Ser	neste	er		Classes per Wo	Classes per Week 2			
Textbook Teaching	and/or Materials	New Ray English (/s Eng Comm	glish Commu nunication II	nication II Textbo Workbook	ok / New Rays	English	Commun	ication II Study Note / New Rays	
Instructor	r	HERBER	T Joh	in C.						
Course	Objectiv	es								
 To review the vocabulary lea use it appropriately. To review the grammar lear study guidelines. To review sentence structur school learning guidelines. To read sentences, understa To acquire English pronuncia 				d at junior hig at junior high arned in junic ext outlines, a skills and acc	h school, acquire school, and learr or high school anc and extract neces cent rules so that	new vocabular n to use gramm l learn to use se sary informatio the student car	y follow ar rules entence n from n speak	ving the hi appropri- structure English te clearly ar	igh school learning guidelines, and ately, according to the high school as appropriately, following the high exts. and communicate to the listener.	
Rubric										
			Ide	eal Level		Standard Leve			Unacceptable Level	
Achievement 1			Th ne hig an	ne student ha w vocabulary gh school lear nd uses them	s well acquired following the rning guidelines appropriately.	The student have a student have a student foll school learning uses them app	as acqu owing f guidel propriat	ired new the high lines and ely.	The student has neither acquired new vocabulary following the high school learning guidelines nor used them appropriately.	
Achievem	ient 2		Th use ap hig	ne student has le grammar ri propriately, a gh school stud	s well learned to ules according to the dy guidelines.	The student ha grammar rules according to th study guideling	as learr approp ne high es.	ed to use priately, school	The student has not learned to use grammar rules appropriately, according to the high school study guidelines.	
Achievem	ient 3		Th use ap scl	e student ha e sentence st propriately, f hool learning	s well learned to cructures ollowing the high guidelines.	The student has sentence struct appropriately, school learning	as learr tures followir guidel	ned to use ng the hig lines.	The student has not learned to use sentence structures appropriately, following the high school learning guidelines.	
Achievem	ient 4		Th sei ou inf ve	ne student can ntences, und itlines, and ex formation from ry well.	n read erstand text xtract necessary m English texts	The student can read sentences, understand text outlines, and extract necessary information from English texts.		d text necessary lish texts.	The student can not read sentences, understand text outlines, or extract necessary information from English texts.	
Achievem	ient 5		Th En aco cai co	he student ha Iglish pronunc cent rules so n speak clear mmunicate to	tudent has well acquired A pronunciation skills and cacent rules so that the student vacent rules so can speak clearly and unicate to the listener.			uired skills and he studen istener.	The student has not acquired English pronunciation skills or t accent rules so that the student can speak clearly and communicate to the listener.	
Assigne	d Depar	tment Of	niect	ectives						
Teachin	a Metho	d								
Outline		Based or English s	n Eng senter	lish learned i	n junior high scho uire reading skills	ool, this class is ; to help them	to help acquire	students	understand the basic structure of y to listen and express simple	
Style		Attend t	senter he cla	nces; and, to asses, prepare Il be provided	perform word tes e for the classes t l in the first week	sts and strength by studying the Study the ban	relevar	abulary k t sections	nowledge. s of the workbook. tand it in detail	
Nation		Quizzes	are u	sed to increa	se student vocabi	ulary and develo	op liste	ning abilit	V.	
notice		Students	s who	miss 1/4 or	more of the class	es ŵill not be e	ligible f	or evaluat	ion.	
Charact	eristics of	of Class /	′ Divi	ision in Lea	arning	1				
☑ Active	Learning			Aided by IC	Т	Applicable t	o Rem	ote Class	 Instructor Professionally Experienced 	
Course	Plan									
			Them	ne			Goals			
		1st	Cours (Cour	se guidance rse progress	method, learning	method, etc.)	Under	stand cou	rse content and assignments.	
		2nd	Chap	oter 1 Part 1/2	2		Based school langua	on the co l, understa age.	ontent learned in junior high and the basic structure of English	
1 ch		3rd	Chap	oter 1 Part 3/4	4		Based school langua	on the co l, understa age.	ntent learned in junior high and the basic structure of English	
Ist Semeste Quarter 4th R		Revie	ew			Under learne	standing 1 d so far.	the weak points on the content		
r Quarter 5t		5th	Chap	oter 2 Part 1/2	2		Based school langua	on the co l, understa age.	ontent learned in junior high and the basic structure of English	
	6th	Chap	oter 2 Part 3/4	4		Based schoo langua	on the co l, understa age.	ontent learned in junior high and the basic structure of English		
		7th	Revie	ew			Understanding the weak points on the content learned so far.			

		8th	Chapter 3 Pa	rt 1/2		Learn the vocabulary and grammar rules set as lesson tasks.				
		9th	Chapter 3 Pa	nrt 3/4		Learn the vocabulary and grammar rules set as lesson tasks.				
		10th	Chapter 4 Pa	nrt 1/2		Learn lesson	the vocabulary and gr tasks.	ammar rules set as		
		11th	Chapter 4 Pa	art 3/4		Learn lesson	the vocabulary and gr tasks.	ammar rules set as		
	2nd	12th	Review			Under learne	Understanding the weak points on the content learned so far.			
	Quarter	13th	Chapter 5 Pa	rt 1/2		Learn lesson	Learn the vocabulary and grammar rules set as lesson tasks.			
		14th	Chapter 5 Pa	nrt 3/4		Learn the vocabulary and grammar rules set as lesson tasks.				
		15th	Review			Understanding the weak points on the content learned so far and preparing for the exam.				
		16th	Final exam			Test the student understanding of the content learned so far.				
Evaluati	ion Meth	od and	Weight (%)							
		Final Ex	kam	Quizzes	Assignments		Behavior/Active Learning	Total		
Subtotal		40		40	10		10	100		
Basic Prof	ficiency	40		40	10		10	100		
Specialize Proficienc	ed Y	0		0	0		0	0		
Cross Are Proficienc	a Y	0		0 0			0	0		

Akashi College			Year	2024		C	ourse Title	English II A-2			
Course	Information	tion									
Course Co	ode	6216				Course Catego	ry General / Compulsory				
Class For	mat	Lecture				Credits	School Credit: 1				
Departme	ent	Electrica	l and	d Computer Er	ngineering	Student Grade	2nd				
Term		Second S	Seme	ester		Classes per We	r Week 2				
Textbook Teaching	and/or Materials	New Ray	/s En	nglish Commu	nication II 教科書。	/学習ノート/W	ORKBO	OK			
Instructor	r	INOUE F	lidet	oshi							
Course	Objectiv	es									
 1) 中子で既首の語彙の正有を図り、高寺子校子首指導要領に準した新出語彙を首保して適切に連用できる。 2) 中学で既習の文法に加え、高等学校学習指導要領に準じた文法を習得して適切に運用できる。 3) 中学で既習の文構造に加え、高等学校学習指導要領に準じた文構造を習得して適切に運用できる。 4) 平易な英語で書かれた文章を読み、その概要を把握し必要な情報を読み取ることができる。 5) 明瞭で聞き手に伝わるような発話ができるよう、英語の発音・アクセントの規則を習得して適切に運用できる。 											
Rubric						1					
			理	想的な到達レイ		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			高出用	等学校学習指導 語彙を十分に習 できる。	事要領に準じた新 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 て運用て	こ準じた新 ごきる。	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			高法に	等学校学習指導や文構造を十分 で運用できる。	尊要領に準じた文 みに習得して適切	高等学校学習指導 法や文構造を習 。	尊要領に 导して遅	こ準じた文 『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			高 構 で	語等学校学習指導 造を十分に習得 きる。	尊要領に準じた文 导して適切に運用	高等学校学習指導 構造を習得してす。	尊要領に 適切に通	こ準じた文 『用できる	高等学校学習指導要領に準じた文 構造を習得していない。		
評価項目4			平 、 情	るな英語で書か その概要を十分 報を読み取るこ	いれた文章を読み みに把握し必要な ことができる。	平易な英語で書た 、その概要を把す 読み取ることが	かれた文 屋し必要 できる。	て章を読み 夏な情報を	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			英 十 。	語の発音・アク 分に習得して道	クセントの規則を 適切に運用できる	英語の発音・アク 習得して適切に)	クセント 重用でき	への規則を きる。	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	oject	tives							
Teachin	g Metho	d									
Outline		中学校既 簡単な英 単語テス	習事I 文を聞 トをi	頃をもとに英文 聞き取り、表現 適宜行い、語彙	の基本構造を理解 する力を身につけ 力強化を図る。	し、読解力を身に る。	つける。				
Style		毎回、教 授業終了 小テスト	科書、 後は「 (語彙	、学習ノートの ワークブックで 彙)、ノート提	該当箇所を予習し 学習事項の定着を[出がある。	た上で授業に出席 図ること。	すること	<u>ل</u> •			
Notice		遅刻や欠	席に。 象とし	よる小テストの しない欠席条件	→未受験は0点の扱し →(割合) 1/4以上の	いとする。 欠課。					
Charact	eristics o	of Class /	Div	ision in Lea	arning						
Active	Learning			Aided by IC	T	Applicable to Re		ote Class	Instructor Professionally		
				,					Experienced		
Course	Dlan										
Course			Thor	me			Goals				
			授業	ガイダンス					<		
		lst	(授	業の進行方法、	学習方法など)		物点の	兄服を日指	∃9 o		
		2nd	Less	on 6 Part 1/2			レッス を習得	ンの課題と する。	こして設定されている語彙・文法など		
		3rd	Less	on 6 Part 2/3			レッス を習得	ンの課題と する。	こして設定されている語彙・文法など		
	3rd	4th	Less	on 6 Part 3/4			レッス を習得	ンの課題と する。	こして設定されている語彙・文法など		
	Quarter	5th	課末	問題			レッス を習得	ンの課題と する。	こして設定されている語彙・文法など		
2 m d		6th	Less	on 7 Part 1/2			レッス を習得	ンの課題と する。	こして設定されている語彙・文法など		
Semeste		7th	Less	on 7 Part 2/3			これま 備える	での学習内	9容について弱点を把握し中間試験に		
r 8 4th Quarter		8th	中間	試験			これま	<u>。</u> での学習内	1容の理解力を試す。		
	9th	中間	試験返却および	が解説		弱点の	克服を目指	当す。			
	10th	Less	son 7 Part 3 son 7 Part 4			レッス	ンの課題と	として設定されている語彙・文法など			
	11th	<u>球木</u> Less	_回 on 8 Part 1/2			で首侍レッスを羽伊	<u>ッる。</u> ンの課題と オス	こして設定されている語彙・文法など			
	12th	Less	son 8 Part 2/3			を習得9る。 レッスンの課題として設定されている語彙・文法など					
		13th	666	on 8 Part 3/4			レッス	<u>、 2。</u> ンの課題と	こして設定されている語彙・文法など		
		1001					を習得	する。			

		14th	課末問題			レッス を習得	レッスンの課題として設定されている語彙・文法など を習得する。			
		15th	Lesson 9 Par	t 1/2		これま 備える	これまでの学習内容について弱点を把握し期末試験に 備える。			
		16th	期末試験			これまでの学習内容の理解力を試す。				
Evaluati	ion Meth	od and V	Weight (%)							
		定期試験	Ŕ	課題提出	小テスト		その他	Total		
Subtotal		50		30	20		0	100		
基礎的能力	基礎的能力 50			30	20		0	100		
専門的能力	E力 0 0 0		0		0	0				
分野横断的	断的能力 0 0 0 0		0		0	0				

Akashi College		Year	2024		C	ourse Title	Co+work I A		
Course	Informa	tion	·						
Course Co	ode	6219			Course Catego	ry	General ,	/ Compulsory	
Class For	mat	Seminar			Credits		School C	redit: 1	
Departme	ent	Electrical	and Computer E	ngineering	Student Grade		2nd		
Term		First Sem	ester		Classes per Week 2				
Textbook Teaching	and/or Materials	『Co+wo 教員が用意	k book~3年間の する。	D記録』、Co+work	〈学生ポータルサイ	イト、そ	の他、各	チームの活動の内容に応じて適宜担当	
Instructor	r	All faculty							
Course	Objectiv	es							
自律に関す 協働に関す 創造に関す	する到達目橋 する到達目橋 する到達目橋	票:自己調整な 票:他者を尊重 票:課題等を発	「できる。 ┋しながらチームで ٤見し新しい提案カ	で作業ができる。 ができる。					
Rubric									
			理想的な到達レ	ベルの目安	標準的な到達レ	ベルのE	安	未到達レベルの目安	
自律に関す	する到達目樹	E.	タイムマネジメ た報告・連絡・ を立て振り返るの れらを自分なりの え最善と思う行	ントや必要に応じ 相談ができ、目標 ことができる。こ の判断と工夫を加 動をとる。	タイムマネジメ た報告・連絡・ を立て振り返る れらのことをや	ントや ^成 相談がて ことがて るべきほ	必要に応じ でき、目標 できる。こ 時に行う。	タイムマネジメントや必要に応じ た報告・連絡・相談、目標を立て 振り返ることの行動が伴わない。	
協働に関す	する到達目樹	Ē	他者の意見をして 者を受け入れつ る。また、協働 とができる。ここ 判断と工夫を加え をとる。	っかりと聞き、他 つ自己表現ができ 作業に貢献するこ れらを自分なりの え最善と思う行動	他者の意見をして 者を受け入れつ る。また、協働 とができる。こ べき時に行う。	っかりと つ自己表 作業に貢 れらのこ	と聞き、他 長現ができ 貢献するこ ことをやる	他者の意見をしっかりと聞くこと 、他者を受け入れつつ自己表現を 行う行動が伴わない。また、協働 作業に貢献する行動が伴わない。	
創造に関す	する到達目様		記録や収集した 踏まえ、新しい 案をすることが の及ぼす影響や 。そして、これ 断と工夫を加え とる。	情報の意味づけを ものやしくみの提 できる。またたきる 範囲を特分なりの判 最善と思う行動を	新しいものやし ことができる。 影響や範囲を特 これらのことを 。	くみの扱 また提案 できる やるべき	是案をする その及ぼす る。また、 き時に行う	記録や収集した情報の意味づけを 踏まえ、新しくものやしくみの提 案をすることができない。また提 案の及ぼす影響や範囲を特定でき ない。また、新しい提案をする行 動が伴わない。	
Assigne	d Depar	tment Ob	ectives						
Teachin	ng Metho	d							
Outline		本授業は、 。1人の教 交わりなど て行動しき 誰かを幸む 標)の170	2、3、4年生、 員が1チームもし)の中で、自律、 ームワークカを発 たするもの(社会 の目標につながるもの	4 学科の学生を無(くは2 チームを担当 協働、創造の能力な 諸揮して、メンバー。 徐との関わりを持つ) 5のとする。	作為に選んで構成 する。多様な環 を養成することを と協働しながら創 、チームにとっ	された	数名で編成 料・他学 する。受講 舌動を行う ャレンジを	されたチームで行うPBL型授業である 年の学生との交わり、学外の人々との 生は、自らチーム内での役割を考え ことが求められる。活動テーマは、 含むもの、SDGs(持続可能な開発目	
Style		ルのしまで、行いていたのでは、このでは、このでは、このでは、このでは、このでは、このでは、このでは、こ	 クを参照しながら 係を構築する。次の理解を深める。 の理解を深める。 する。第7週の計 当教員や学士から しながら計画的に 行いチーム活動執 には、担当教員と 	5、各自で自己目標 にチームで、SDG それから話し合い 一 の発表会・意見交換 5の助言を受ける。 に 提案やプロトタ- 法書を記入し担当 2 個別に自己評価や 材	を立てる。そして を立てる。そして なく 持続可能な開 を通じて、SDGsG 絵にてチームの 約 なご な受け、 の 定 の 作成、実践 教員に提出する。 相互評価を踏まえ	チ目目動ームに、 チ目目動ー動でした。 チョンスでの	内で自己紹 の17の目 つながつい で計をじのの をじて を で た の を で た の た の た つ た の た の た の た の た の た の た の	介、アイスブレイクを通じてチーム 標の目標の細分化項目の調査や把握を チームの活動テーマを確定し、活動計 て、ブレゼンテーションを行い、他の 正を行う。その後はチームで協力、 。毎週、授業の終わりにチームでふ を加えながら次回の目標を立てる。 う。	
Notice		 (1)個月 (2)チー (3)成界 上記(1) う。(2) 評価の対象 	、の取り組み 60% ムの取り組み20% 20%(協働(50 は、ルーブリック (3)は計画発表 としない欠席条件	(自律(40%)+ %(協働(50%)+ %)+創造(50%) クを用いた学生の自 気での複数の教員が 〔割合〕 1/4以上の	協働(40%)+創 創造(50%))) 己評価、相互評価 などによる評価と 欠課	造(20 町と教員 する。6	%)) の評価をも 50点以上を	っとに、チームの担当教員が評価を行 合格とする。	
Charact	eristics	of Class /	Division in Le	arning					
☑ Active	Learning	ł	☑ Aided by IC	T	☑ Applicable t	o Remo	ote Class	Instructor Professionally Experienced	
Course	Plan								
		1	heme			Goals			
		1st #	†リエンテーション 受業ガイダンス、ラ 受業ガイダンスをす する諸注意、評価ァ →メンバーの顔合れ	ァ チームビルディング 受け、全体スケジュ 5法等を確認する。 つせ、チームビルデ	ール、活動に関 担当教員とチー ィングを行う。	この授	業の目的や	▶進め方を理解する	
1st Semeste r 2		2nd	5動目標の決定お。 目で定めて記録する ってアイデアを出し や定した活動目標に アジュール等を決定	よび活動内容の計画 る。チーム活動に向 J議論をする。 こ沿って、実施方法 をし活動計画書にま	、自己目標を各 け、テーマに沿 、役割分担、ス とめる。	自律、	協働、創造	しの能力を身に付ける	
3		3rd	5動目標の決定お。 デーム活動の目標が マを出し議論をする な、役割分担、スク ちとめる。完成後に	に沿ってアイデ 標に沿って、方 し活動計画書に	自律、協働、創造の能力を身に付ける				

		4th	活動目 オーム アを出 法、役 まとめ	漂の決定お。 活動の目標 し議論をする 割分担、スタ る。完成後(よび活動内 決定に向け る。決定し ケジュール よ活動を開	対容の計画 ナ、テーマに沿っ した活動目標に沿 レ等を決定し活動 開始する。	ってアイデ つて、方 計画書に	自律、協働、	創造の能力を身に付け	ける
		5th	活動目 オテーム アを出 法、役 まとめ	漂の決定お。 活動の目標 し議論をする 割分担、スタ る。活動計画	よび活動内 決定に向け る。決定し ケジュール 画書を提出	対容の計画 ナ、テーマに沿っ ↓た活動目標に沿 ↓等を決定し活動 出する。	ってアイデ つて、方 計画書に	自律、協働、	創造の能力を身に付け	ける
		6th	チーム 活動計 8意見	活動 画書に従っ⁻ 交換会の準(てチームて 備を行う。	で活動を行う。計	画発表会	自律、協働、	創造の能力を身に付け	ける
		7th	計画発 活動内 を行う。	表会&意見3 容を共有する 。他のチーム	交換会 るためにチ ムの報告を	チームの活動につ を聞き、意見交換	いて報告 きを行う。	チームの活動 他のチームの ができる	を簡潔に伝えることた 活動を共有し評価し、	ができる 意見を伝えること
		8th	計画の 計画発 う。ス になっ	見直し・チ- 表会&意見3 ケジュールの た場合、活動	ーム活動 交換会を踏 の遅延やま 動計画の修	踏まえ、計画の見 尾施方法の不備等 修正・変更を行う	しを行 が明らか	自律、協働、	創造の能力を身に付け	ける
		9th	チーム 活動計 ルの遅 活動計	舌動 画書に従っう 延や実施方注 画の修正・፺	てチームで 去の不備等 変更を行う	で活動を行う。ス 身が明らかになっ う。	、 ケジュー た場合、	自律、協働、	創造の能力を身に付け	ける
		10th	チーム 活動計 に ルの遅 活動計 う。	舌動 画書に従っう 延や実施方派 画の修正・3	てチームで 去の不備等 変更を行う	ご活動を行う。ス 身が明らかになっ う。中間報告会の	くケジュー た場合、)準備を行	自律、協働、	創造の能力を身に付け	ける
		11th	チーム 活動計 に ルの遅 活動計 う。	活動 画書に従っう 延や実施方派 画の修正・3	てチームで 去の不備等 変更を行う	で活動を行う。ス 身が明らかになっ う。中間報告会の	く ケジュー た場合、)準備を行	自律、協働、	創造の能力を身に付け	する
	2nd	12th	チーム 活動計 に ルの遅 活動計 う。	活動 画書に従っる 延や実施方派 画の修正・3	てチームで 去の不備等 変更を行う	で活動を行う。ス 身が明らかになっ う。中間報告会の	く ケジュー た場合、)準備を行	自律、協働、	創造の能力を身に付け	する
	Quarter	13th	チーム 活動計 に ルの遅 活動計	活動 画書に従っ 延や実施方派 画の修正・3	てチームで 去の不備等 変更を行う	で活動を行う。ス 身が明らかになっ う。	く ケジュー った場合、	自律、協働、	創造の能力を身に付け	ける
		14th	こ前省て点動バック	での活動の に 気り 返り ち 動 た う 後 協 い 働 、 倉 ま こ お ま で し で の 活動 り た う 後 協 協 働 、 倉 ま 、 品 い て 動 ま う 書 ま 、 記 ち 動 ま う 書 ま 、 記 ち 動 ま ま こ ま ま 、 記 ち 動 ま ま こ ま ま 、 お し て 動 ま ま こ ま ま こ よ よ び て む ま ま こ ま ま こ た ま こ た こ ち む ま こ ま こ た こ こ こ こ こ こ こ こ こ こ こ こ こ	ふりかえりに ううしたででした。 いたので、 いたので、 ので、 ので、 ので、 ので、 ので、 ので、 ので、 ので、 ので、) これまでのチー 烈する。各自の行 して目標達成した する。自己および 当教員より個別に	ム活 動 を み や 反 の 行 に て イ ー ド	チームや自身 る	の行動を客観的にふり	Oかえることができ
		15th	こ前省て点動バ	ン・こへいし。 これまでの活動のふりかえり 期の振り返りを行うと共にこれまでのチーム活動を 済み、今後の活動計画を確認する。各自の行動を省み こ、自律、協働、創造に関して目標達成した点や反省 該を自己および相互に記録する。自己および相互の行 かの記録をもとにチーム担当教員より個別にフィード						Oかえることができ
16th 期末試験 実施せず										
Evaluati	on Met	hod and \	Weight	t (%)			1		T	1
		個人評価(こ ス評価)(E	プロセ 自律)	個人評価 ス評価)	(プロセ (協働)	個人評価(プロ ス評価)(創造	セ ジ (セ (新、 (朝)	ム評価(成果 報告会)(協	チーム評価(成果 物、報告会)(創 造)	Total
Subtotal		24		24		12	20		20	100
基礎的能力	נ	0		0		0	0		0	0
専門的能力	J	0		0		0	0		0	0
分野横断的能力		24		24		12	20		20	100

Akashi College			Year	2024		C	ourse Title	Co+work I B		
Course	Informa	tion	I							
Course Co	ode	6220				Course Catego	ry	General /	Compulsory	
Class For	mat	Seminar				Credits		School C	redit: 1	
Departme	ent	Electrica	l and	l Computer Er	ngineering	Student Grade		2nd		
Term		Second S	Seme	ester		Classes per Week 2				
Textbook Teaching	and/or Materials	No requi team.	ired t	extbook and t	the required mate	erial will change	accord	ling to the	e contents of the activity of each	
Instructor	r	All facult	Y							
Course	Objectiv	es								
1) Self-re 2) Co-ope 3) Creativ	eliance: To eration skil ve Skills: T	acquire ind ls: To gain o acquire tl	lividu the a he ab	ality and self- ability to work pility to gather	-management abi in teams and res r and organize inf	lity spect the teamn ormation, disco	nates. ver and	d propose	solutions to problems.	
Rubric									- 1	
			Id	leal Level		Standard Leve	l		Unacceptable Level	
1 Self-reli	1 Self-reliance			chedule mana porting, conta anning goals ammates	gement, act, consultation, with the	Individually ab management, contact, consu goals.	le to so reporti Itation,	chedule ng, planning	Not able to schedule management, reporting, contact, consultation, and planning goals	
2 Co-ope	ration skill	5	Op to op tea	pen to differen express the s pinion, and ab am into a con	nt opinions, able student personal ility to lead the isensus.	Open to different to express the opinion, and al attributed role	ent opir studer bility to in the	nions, able of persona o play the team.	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	3 Creative Skills			ne student car ather informat nd summarize formation, for splain those id	n voluntarily tion, organize this m ideas and leas to others.	The student ca gather informa and summarize information, an ideas to others	in volu ition, o e this nd expl s.	ntarily rganize ain those	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	oject	tives						
Teachin	ng Metho	d								
Outline		This cou student departm charge a someone will revis	rse a can c ents, and ch e othe se the	ims to develo contribute to a , different age hallenge them er than the te eir plan after i	p the students' se a team in a variet a, and people from hselves in creating am members. Ea its presentation a	elf-reliance, co- y of environmer n outside the sc g something or ch team has to t a briefing sess	operati nts (wo hool). perforr elabor ion and	on and cre orking with Each grou n activities ate a plan d retrospe	eative skills in a manner that the a students from other p is to work with the instructor in s that will bring happiness to and do its activities. The students ctive evaluation.	
Style		2nd,3rd, group w breaks a and disc toward a of self-re teacher individua performa and set	, and ith m over a solu elianc in cha ance the n	and 4th academic year students from all four departments are randomly selected to compose a h multiple students. After each student introduces themselves to the team, they will perform ice d other activities that will help to build relationships within the group. Later the team will discuss ver a problem to work with, make plans, divide roles among the members and work together solution to the problem. Through working to solve this problem the students will achieve the goals iance, co-operation, and creativity. After the course start, make sure that you can contact the charge of the team. Based on the course rubric distributed in class each student has to establish goals. The course rubric is used to self-evaluation, mutual evaluation, and to evaluate the nce of each student. Every week at the end of the lesson, the student has to fill a retrospective sh performance.						
Notice		The grac evaluatio the end Students	ding s on by of the s who	system of the the teacher i e term (2). miss 1/4 or	course is compos in charge of the to more of classes v	ed on the self-evaluation by students, mutual evaluation, eam (1), and multiple faculty members at the briefing session at vill not be eligible for evaluation.				
Charact	eristics of	of Class /	' Div	vision in Lea	arning	1				
☑ Active	Learning		V	Aided by ICT	Г	Applicable t	o Rem	ote Class	Instructor Professionally Experienced	
Course	Plan									
			Then	ne			Goals			
1		1st	Cour mem confi advic evalu team toget	se overall gui nbers of each irmation of co ce regarding t uation methoo n and the teac ther on team	dance, presentati team, team build urse schedule, re the activities, expl d. Later team me cher in charge me building.	on of the ing guidance, strictions and lanation of the mbers and the et and work	To aco Creati	quire Self- ve Skills.	reliance, Co-operation and	
2nd Semeste r Quarter 2		2nd	Each goals the a goal, meth and s actio	n student set t s. The team w activities. Late , the group wi nod, division c schedule, whi on plan.	the activity target vill discuss ideas a er according to the ill work on the im of roles among the ich will be summa	s, and self- and a theme to e team activity plementation e members irized in an	To aco Creati	quire Self- ve Skills.	reliance, Co-operation and	
3rd		3rd	Each goals the a goal, meth and s actio	student set t s. The team wactivities. Late , the group wi nod, division c schedule, whi on plan.	he activity target vill discuss ideas a er according to the ill work on the im of roles among the ich will be summa	s, and self- and a theme to e team activity plementation e members prized in an	To acquire Self-reliance, Co-operation and Creative Skills.			

		4th	Each student set t goals. The team w the activities. Late goal, the group wi method, division o and schedule, whi action plan.	he activity target ill discuss ideas a r according to th Il work on the im f roles among th ch will be summa	s, and self- and a theme to e team activity plementation e members irrized in an	To acquire Self-re Creative Skills.	eliance, Co-opera	ation and	
		5th	Setting targets and action plan. Accord the team, the grou them. The group v decide the method role sharing, sched	d planning activit ding to the theme up will draw ideas vill establish the a l to achieve it, de dule, and summa	ies, submit the e and goals of and discuss activity goal, cide members' rize in a plan.	To acquire Self-re Creative Skills.	eliance, Co-opera	ition and	
		6th	Team activities: W plan. The action pl according to schec of the implementa	ork according to an may be modif lule delay, the ind tion method, etc.	the action fied/changed, completeness	To acquire Self-reliance, Co-operation and Creative Skills.			
		7th	Team activities: W plan.	ork according to	the action	To acquire Self-re Creative Skills.	eliance, Co-opera	ation and	
		8th	No mid-term Exam	1					
		9th	Team activities: W plan. The action pl according to scheo of the implementa the briefing session	fork according to an may be modifule delay, the ind tion method, etc. n.	the action fied/changed, completeness . Prepare to	To acquire Self-re Creative Skills.	eliance, Co-opera	ation and	
		10th	Team activities: W plan. The action pl according to scheo of the implementa the briefing session	fork according to an may be modif lule delay, the ind tion method, etc. n.	the action fied/changed, completeness Prepare to	To acquire Self-reliance, Co-operation and Creative Skills.			
	1		Team activities: W plan. The action pl according to schec of the implementa the briefing session	ork according to an may be modif lule delay, the ind tion method, etc. n.	the action fied/changed, completeness Prepare to	To acquire Self-re Creative Skills.	eliance, Co-opera	ation and	
	4th Quartei	12th	Team activities: W plan. The action pl according to schec of the implementa the briefing session	ork according to an may be modifule delay, the ind tion method, etc. n.	the action fied/changed, completeness Prepare to	To acquire Self-re Creative Skills.	eliance, Co-opera	ation and	
		13th	Briefing session: R and listen to repor	eport the activitions from other gro	es of the team oups.	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 ach regarding self-relia creativity.	ting and summar cuss the results fr id review the tear evaluate individua ieved points and ance, co-operatio	ry of activities: rom the m action plan. ally and goals, n, and	To acquire Self-re Creative Skills.	ation and		
		15th	Retrospective meeting and summary of activities: The group will discuss the results from the briefing session and review the team action plan. The students will evaluate individually and mutually their achieved points and goals, regarding self-reliance, co-operation, and creativity.			To acquire Self-reliance, Co-operation and Creative Skills.			
		16th	No end-term Exam	ו					
Evaluat	ion Me	thod and V	Veight (%)	1	1		1		
	I S	ndividual Self-reliance process)	Individual Co-operation (process)	Individual Creativity (process)	Team Co- operation (process)	Team Creativity (process)	Other	Total	
Subtotal	2	24	24	12	20	20	0	100	
Basic Proficienc	y C)	0	0	0	0	0	0	
Specialize Proficienc	ed c)	0	0	0	0	0	0	
Cross Are Proficienc	Cross Area Proficiency 24 24 12 20		20	20	0	100			

Akashi College		Year	Year 2024		Cours Title	e	Mathematics Certification I		
Course	Informa	tion							
Course Co	ode	6222			Course Catego	y Gene	eral /	/ Elective	
Class For	mat	その他			Credits	Scho	ol C	redit: 1	
Departme	ent	Electrical a	and Computer E	ngineering	Student Grade	2nd			
Term		Year-roun	d		Classes per We	Veek 1			
Textbook Teaching	and/or Materials	None							
Instructor	·	OMODA Y	asuhiro						
Course	Objectiv	es							
he goal is If you pas Practical I The evalu	to pass a ss any of t Mathemati ation shal	qualifying ex he following cs Proficiency l be 100 in ca	amination by ar qualifications, yo / Test: Level 2 ase of passing.	n external organiza ou will be eligible f	ation with conter for credit recogn	nt related to ition.	mat	thematics.	
Rubric									
			Ideal Level		Standard Level				
Achievem	ient 1		Practical Mathe Proficiency Tes	ematics t: Pass Level 2.	Practical Mathe Proficiency Tes	matics t: Pass Leve	12.	Practical Mathematics Proficiency Test: Fail to pass Level 2.	
Assigne	d Depar	tment Obj	ectives						
Teachin	g Metho	d							
Outline As a result of learning in the field of mathematics, it is positioned as a subject that gives credits according to the results of qualification examinations sponsored by external organizations. If you pass one of the designated external qualification exams and complete the prescribed procedures by the deadline designated by the Educational Affairs Section of the Student Affairs Division, you will be awarded one credit.									
Style		This is self	-study for the q	ualification exam,	, and no lectures	are given.			
Notice Certificates of passing the examinations taken in the 1st and 2nd grades or certificates of passing the examinations taken in the first and second years are required for credit transfer. Credits will not be granted i proof is not submitted within this period. Strictly observe the deadline. Absence conditions (percentage) that are not considered for passing No condition									
Charact	eristics of	of Class / [<u>Division in Le</u>	arning					
Active	Learning		□ Aided by IC	т	Applicable t	o Remote C	lass	 Instructor Professionally Experienced 	
Course	Plan	,							
		Т	heme			Goals			
		1st S	elf-directed lear	ning		Voluntary s lectures)	tudy	for qualification exams (no	
		2nd sa	ame as above			same as ab	ove		
	1 ct	3rd sa	me as above			same as ab			
	Quarter	4th sa	me as above			same as above			
	-	5th sa	me as above			same as above			
		6th sa	ame as above			same as above			
1st		7th So				same as ab			
Semeste		Oth St	ane as above			same as above			
1		901 Sc	ane as above			same as ab			
		11th c:	ame as above		same as above				
	2	12th s:	ame as above			samo as ab			
	Ouarter	13th s:	ame as above			same as ab			
		14th s	ame as above			same as ab	ove		
		15th s	ame as above			same as ab	ove		
		16th N	o final exam				010		
		1st S	elf-directed lear	ning		Voluntary s	tudy	for qualification exams (no	
		2nd sa	ame as above			same as ab	ove		
		3rd sa	ame as above			same as ab	ove		
	3rd	4th sa	ame as above			same as ab	ove		
	Quarter	5th sa	ame as above			same as ab	ove		
2nd		6th sa	ame as above			same as ab	ove		
Semeste		7th sa	ame as above			same as ab	ove		
1		8th sa	ame as above			same as ab	ove		
		9th sa	ame as above			same as ab	ove		
		10th sa	ame as above			same as above			
	4th	11th sa	ame as above			same as above			
		12th sa	ame as above			same as above			
		13th sa	ame as above			same as ab	ove		

		14th	same as above		same as above	same as above				
		15th	same as above		same as above	same as above				
		16th	No final exam							
Evaluati	on Meth	od and \	Veight (%)	ight (%)						
			Examination	Other		Total				
Subtotal			0	100		100				
Basic Prof	Basic Proficiency		0	0 100		100				
Specialized Proficiency		0	0		0					
Cross Are	a Proficien	су	0	0		0				

Akashi College		Year	2024		Cou	urse tle	Electric Circuits II A			
Course	Informat	tion		•						
Course Co	ode	6226			Course Categor	y s	pecialize	d / Compulsory		
Class Forr	nat	Lecture			Credits	A	cademic	Credit: 2		
Departme	ent	Electrica	l and Computer E	ingineering	Student Grade	2	nd			
Term		First Sen	nester		Classes per We	ek 2				
Textbook Teaching	and/or Materials									
Instructor	-	KAJIMUF	RA Yoshihiro							
Course	Objectiv	es								
Evaluation elements, Evaluation them in th Evaluation calculate Evaluation Evaluation	Evaluation point 1: Understand and can explain the relationship between voltage and current in resistance, coils, and capacitor alements, and can use it in the calculation of an electrical circuit. Evaluation point 2: Understand and can explain the instantaneous values, phaser, and complex number expressions, and can use them in the calculation of a sine wave AC circuit. Evaluation point 3: Can explain the principle and method of measuring effective power, reactive power, and power factor, and calculate them. Evaluation point 4: Can explain how mutual inductance circuits work, and calculate circuit voltages, currents, etc. Evaluation point 5: Can explain and calculate voltages and currents (phase voltage, line voltage, line current) in three-phase AC.									
Rubric										
			Ideal Level		Standard Level			Unacceptable Level		
Achievement 1			Understand th between volta- resistance, coi elements, and applied calcula electrical circu	e relationship ge and current in ls, and capacitor can use it in the tion of an it.	Understand the between voltag resistance, coils elements, and calculation of a circuit.	e relation le and cu s, and ca can use i n electric	ship irrent in pacitor t in the cal	Do not understand the relationship between voltage and current in resistance, coils, and capacitor elements, and cannot use it in the calculation of an electrical circuit.		
Achievement 2			Understand ar instantaneous and complex r expressions, a in the applied sine wave AC	d can explain the values, phaser, umber nd can use them calculation of a circuit.	Understand and instantaneous v and complex nu expressions, an in the calculatic AC circuit.	d can exp values, p umber id can us on of a si	blain the haser, se them ne wave	Do not understand and cannot explain the instantaneous values, phaser, and complex number expressions, and cannot use them in the calculation of a sine wave AC circuit.		
Achievement 3			Can explain th method of me power, reactiv power factor, a problems.	e principle and asuring effective e power, and and solve	Can explain the principle and method of measuring effective power, reactive power, and power factor.			Cannot explain the principle and method of measuring effective power, reactive power, and power factor.		
			Can perform a calculations of currents, etc. i inductance circ	pplied voltages, in mutual cuits, etc.	Can calculate voltages, currents, etc. in mutual inductance circuits, etc.			Cannot calculate voltages, currents, etc. in mutual inductance circuits, etc.		
			Can perform a calculations of currents (phas voltage, line cu phase AC.	pplied voltages and e voltage, line urrent) in three-	Can calculate voltages and currents (phase voltage, line voltage, line current) in three- phase AC.			Cannot calculate voltages and currents (phase voltage, line voltage, line current) in three- phase AC.		
Assigne	d Depar	tment Ob	jectives							
Teachin	g Metho	d								
Outline		The goal voltage, engineer students	s of this course a current, and imp ing, and be able learn them.	re to be able to ex edance in the AC c to calculate them.	plain the meanii ircuit theory, wh The class also ir	ng and a nich is th nvolves p	pplication e basis co practice p	n of physical quantities such as of electrical and electronic problem exercises, etc. to help		
Style		Explanat There wi	ions will be given ill regularly be rep	in line with the te port assignments o	xtbook. The clas	ss will be ises.	carried	out using slides and worksheets.		
Notice		This cour guarante assignme assignme the end Students	rse's content will eed in classes and ent reports. The o ents including wo of each chapter. s who miss 1/3 or	amount to 180 ho the standard self- overall evaluation v rksheets done duri The minimum scor more of classes w	urs of study in t study time requ will be based 80' ing class. The re e for a pass will vill not be eligible	otal. The lired for % on per ports wi be 60% e for a pa	ese hours pre-stud riodic exa Il be mos assing gr	s include learning time y / review, and completing ams, and 20% on report stly made up of the questions at rade.		
Charact	eristics o	of Class /	Division in Le	arning						
☑ Active	Learning		☑ Aided by IC		☑ Applicable to	o Remote	e Class	□ Instructor Professionally Experienced		
			·		·			· ·		
Course	Course Plan									
			Theme			Goals				
		1st	Electrical mathen	natics exercise I		Can calc	ulate de	rivative and complex numbers.		
		2nd	Electrical mathen	natics exercise II		Can calc	ulate int	egrals.		
1st	1st	3rd	Sine wave AC, m	ean values		Understand sine wave AC and calculate me values.				
Semeste r	Quarter	4th	RMS values			Can calculate RMS values.		IS values.		
[.]		5th	Resistive circuits			Can find the current in a resistive circuit.				
		6th	Inductance circui		Can find the current in a inductance circuit.					
		7th	Capacitor circuits	;		Can find the current in a capacitor circuit.				
		8th Midterm exam								
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		9th	R	-L circuits			Can find the curr	ent in a R-L circu	it.	
		10th	R	-C circuits			Can find the current in a R-C circuit.			
		11th	Т	he basics of R-L-	C circuit vector r	otation	Can find the current in a R-L-C circuit.			
	Jud	12th	Т	he basis of the v	ector notation I		Understand the meaning of the vector notation and express AC voltage with symbols.			
	Quarte	er 13th	В	asics of the vector	or notation II		Can calculate an AC circuit using the vector notation.			
		14th		npedance and ad	dmittance I		Can calculate im	pedance and adm	ittance.	
		15th	Ir	npedance and ad	dmittance II		Can calculate impedance and admittance of a complex circuit.			
			Fi	nal exam						
Evaluati	ion Me	ethod ar	d We	eight (%)						
		Examination		Presentation	Mutual Evaluations between students	Report	Portfolio	Other	Total	
Subtotal		80		0	0	20	0	0	100	
Basic Proficienc	ic ficiency 0			0	0	0	0	0	0	
Specialized Proficiency 80		80		0	0	20	0	0	100	
Cross Area Proficiency 0			0	0	0	0	0	0		

A	kashi Co	ollege		Year	2024		C	ourse Title	Electric Circuits II B
Course	Informa	tion							
Course Co	ode	6227				Course Catego	ry	Specialize	ed / Compulsory
Class For	nat	Lecture				Credits		Academi	c Credit: 2
Departme	ent	Electrica	al and	Computer E	ngineering	Student Grade		2nd	
Term		Second	Semes	ster		Classes per We	eek	2	
Textbook	and/or								
Instructor				shihiro					
Courso	Objectiv			5111110					
Evaluation	DDJECUV	C5 Understan	d and	can evolain	the relationship h	atween voltage	and cur	ront in re	esistance coils and canacitor
elements, Evaluation them in the Evaluation calculate Evaluation Evaluation	n point 1: n point 2: ne calculat n point 3: them. n point 4: n point 5:	Line it in the Understan ion of a sin Can explai Can explai Can explai	e calcu d and ne wav in the p in how in and	ilation of an can explain ve AC circuit principle and mutual indu calculate vol	electrical circuit. the instantaneous method of measu ictance circuits wo ltages and current	values, phaser, uring effective p ork, and calculat is (phase voltag	and co ower, r e circui e, line v	pomplex nu reactive po it voltages voltage, li	wher expressions, and can use ower, and power factor, and s, currents, etc. ne current) in three-phase AC.
Rubric	•	•			2				
			Ide	eal Level		Standard Level			Unacceptable Level
Achievem	ent 1		Un bet res ele app ele	derstand the tween voltac sistance, coil ments, and plied calcula ctrical circui	e relationship ge and current in s, and capacitor can use it in the tion of an t.	Understand the relationship between voltage and current in resistance, coils, and capacitor elements, and can use it in the calculation of an electrical circuit.			Do not understand the relationship between voltage and current in resistance, coils, and capacitor elements, and cannot use it in the calculation of an electrical circuit.
Achievem	Achievement 2			derstand an tantaneous d complex n pressions, ar the applied o e wave AC o	d can explain the values, phaser, umber nd can use them calculation of a circuit.	Understand and can explain the instantaneous values, phaser, and complex number expressions, and can use them in the calculation of a sine wave AC circuit.			 Do not understand and cannot explain the instantaneous values, phaser, and complex number expressions, and cannot use them in the calculation of a sine wave AC circuit.
Achievement 3			Car me pov pov pro	n explain the ethod of mea wer, reactive wer factor, a oblems.	e principle and asuring effective e power, and and solve	Can explain the principle and method of measuring effective power, reactive power, and power factor.			Cannot explain the principle and method of measuring effective power, reactive power, and power factor.
			Car cal cur ind	n perform ap culations of rrents, etc. in luctance circ	oplied voltages, n mutual uits, etc.	Can calculate voltages, currents, etc. in mutual inductance circuits, etc.			Cannot calculate voltages, currents, etc. in mutual inductance circuits, etc.
			Car cal cur vol pha	n perform aj culations of rents (phase tage, line cu ase AC.	oplied voltages and e voltage, line ırrent) in three-	Can calculate voltages and currents (phase voltage, line voltage, line current) in three- phase AC.			Cannot calculate voltages and currents (phase voltage, line voltage, line current) in three- phase AC.
Assiane	d Depar	tment O	biecti	ives		•			
Teachin	a Metho	d	<u>~j~~.</u>						
Outline	9 1 10010	The goa voltage, enginee student	als of th , current ering, a s learn	his course and imper and be able to them.	re to be able to executive to be able to executive to be able to executive the AC of the able to calculate them.	plain the meani sircuit theory, w The class also i	ng and hich is nvolves	application the basis practice	on of physical quantities such as of electrical and electronic problem exercises, etc. to help
Style		Explana	tions v	will be given	in line with the te	extbook. The clas	ss will b	be carried	out using slides and worksheets.
Notice This course's content will amount to 180 hours of study in total. These hours include learning time guaranteed in classes and the standard self-study time required for pre-study / review, and completing assignment reports. The overall evaluation will be based 80% on periodic exams, and 20% on report assignments including worksheets done during class. The reports will be mostly made up of the question the end of each chapter. The minimum score for a pass will be 60%. Students who miss 1/3 or more of classes will not be eligible for a passing grade.					rs include learning time dy / review, and completing kams, and 20% on report sstly made up of the questions at grade.				
Charact	eristics	of Class	/ Divi	sion in Le	arning				
☑ Active Learning				Aided by IC	T	☑ Applicable t	o Remo	ote Class	Instructor Professionally Experienced
									- p
Course	Plan		_				_		
			Them	ie			Goals		
		1st	Comp	lex power			Can ca	lculate co	omplex power.
		2nd	Vecto	or diagrams			Can dr	aw a vec	tor diagram.
2nd Semeste	3rd	3rd	Bridge	e circuits			Unders equilib	stand bric rium cono	lge circuits and can find ditions.
r	Quarter	4th	Mutua	al inductance	e circuits		Can w	rite the m s, and dra	neaning of mutual inductance aw an equivalent circuit.
		5th	Equiv	alent circuit	s of mutual induct	ance circuits I	Can ca of a m	lculate th utual indu	e current in an equivalent circuit uctance circuit.

		6th	Equivalent circuits	s of mutual induc	tance circuits II	Can calculate the of a mutual induc	e current in an eq ctance circuit.	uivalent circuit	
		7th	Occurrence of pol connections	yphase AC and S	tar and Delta	Can explain the c Star and Delta co	occurrence of poly	yphase AC, and	
		8th	Midterm exam						
		9th	Symbol notion an AC	d phase rotation	of polyphase	Can calculate the voltage and current in a polyphase AC.			
		10th	Phase voltage and	l line voltage of a	Y connection	Can calculate the voltage of a Y con	e phase voltage a nnection.	nd the line	
		11th	Phase current and	l line current of a	Δ connection	Can calculate the of a Δ connection	e phase current a n.	nd line current	
	4th Quarter 12th		Δ and Y connection	ons and Δ -Y conv	ersions	Can calculate Δ a conversions.	and Y connections	s and Δ -Y	
		13th	Polyphase AC elec	trical power		Can calculate polyphase AC electrical power.			
		14th	Non-sine waves a series	nd the basis of th	ne Fourier	Can describe the the Fourier series	meaning of non- 5.	sine waves and	
		15th	How to compute series expansion	Fourier coefficien	ts, and Fourier n wave	Can compute Fou Fourier series exp	urier coefficients, pansion of an odd	and perform function wave.	
		16th	Final exam						
Evaluati	ion Me	thod and	Weight (%)						
		Examination	Presentation	Mutual Evaluations between students	Report	Portfolio	Other	Total	
Subtotal	80		0	0	20	0	0	100	
Basic Proficienc	oficiency 0		0	0	0	0	0	0	
Specialize Proficienc	ed Zy	80	0	0	20	0	0	100	
Cross Are Proficienc	a Xy	0	0	0	0	0	0	0	

А	kashi Co	ollege	Year	2024		Cours	se e	Computer Programming II A		
Course	Informa	tion								
Course Co	ode	6228			Course Categor	γ Spe	cialize	d / Compulsory		
Class For	mat	Lecture			Credits	Aca	demic	Credit: 2		
Departme	ent	Electrical	and Computer E	ngineering	Student Grade	2nd				
Term		First Seme	ester		Classes per We	ek 2				
Textbook Teaching	and/or Materials									
Instructor	r	TSUCHIDA	A Takayuki							
Course	Objectiv	es								
[1] Under between [2] Under	rstand bas pointers a rstand the	ic syntax incl nd arrays, an concept of a	uding operators d can write prog library and write	in C, data type, a grams. e programs that u	nd function, and itilize libraries.	l structures	, poin	ters, and the relationship		
Rubric			Ideal Level		Standard Level			Unacceptable Level		
Achievem	ient 1		Understand the C language and advanced prog structures and	e basic syntax of I can write rams that utilize pointers.	Understand the C language and programs that and pointers.	e basic synt l can write utilize struc	ax of basic tures	of sic es that utilize structures and pointers.		
Achievem	1] Understand basic syntax ir petween pointers and arrays, a 2] Understand the concept of Rubric Achievement 1 Achievement 2 Achievement 3 Followin of the content of the co		Can explain the library and can programs that libraries.	e concept of a write advanced utilize many	Can explain the concept of a library and can write basic programs that utilize libraries.			Cannot explain the concept of a library and cannot write programs that utilize library.		
Achievement 2 Assigned Department Of Teaching Method Outline Outline Style In the fit question Style In the la explaine		tment Obj	ectives							
Teachin	ig Metho	d								
Achievement 2 Assigned Department Ob Teaching Method Outline Following of the co Outline In the firm of the lecture (database) Style In the firm of the last in order to in the last in order to in order to in the last in order to in order to in order to in order to in the last in order to in order to in the last in order to in order			the Programmin rse, students als es will be condu	g I, the course in so learn about the cted by a teacher	volves lectures a existing librarie who engaged ir	nd exercise s used in pr the resear	es of p rogran	rogramming in C. In the last half n development and how to use d development of middleware		
Style (database questions students in order t In the las explained			t half of the cour individually to e jive a lot of thou o know when pro half of the cour	rse, students will nhance their prog ght on how to sol ogram planning ar se, libraries, whic	understand the or ram developmen lve problems on nd description ch h are necessary	content of t nt skills. In paper and anges occu for writing	he tex this po make r. more	tbook and practice applied eriod, it is recommended that a habit of managing their history practical programs, will be		
Notice		Students r total. The for pre-stu Students	must have comp se hours include udy / review, an who miss 1/3 or	leted Programmir the learning time d completing assig more of classes v	ng I. This course guaranteed in c gnment reports. vill not be eligible	's content v lasses and All assignm e for a pass	vill an the st tents a ing gr	nount to 90 hours of study in andard self-study time required are required to be submitted. rade.		
Charact	eristics	of Class / I	Division in Le	arning						
☑ Active	Learning	·	☑ Aided by IC	T	Applicable to	o Remote C	lass	☑ Instructor Professionally Experienced		
Course	Plan									
			heme			Goals	tha	lass objectives. Can review		
		1st G	uidance, test			understand	l, and	explain the basic syntax.		
		2nd C	oncept and basi	cs of functions		Understand and can wr	the or	concept and basics of functions		
		3rd F	unction definition	n and calls		Understand write progr	func ams.	tion definitions and calls, and can		
	1st	4th F	unction designs			Understand write progr	d vario ams.	ous function designs and can		
	Quarter	5th E	xercise (1)			Can indepe questions t	ndent hat us	ly create programs in exercise se function.		
		6th B	asic type (1)			Understand programs.	the l	pasic types and can write		
1st Semeste		7th B	asic types (2)			Can indepe questions t	ndent hat us	ly create programs in exercise se basic types .		
r		8th M	lidterm exercise			Understand write progr	d the o ams.	content of Weeks 1-7, and can		
		9th F	unction-like mac	ros		Understand programs.	d func	tion-like macros and can write		
		10th E	numerations			Understand programs.	d enur	nerations and can write		
	2nd	11th T	ext I/O			Understand	the t	ext I/O and can write programs.		
	Quarter	12th S	trings (1)			Understand programs.	the l	basics of strings and can write		
		13th S	trings (2)			Understand and can wr	the a the a	arrays and operations of strings ograms.		
		14th S	trings (3)			Understand write progr	the or ams.	operations of strings and can		

		15th	Exercise (2)			Can independently create programs in exercise questions that use strings.				
		16th Final exam				Understand the content of Weeks 8-15 and can write programs.				
Evaluati	Evaluation Method and Weight (%)									
	E	kamination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total		
Subtotal	50)	0	0	0	50	0	100		
Basic Proficiency	y o		0	0	0	0	0	0		
Specialized Proficiency	d 50)	0	0	0	50	0	100		
Cross Area Proficiency	a 0		0	0	0	0	0	0		

A	kashi Co	ollege	Year	2024		Cours Title	e	Computer Programming II B
Course I	Informa	tion						
Course Co	ode	6229			Course Categor	y Spec	ialize	ed / Compulsory
Class Form	mat	Lecture			Credits	Acad	lemic	Credit: 2
Departme	nt	Electrical a	nd Computer E	ngineering	Student Grade	2nd		
Term		Second Se	mester		Classes per We	ek 2		
Akashi College Course Information Course Code 6229 Class Format Lecture Department Electric Term Second Textbook and/or Teaching Materials Instructor HIRANC Course Objectives [1] Understand basic syntax in between pointers and arrays, [2] Understand the concept o Rubric Achievement 1 Achievement 2 Assigned Department O Teaching Method Followir Outline Followir Style In the f question Student Notice Student								
Instructor		HIRANO M	asatsugu					
Course (Objectiv	es						
[1] Under between p [2] Under	stand basi pointers ar stand the	ic syntax inclund arrays, and concept of a	iding operators I can write proc ibrary and write	in C, data type, a grams. e programs that u	nd function, and tilize libraries.	structures,	poin	ters, and the relationship
Rubric			.					
			Ideal Level		Standard Level			Unacceptable Level
Achievem	ent 1		Understand the C language and advanced prog structures and	e basic syntax of d can write rams that utilize pointers.	Understand the C language and programs that and pointers.	basic synta l can write b utilize struct	ix of basic tures	cannot understand the basic syntax of C language and cannot write basic programs that utilize structures and pointers.
Achievem	ent 2		Can explain the library and can programs that libraries.	e concept of a write advanced utilize many	Can explain the library and can programs that	e concept of write basic utilize librar	a ies.	Cannot explain the concept of a library and cannot write programs that utilize library.
Assigned Department Ol Teaching Method Outline Followin of the co them. The lect (databa			ectives					
Teachin	<u>g Meth</u> o	d						
Outline		Following t of the cour them. The lecture	he Programmin se, students als es will be condu	I, the course in the course in the course in	volves lectures a existing libraries who engaged in	nd exercise s used in pro the researc	s of p ograr ch an	orogramming in C. In the last half n development and how to use d development of middleware
Style (database questions students in order t In the las explained			half of the coun ndividually to e ve a lot of thou know when pro half of the cour	rse, students will i nhance their prog ght on how to sol ogram planning ar se, libraries, whic	understand the c ram developmer ve problems on nd description ch h are necessary	content of the nt skills. In t paper and r anges occur for writing r	ne tex his p nake	ktbook and practice applied eriod, it is recommended that a habit of managing their history practical programs, will be
Notice		Students n total. Thes for pre-stu Students w	nust have comp e hours include dy / review, and ho miss 1/3 or	leted Programmin the learning time d completing assig more of classes v	ng I. This course guaranteed in c gnment reports. vill not be eligible	's content w lasses and t All assignm e for a passi	ill an he st ents ng gi	nount to 90 hours of study in andard self-study time required are required to be submitted. rade.
Charact	eristics (of Class / D	vivision in Le	arning				
☑ Active	Learning	/	☑ Aided by IC	T	☑ Applicable to	o Remote Cl	ass	☑ Instructor Professionally Experienced
					1			
Course !	Plan							
		Tł	eme			Goals		
		1st Pc	inters			Can explain	the	concept of pointers.
		2nd Po	inters			Understand	the	role of pointers and can write
		3rd St	rings and pointe	ers		Understand	the	relationship between strings and
	3rd	4th St	rings and pointe	ers		Can write p	rogra	ams for string operations using
	Quarter	5th St	ructures			pointers. Can explain	the	concept of structures.
		6th St	ructures			Can write s	imple	e programs using structures.
		7th St	ructures			Can write p	ractio	cal programs using structures.
2nd		8th Mi	dterm exercise			Understand	the	content of Weeks 1-7, and can
Semeste		9th Fil				<u>Write progra</u> Can explain	ams.	to process files in C
r		10th Fil				Can write n	roarz	ams for file I/O
		11th Life	oraries			Can explain	wha	t libraries are
		12th Lil	praries			Can write p	roara	ams using libraries.
	4th	13th Co	omprehensive e	xercise (1)		Can write p	rogra	ams that realize a given theme,
	Quarter	14th Co	mprehensive e	xercise (2)		Can write p	rogra whe	ams that realize a given theme,
		15th Co	mprehensive e	xercise (3)		Can write p	rogra	ams that realize a given theme,
		16th Ei	nal evam	<u> </u>		Understand	the the	content of Weeks 8-15 and can
Evaluati	on Moth		iaht (%)			write progra	ams.	

	Examination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total
Subtotal	50	0	0	0	50	0	100
Basic Proficiency	0	0	0	0	0	0	0
Specialized Proficiency	50	0	0	0	50	0	100
Cross Area Proficiency	0	0	0	0	0	0	0

A	kashi Co	ollege	Year	2024		C	Course Title	Electrical and Electronic Measurement A		
Course	Informa	tion								
Course Co	ode	6230			Course Catego	ry	Specialize	d / Compulsory		
Class Forr	nat	Lecture			Credits		School Cr	edit: 1		
Departme	ent	Electrical	and Computer E	ingineering	Student Grade		2nd			
Term		First Sen	nester		Classes per We	ek	2			
Textbook Teaching	and/or Materials	Shun Iwa	asaki: 「Denjiki K	eisoku」、Korona-	sha					
Instructor	-	HOSOKA	WA Atsuishi							
Course	Objectiv	es								
1) Unders 2) Unders	stand the ostand how	concept of n to measure	neasurement. DC voltage, cur	rent, power, and r	esistance.					
Rubric								I		
			Ideal Level		Standard Level			Unacceptable Level		
Achievem	ent 1		measurement giving specific	urement methods by specific examples.			ds.	ectrical and Electronic easurement A		
Achievement 2 Can explain DC voltage, current, power, and resistance measurements by giving specific examples. Understand how to measure DC voltage, current, power, and resistance voltage, current, power, and resistance. Do not fully understand measure DC voltage, current, power, and resistance power, and resistance. Assigned Department Objectives Teaching Method Outline The aim of this course is to understand the basic concepts of measuring operations and how to measure of the concepts of measuring operations and how to measure of the concepts of measuring operations and how to measure of the concepts of measuring operations and how to measure of the concepts of measuring operations and how to measure of the concepts of measuring operations and how to measure of the concepts of measuring operations and how to measure of the concepts of measuring operations and how to measure of the concepts of measuring operations and how to measure of the concepts of measuring operations and how to measure of the concepts of measuring operations and how to measure of the concepts of measuring operations and how to measure of the concepts of measuring operations and how to measure of the concepts of measuring operations and how to measure of the concepts of measuring operations and how to measure of the concepts of measuring operations and how to measure of the concepts of measuring operations and how to measure of the concepts of measuring operations and how to measure of the concepts of measuring operations and how to measure of the concepts of measure of the concepts of the concencepts of the concepts of the concepts of the concepts		Do not fully understand how to measure DC voltage, current, power, and resistance.								
Achievement 2 Achievement 2 Assigned Department Ob Teaching Method Outline The aim Electrica Style Classes a Classes a Style Students Notice Students Characteristics of Class /		jectives								
Assigned Department Ob Teaching Method Outline The aim electrical Style Classes a the text the conte Notice Students addition, in the se Students										
Achievement 1 Can explain different measurement methods giving specific examples giving specific examples. Achievement 2 Can explain DC voltage, current, power, and resime surements by giving specific examples. Assigned Department Objectives Can explain DC voltage, current, power, and resime surements by giving specific examples. Assigned Department Objectives The aim of this course is to underst electrical phenomena. Outline The aim of this course is to underst electrical phenomena. Style Classes are mainly conducted throw the textbook as needed for explana the content that will be on the examples addition, they should apply the con in the second semester of the second students who miss 1/4 or more of Students who miss 1/			to understand the	basic concepts o	of mea	suring ope	rations and how to measure basic			
Style	signed Department Objectives aching Method dine The aim of this course is to understand the electrical phenomena. le Classes are mainly conducted through not the textbook as needed for explanations. the content that will be on the exam. sice Students must have a good understandir addition, they should apply the contents in the second semester of the second year Students who miss 1/4 or more of classe aracteristics of Class / Division in Learning Active Learning Aided by ICT			cted through note or explanations. In n the exam.	-taking. There w the lesson befo	vill be h re eacl	handouts a h exam, th	nd references to the contents of ere will be an exercise (quiz) on		
Notice Students Students in the se Students			must have a go they should app cond semester o who miss 1/4 o	od understanding ly the contents of f the second year. r more of classes v	of Electrical Circu the class to Expo will not be eligibl	uits I a erimen <u>e for a</u>	nd II from ts of Electi grade eva	their first and second year. In rical and Computer Engineering I luation.		
Charact	eristics of	of Class /	Division in Le	arning						
Active	Learning		□ Aided by I	СТ	☑ Applicable t	o Rem	ote Class	 Instructor Professionally Experienced 		
Course	Plan	,								
			Theme			Goals				
		1st	Measurement an measurement an	d instrumentation, d indirect measure	, direct ement	Under types measu	stand the of measur urement ar	concept of measurement and the ement methods (direct nd indirect measurement).		
		2nd	Deflection metho	d and null method	ł	Under (defle	stand the ction meth	types of instrumentation methods od and null method).		
		3rd ⁻	Types of errors,	significant figures		Under the co	stand accu oncept of s	racy and error, and understand gnificant figures.		
	1st Quarter	4th I	Propagation of e	ror, units and sta	ndards	Can ca consic under and th (instru	alculate mo leration the stand the s ne relations uments) ar	easurement values taking into e propagation of error, and SI base units and derived units, ship between standards nd traceability.		
		5th	Analog indicating	instruments		Under indica	stand the ting instru	main configurations of analog ments.		
		6th	Moving-coil instrument	ument, electrodyn	amometer	Under instru electro	stand the ments (mo odynamom	operating principles of indicating wing-coil instrument and leter instrument).		
1st Semeste		7th I	Exercise on the c	ontent from week	s 1 to 6	Under first se	stand the emester.	content from weeks 1 to 6 of the		
r		8th I	Midterm exam			Under first se	stand the emester.	content from weeks 1 to 6 of the		
		9th s	Shunt, multiplier			Under currer multip currer instru	stand hown ots and vololier. Unden ot and volta ment.	to increase the rated values of tages using a shunt and rstand the measurement of age using an indicating		
	2nd Quarter	10th	Measurement of potentiometer	DC current and vo	oltage,	Under voltag under poten	stand the le using an stand the tiometer.	measurement of current and indicating instrument. Also, voltage measurement using a		
		11th	Indirect measure meter	ment of DC powe	r, DC power	Under power the op	stand the using the perating pr	indirect measurement of DC voltmeter-ammeter method and inciple of a power meter.		
		12th	Indirect measure Bridge	ment of resistance	e, Wheatstone	Under resista and th Wheat	stand the ance using ne measure tstone Bric	indirect measurement of the voltmeter-ammeter method ement of resistance using ge.		

		13th	Ohmmeter		Und	lerstand the operatin	g principles of ohmmeter.	
		14th	Low resistance measumeasurement of high	rement, high resistance resistance	Und and	lerstand the issues ir high resistance and	volved in measuring low how to resolve them.	
	15th Ex 16th Fir		Exercise on the conte	nt from weeks 9 to 14	Und first	Understand the content from weeks 9 to 14 of the first semester.		
			Final exam	Final exam			Understand the content from weeks 9 to 14 of the first semester.	
Evaluati	on Meth	od and	l Weight (%)					
		E	xamination	Exercise	Task		Total	
Subtotal		7	0	30	0		100	
Basic Prof	iciency	0		0	0		0	
Specialized Proficiency 7		0	30	0		100		
Cross Area Proficiency C			0	0		0		

A	kashi Co	ollege	Year	2024		Cou Tit	irse le	Electrical and Electronic Measurement B
Course	Information	tion						
Course Co	ode	6231			Course Catego	ry Sp	pecialize	d / Compulsory
Class Forr	nat	Lecture			Credits	Sc	hool Cr	edit: 1
Departme	ent	Electrica	and Computer E	ngineering	Student Grade	2n	nd	
Term		Second S	Semester		Classes per We	eek 2		
Textbook Teaching	and/or Materials							
Instructor	•	HOSOKA	WA Atsuishi					
Course	Objectiv	es						
1) Unders 2)Unders 3) Unders	stand how tand how t stand digita	to measure to observe a al instrume	e AC voltage, curre a waveform using nts, sensors, and	ent, power, and ir an oscilloscope. data processing.	mpedance.			
Rubric			1		1			1
			Ideal Level		Standard Level			Unacceptable Level
Achievem	ent 1		Can explain AC power, and imp measurements specific examp	voltage, current, bedance by giving es.	Understand ho voltage, currer impedance.	w to meas it, power,	sure AC and	Do not fully understand how to measure AC voltage, current, power, and impedance.
Akashi College Course Information Course Code 6231 Class Format Lecture Department Electrical and O Term Second Semesi Textbook and/or Teaching Materials Instructor HOSOKAWA Att Course Objectives 1) Understand how to measure AC vol 1) Understand how to observe a wave 3) Understand digital instruments, set Rubric Idea Achievement 1 Gam Achievement 2 Can Achievement 3 Can Achievement 3 Can Style Classes are ma the content tha sen givi Assigned Department Objectiv Teaching Method Classes are ma Outline The aim of this electrical phene Style Classes are ma the textbook as the content tha Motice Students must addition, they se In the second se Students who the second se Students who the second se Students who the second se Active Learning Interemeter Intermedinguart		Can explain wa observation usi oscilloscope by examples.	veform ng an giving specific	Understand ho waveform usin	w to obse g an oscill	rve a loscope.	Do not fully understand how to observe a waveform using an oscilloscope well.	
1) Understand how to measure 2)Understand how to observe 3) Understand digital instrume Rubric Achievement 1 Achievement 2 Achievement 3 Assigned Department Ol Teaching Method Outline The aim electrica Style Classes the text the cont Student: Student: Achievement S Student: Characteristics of Class / Active Learning Course Plan 1st		Can explain dig sensors, and d giving specific	ital instruments, ata processing by examples.	Understand digital instrumentation, sensors, and data processing		s, and	Do not fully understand digital instruments, sensors, and data processing.	
Achievement 2 Can explain waveform observation using an oscilloscope by giving specific examples. Achievement 3 Can explain digital instruments, sensors, and data processing by giving specific examples. Assigned Department Objectives Teaching Method Outline The aim of this course is to understand the electrical phenomena. Style Classes are mainly conducted through note the textbook as needed for explanations. In the content that will be on the exam. Notice Students must have a good understanding addition, they should apply the contents of in the second semester of the second year. Students who miss 1/4 or more of classes of Characteristics of Class / Division in Learning Active Learning Aided by ICT								
Achievement 2 oscilloscope by gīving specific examples. waveform using an oscilloscope. Observe a waveform using oscilloscope well. Achievement 3 Can explain digital instruments, sensors, and data processing by giving specific examples. Understand digital instrumentation, sensors, and data processing Do not fully understand dig instruments, sensors, and processing. Assigned Department Objectives Teaching Method Do utline Do not fully understand the instruments, sensors, and giving specific examples. Outline The aim of this course is to understand the basic concepts of measuring operations and how to measure electrical phenomena. Style Classes are mainly conducted through note-taking. There will be handouts and references to the content the textbook as needed for explanations. In the lesson before each exam, there will be an exercise (quiz) the content that will be on the exam. Notice Students must have a good understanding of Electrical Circuits I and II from their first and second year. addition, they should apply the contents of the class to Experiments of Electrical and Computer Engineeri in the second semester of the second year. Students who miss 1/4 or more of classes will not be eligible for a grade evaluation. Characteristics of Class / Division in Learning Applicable to Remote Class Instructor Professionally Experienced								
Outline	_	The aim	of this course is t	o understand the	basic concepts o	of measuri	ing opei	rations and how to measure basic
Style Classes a the textb			are mainly conduct book as needed fo ent that will be on	ted through note- r explanations. In the exam.	-taking. There w the lesson befo	vill be hand re each ex	douts ar xam, th	nd references to the contents of ere will be an exercise (quiz) on
Notice Students Students addition, in the set Students			must have a goo they should appl cond semester of who miss 1/4 or	d understanding of y the contents of t the second year. more of classes y	of Electrical Circ the class to Exp vill not be eligibl	uits I and eriments o e for a gra	II from of Electr ade eva	their first and second year. In ical and Computer Engineering I luation.
Charact	eristics o	of Class /	Division in Le	arning				
Active	Learning		□ Aided by IC	T	☑ Applicable t	o Remote	Class	Instructor Professionally Experienced
Course	Plan					1		
			Theme			Goals		
		1st	AC voltage, curre voltage and curre	nt, power, measu nt	rement of AC	Understa difference	nd the r e betwe	measurand in AC, and the en AC and DC measurements.
		2nd	Rectifier instrume voltmeter	nt, peak respondi	ng electronic	Understa instrumer respondir	nd the o nts (rec ng elect	pperating principles of indicating tifier instrument and peak ronic voltmeter).
		3rd	Thermocouple ins instruments	truments, moving	g-iron	Understa indicating and movi	nd the o instrur ing iron	pperating principles of the nents (thermocouple instrument instrument).
	3rd Quarter	4th	Electrodynamome electrodynamome meters	eter instruments, and induction	AC on type energy	Understa Can expla measurin power fac	nd the p ain the p og effect ctor.	principles of measuring energy. principles and methods of ive power, reactive power, and
2nd		5th	Resistors, coils, a impedance	nd capacitors, me	asurement of	Understa coils, and impedanc	nd an e l capacit ce.	quivalent circuit of resistors, tors, and how to measure
Semeste		6th	AC bridges			Understa an AC bri	nd the r idge.	measurement of impedance using
		7th	Exercise on the co	ontent from weeks	s 16 to 21	Understa second se	nd the o emester	content from weeks 1 to 6 of the
		8th	Midterm exam			Understa second se	nd the o emester	content from weeks 1 to 6 of the
		9th	The operating pri	nciple of the oscill	oscope	Understa oscillosco	nd the ope.	operating principles of the
		10th	Waveform observ	ations using an os	scilloscope	Understa oscillosco	nd wave	eform observation using an
	4th Quartor	11th	A/D conversion			Understa	nd the r	principles of A/D conversion.
		12th	Digital instrument	S		Understa instrume	nd the onts.	operating principles of digital
		13th	Sensors			Understa operating	nd the o princip	concept of sensors and the les of various sensors.

		14th	Data processing		Understand how to pro	cess data.		
	15th		Exercise on the conter	nt from weeks 24 to 30	Understand the content second semester.	Understand the content from weeks 9 to 14 of the second semester.		
		16th	Final exam		Understand the content from weeks second semester.			
Evaluat	ion Meth	od and	Weight (%)					
		E>	amination	Exercise	Task	Total		
Subtotal		70)	15	15	100		
Basic Prof	ficiency	0		0	0	0		
Specialize	d Proficien	icy 70)	15	15	100		
Cross Area Proficiency		cy 0		0	0	0		

L	i Coll	ege	Year	2024		Course Title Microcomputer		r	
Course Infor	matio	on							
Course Code		6232			Course Catego	ry	Specialize	d / Compulsory	
Class Format		Lecture			Credits		Academic	Credit: 2	
Department		Electrical a	nd Computer Er	ngineering	Student Grade		2nd		
Term		First Seme	ster		Classes per We	ek	2		
Textbook and/ Teaching Mater	or ials	Keitaro HC	RI, Illustrated P	IC Microcompute	r Practice 2nd E	dition, I	Morikita Pu	blishing Co., Ltd.	
Instructor		NOMURA I	layato						
Course Obje	ctives	5							
(1) Understand (2) Understand (3) Can create	the co the ba a conti	onfiguration asics of the rol program	and operating p assembler langu using assemble	principles of comp uage and can perf er language.	outers. Form basic progr	rammin	g.		
Rubric					1			1	
			Ideal Level		Standard Level			Unacceptable Le	evel
Achievement 1			Fully understan configuration an principles of con	d the nd operating mputers.	Understand the and operating p computers.	e config principle	uration es of	Do not understa configuration an principles of con	nd the d operating nputers.
Achievement 2			Fully understan assembler lang fully perform ba programming.	d the basics of uage and can asic	Understand the assembler lang perform basic p	principles of computers. Do not understand the basics programming. perform basic programming control program control program control program Cannot create a control program using assembler language. cure and learn assembler programming techniq		nd the basics of lage and cannot rogramming.	
Achievement 3			Can create an e program using language.	efficient control assembler	Can create a co using assemble	e basics of guage and can programming. Ontrol program er language. Cannot create a control program using assembler language. Cannot create a control program using assembler language a control program using assembler language a control program using		control assembler	
Assigned De	partn	nent Obi	ectives						
Teaching Me	thod	3	tudents will understand the basics of computer architecture and learn assembler programming techniq sing microcomputers. The class will be taught by explaining basic matters in accordance with the textbook. Programming usin ssembler language will involve exercises using actual devices in addition to lectures. This course's content will amount to 90 hours of study in total. These hours include the learning time uaranteed in classes and the standard self-study time required for pre-study / review, and completing ssignment reports.						
Outline		Students v using micr	vill understand t ocomputers.	he basics of comp	outer architectur	e and l	earn asser	nbler programmir	ng techniques
Style		The class assembler	will be taught by language will in	vexplaining basic	matters in accor sing actual device	rdance ces in a	with the te ddition to	extbook. Program lectures.	ming using
Notice		This cours guarantee assignmer Students y	e's content will a d in classes and t reports. yho miss 1/3 or	amount to 90 hou the standard self- more of classes w	rs of study in to study time requ	tal. The uired fo e for a	ese hours i r pre-study passing gr	nclude the learnin y / review, and co ade	ng time ompleting
Characterist	ics of	Class / [)ivision in Lea	arnina		0.0. 0	passing gi		
☑ Active Learr	ning		☑ Aided by IC	Γ	Applicable t	o Remo	ote Class	☑ Instructor Pro Experienced	ofessionally
Course Plan									
		TI	neme			Goals			
	1	st M	icrocomputer ba	sics		Can ex	plain micr	ocomputer basics	•
	2	nd H	ow to do radix c	onversions		Can ex	plain how	to do a radix con	version.
	3	rd Tl	ne basics of logic	al operations		Can ex	plain the t	pasics of logical o	perations.
	4	th H	ardware configu	ration of a PIC mi	crocomputer	Can ex microc	plain the long	nardware configur	ration of a PIC
Quar	ter 5	th A	ssembler langua	ge basics, flowcha	art basics	Can ex flowch	plain the a art basics.	assembler langua	ge basics and
	6	th As	ssembler progra eate a program)	mming exercise 1	(how to	Can ex assem	plain how bler langua	to create a progr age.	am using the
	7	th H	ow to create a ti	mer program		Can ex	plain how	to create a timer	program.
1st	8	th M	idterm exam						
Semeste	9	th B	ehaviors of subro	outines		Can ex	plain the b	pehaviors of subro	outines.
	1	Oth As	sembler progra	mming exercise 2	(I/O control)	Can cr	eate I/O c	ontrol programs.	
	1	1th As	ssembler progra ogram basics)	mming exercise 3	(timer	Can cr	eate a tim	er program.	
	1	2th Pi	llse motor basic	S		Can ex	plain the p	oulse motor basic	s.
2nd Quar	ter 1	3th As	sembler progra ner programs)	mming exercise 4	(application of	Can cr	eate an ap	plied timer progra	am.
14th As		sembler progra	mming exercise 5	(pulse	Can cr	eate a puls	se motor.		
15th Assembler programming exercise program)		mming exercise 6	(advanced	Can cr	eate an ad	vanced program.			
16th No final exam									
Evaluation №	1etho	d and We	eight (%)						
			Procontation	Mutual Evaluations	Debeview	Deute		Eveniese	-
	Exam	lination	Fresentation	between	Benavior	Portro	DIIO	Exercises	lotal

Basic Proficiency	10	0	0	0	0	10	20
Specialized Proficiency	40	0	0	0	0	40	80
Cross Area Proficiency	0	0	0	0	0	0	0

Akashi College		Year	2024		Course Title	Experiments of Electrical and Computer Engineering I			
Course Information Course Code 6233 Course Category Specialized / Compulsory									
Course Co	ode	6233			Course Categor	y Specialize	d / Compulsory		
Class For	mat	Experime	Experiment			School Cr	edit: 2		
Departme	ent	Electrical	Electrical and Computer Engineering			2nd			
Term		Second S	I Semester Classes per Week 4 ute materials in class						
Teaching Materials Distribute materials in class Instructor KAIIMURA Yoshibiro SUYAMA Taikei HOSOKAWA Atsuishi									
Instructor	r oli i i	KAJIMUR	A YOSNINITO, SUY	AMA Taikei, HUSUK	KAWA Atsuishi,				
Evaluation Evaluation Evaluation team men	Objectiv n point 1: n point 2: n point 3: mbers.	'ES Can explain Can write ai Can use the	how to handle t n experiment rep necessary instru	he necessary instr port. uments for an expe	uments for learn eriment safely, a	ing electrical info	prmation engineering. Apperiment in cooperation with		
Rubric							1		
			Ideal Level		Standard Level		Unacceptable Level		
Achievement 1			Can explain ho necessary inst learning electr engineering, a experiment.	w to handle the ruments for ical information nd examine an	Can explain how necessary instri- learning electric engineering.	w to handle the uments for cal information	Cannot explain how to handle the necessary instruments for learning electrical information engineering.		
Achievem	ient 2		Can write an e with sufficient	experiment report information.	Can write an ex	periment report.	Cannot write an experiment report.		
Achievem	Achievement 3		Can use the necessary instruments for an experiment safely, and actively conduct an experiment in cooperation with team members.		Can use the necessary instruments for an experiment safely, and conduct an experiment in cooperation with the team members.		Cannot use the necessary instruments for an experiment safely, and conduct an experiment in cooperation with team members.		
Assiane	d Depar	tment Ob	iectives		•				
Teachin	a Metho	d							
Outline The aim of this course is to learn how to handle the necessary instruments for learning electrical informat students will form groups of three to five people to conduct experiments on each theme. Suyama will tea matters related to measuring equipment, Akiyama matters related to electrical circuits, Kajimura sequence and Hosphawa DC bridges							or learning electrical information t experiment themes, and each theme. Suyama will teach cal circuits, Kajimura sequencing,		
Style Studer provide write u it until		Students provided write up it until th	s will form groups of three to five people to conduct experiments on each theme. The themes are d in Contents and Method of Course. After completing experiments on each theme, students must a report on the experiment and submit it the instructor teaching that theme. They will have to revise they pass. This will help students learn the basics of writing up a report.						
Notice Students based on for evalua passing g experime Students			will not be graded unless they have participated in all experiments. The overall evaluations will be the report submission and content (80%), and attitude toward the experiments (20%). The n score for a pass will be 60%. As this is an experiment course, submitting all reports is a prerequisite lations. In addition, if all reports have not been received by the due date, students will not receive a grade. Students must clean the lab and put away the equipment. Precautions regarding the ents will be given during the first week. s will not be graded unless they have participated in all experiments.						
Charact	eristics	of Class /	Division in Le	arning		•			
☑ Active	 ☑ Active Learning 		Aided by I	CT	☑ Applicable to	o Remote Class	Instructor Professionally Experienced		
Course	Plan								
			Theme			Goals			
2nd Semeste r	3rd Quarter	1st F	Experiment guid	ance		Understand the outline of experiments and ho write up a report.			
		2nd I	mpedance meas	surement		Impedance measurement experiment: create a circuit, conduct a lab, and write up a report.			
		3rd F	Potentiometer			Potentiometer experiment: create a circuit, conduct a lab, and write up a report.			
		4th F	Report organizat	ion		experiments.			
		5th F	all-of-potential method			create a circuit, conduct a lab, and write up a report.			
		6th I	Report organizat	ion		Can write up a report on engineering experiments.			
		7th (Operational Amp	lifier		Operational Amplifier experiment: create a OP Amp circuit, confirm the Slew Rate, and write up a report on the day.			
		8th I	DC bridges			A DC bridge experiment: create a circuit, conduct a lab, and write up a report.			
	4th Quarter	9th I	9th Report organization			Can write up a report on engineering experiments.			

			10th	Relay sequence control 1				Cono swite repo	Conduct a sequence control experiment using switches, motors, and relays, and write up a report.			
11th Re 12th Di 13th Re		Relay sequence control 2				Cont expe moto	Continuing from the previous week, conduct an experiment of sequence control using switches, motors, and relays, and write up a report.					
		Digital oscilloscope and digital multimeter				A dig expe write	A digital oscilloscope and digital multimeter experiment: create a circuit, conduct a lab, and write up a report.					
		Report orga	eport organization				Can write up a report on engineering experiments.					
14th As		Assembling a computer			A co circu	A computer assembling experiment: create a circuit, conduct a lab, and write up a report.						
15th Su		Summary of	Summary of engineering experiments			Can expe	Can write up a report on engineering experiments.					
16th N		lo final exam										
Evaluation Method and Weight (%)												
		Report		Initiative	5	Mutual Evaluations between students	Behavior	Por	rtfolio	Other	Total	
Subtotal	ubtotal 80		20		0	0	0		0	100		
Basic Proficiency	У	0		0		0	0	0		0	0	
Specialize Proficiency	d y	80		20		0	0	0		0	100	
Cross Area Proficiency 0		0		0	0	0		0	0			