Ak	ash	i College		Electr	ical an eering	d Computer Year 2022	Year 2022			
De	par	tment Goals								
Cou e Cat ory	eg	Course Title	Cours e Code	Credit Type	Credit s	Class Hours per Week 1st Year 2nd Year 3rd Year 4th Year 5th Year 1st 2nd 1st 2nd 1st 2nd 1st 2nd 1 2 3 4 1 2	Instru ctor	Divisio n in Learni ng		
Ge ne ral	Co m pu lso ry	Japanese I	4101	School Credit	2	2 2	ZENT OH Masas hi			
Ge ne ral	Co m pu lso ry	History	4102	School Credit	2	2 2	ARAK AWA Hirono ri			
Ge ne ral	Co m pu iso ry	Mathematics I A	4103	School Credit	4	4 4	TAKAT A Isao			
Ge ne ral	Co m pu lso ry	Mathematics I B	4104	School Credit	2		OMOD A Yasuhi ro			
Ge ne ral	Co m pu lso ry	Science I	4105	School Credit	2	2 2	TAKEU CHI Masah iro			
Ge ne ral	Co m pu Iso ry	Physical Education I	4106	School Credit	2	2 2	GOTO H Takay uki,IS HIDA Masa mi,KO BAYAS HI Yuki			
Ge ne ral	Co m pu lso ry	English I A	4107	School Credit	2	2 2	AKIMO TO Hiromi			
Ge ne ral	Co m pu lso ry	English I B	4108	School Credit	2	2 2	INOUE Hideto shi			
Ge ne ral	Co m pu lso ry	Introduction to Active Learning	4109	School Credit	1	2	TAKED A Naho, HIRAN O Masat sugu, ARAKI Yuki,A NDO Yuta			
Ge ne ral	Co m pu lso ry	Introduction to Data Science	4110	School Credit	1	2	TSUC HIDA Takay uki,NO MURA Hayat o			
Ge ne ral	Co m pu lso ry	Exercise in Data Science	4111	School Credit	1		TSUC HIDA Takay uki,NO MURA Hayat o,ENO MOTO Ryuji			
Ge ne ral	El ec tiv e	Music	4112	School Credit	2	2 2	IZUMI Yuka			

Ge ne ral	El ec tiv e	Art	4113	School Credit	2	2 2	OHNO Ryohei
Ge ne ral	Co m pu lso ry	Japanese I	4119	School Credit	5	6 4	KUBO TA Ikumi
Ge ne ral	Co m pu iso ry	Japanese Culture and Society	4120	School Credit	1	2	KUBO TA Ikumi
Sp eci ali ze d	Co m pu lso ry	Literacy for Disaster Risk Reduction	4114	School Credit	1		NABES HIMA Yasuy uki,M OTOZ UKA Tomok i,,,,,
Sp eci ali ze d	Co m pu iso ry	Electric Circuits I	4115	Acade mic Credit	2		OHMU KAI Masat o
Sp eci ali ze d	Co m pu lso ry	Computer Programming I	4116	Acade mic Credit	2		ENOM OTO Ryuji
Sp eci ali ze d	Co m pu lso ry	Computer Literacy	4117	School Credit	2	2 2	NAKAI Yuichi
Sp eci ali ze d	Co m pu iso ry	Fundamental Experiments of Electrical & Computer Engineering	4118	School Credit	1	2	KAJIM URA Yoshih iro,HI ROTA Atsush
Sp eci ali ze d	Co m pu iso ry	Fundamentals of Engineering	4121	School Credit	1		KUBO TA Ikumi
Ge ne ral	Co m	Japanese II-1	5201	School Credit	1		ZENT OH Masas hi
Ge ne ral	Co m	Japanese II-2	5202	School Credit	1		ZENT OH Masas hi
ne	Co m pu so ry	Introduction to Global Studies	5203	School Credit	1		Lukmi naite- Anand Simon a
Ge ne ral	Co m	Public	5204	School Credit	1		KURO KUI Yoshi mi
Ge ne ral	Co m pu	Mathematics II A-1	5205	School Credit	2		NAGA O Hidehi to
ne	Co m	Mathematics II A-2	5206	School Credit	2		NAGA O Hidehi to
Ge ne ral	Co m	Mathematics II B-1	5207	School Credit	1		

Ge ne ral	Co m pu lso	Mathematics II B-2	5208	School Credit	1	
-	ry Co					
Ge ne ral	m pu lso ry	Science II A-1	5209	School Credit	1	TAKEU CHI Masah iro
Ge ne ral	Co m pu lso ry	Science II A-2	5210	School Credit	1	TAKEU CHI Masah iro
Ge ne ral	Co m pu lso ry	Science II B-1	5211	School Credit	1	SAKU RAI Yasuhi ro
Ge ne ral	Co m pu lso ry	Science II B-2	5212	School Credit	1	SAKU RAI Yasuhi ro
Ge ne ral	Co m pu Iso ry	Physical Education II- 1	5213	School Credit	1	ISHID A Masa mi,KO BAYAS HI Yuki
Ge ne ral	Co m pu lso ry	Physical Education II- 2	5214	School Credit	1	GOTO H Takay uki,IS HIDA Masa mi
Ge ne ral	Co m pu lso ry	English II A-1	5215	School Credit	1	HERBE RT John C.
Ge ne ral	Co m pu Iso ry	English II A-2	5216	School Credit	1	INOUE Hideto shi
Ge ne ral	Co m pu lso ry	English II B-1	5217	School Credit	1	INOUE Hideto shi
Ge ne ral	Co m pu lso ry	English II B-2	5218	School Credit	1	INOUE Hideto shi
ne	Co m pu lso ry	Co+work I A	5219	School Credit	1	All faculty
Ge ne ral	Co m pu lso ry	Co+work I B	5220	School Credit	1	All faculty
Ge ne ral	El ec tiv e	ICT資格I	5221	School Credit	1	TAKEU CHI Masah iro
Ge ne ral	El ec tiv e	数学資格 I	5222	School Credit	1	NAGA O Hidehi to
Ge ne ral	Co m pu lso ry	Japanese II-1	5223	School Credit	2	KUBO TA Ikumi
ne	Co m pu lso ry	Japanese II-2	5224	School Credit	1	KUBO TA Ikumi

Ge ne ral	Co m pu lso ry	日本語総合演習 I	5225	School Credit	1	KUBO TA Ikumi
Sp eci ali ze d	Co m pu lso ry	Electric Circuits II A	5226	Acade mic Credit	2	KAJIM URA Yoshih iro
Sp eci ali ze d	Co m pu lso ry	Electric Circuits II B	5227	Acade mic Credit	2	KAJIM URA Yoshih iro
Sp eci ali ze d	Co m pu lso ry	Computer Programming II A	5228	Acade mic Credit	2	TSUC HIDA Takay uki
Sp eci ali ze d	Co m pu lso ry	Computer Programming II B	5229	Acade mic Credit	2	HIRAN O Masat sugu
Sp eci ali ze d	pu	Electrical and Electronic Measurement A	5230	School Credit	1	HOSO KAWA Atsuis hi
Sp eci ali ze d	pu	Electrical and Electronic Measurement B	5231	School Credit	1	HOSO KAWA Atsuis hi
Sp eci ali ze d	Co m pu lso ry	Microcomputer	5232	Acade mic Credit	2	
Sp eci ali ze d	Co m pu Iso ry	Experiments of Electrical and Computer Engineering I	5233	School Credit	2	KAJIM URA Yoshih iro,SU YAMA Taikei, HOSO KAWA Atsuis hoTO MOTO Ryuji,
Ge ne ral	Co m pu lso ry	Japanese III -1	6301	School Credit	1	TANG E Atsuko
Ge ne ral	Co m pu lso ry	Japanese III -2	6302	School Credit	1	
Ge ne ral	Co m pu lso ry	Political Science-1	6303	School Credit	1	
Ge ne ral	Co m pu lso ry	Political Science-2	6304	School Credit	1	
Ge ne ral	Co m pu lso ry	Mathematics Ⅲ A-1	6305	Acade mic Credit	2	MATS UMIYA Atusi
Ge ne ral	Co m pu Iso ry	Mathematics Ⅲ A-2	6306	Acade mic Credit	2	MATS UMIYA Atusi
Ge ne ral	Co m pu lso ry	Mathematics Ⅲ B	6307	Acade mic Credit	2	

Ge ne ral	Co m pu lso ry	Basic Mechanics	6308	Acade mic Credit	2	OGAS AWAR A Hiromi chi
Ge ne ral	Co m pu iso ry	Science III -1	6309	School Credit	1	SAKU RAI Yasuhi ro
Ge ne ral	Co m pu lso ry	Science III -2	6310	School Credit	1	SAKU RAI Yasuhi ro
Ge ne ral	Co m pu Iso ry	Physical Education III- 1	6311	School Credit	1	GOTO H Takay uki,IS HIDA Masa mi
Ge ne ral	Co m pu Iso ry	Physical Education III- 2	6312	School Credit	1	ISHID A Masa mi,MA EDA Tadan ori
Ge ne ral	Co m pu lso ry	English Ⅲ-1	6313	School Credit	1	MORI MOTO Nana
Ge ne ral	Co m pu lso ry	English Ⅲ-2	6314	School Credit	1	MORI MOTO Nana
Ge ne ral	Co m pu lso ry	English Conversation I-1	6315	School Credit	1	HERBE RT John C.
Ge ne ral	Со	English Conversation I-2	6316	School Credit	1	HERBE RT John C.
Ge ne ral	Со	Co+work II A	6317	School Credit	1	All faculty
Ge ne ral	Co m pu lso ry	Co+workIB	6318	School Credit	1	All faculty
Ge ne ral	El ec tiv e	ICT Qualification II	6319	School Credit	1	TAKEU CHI Masah iro
Ge ne ral	El ec tiv e	Mathematics Certification II	6320	School Credit	1	OMOD A Yasuhi ro
Ge ne ral	El ec tiv e	Overseas Training I	6321	School Credit	1	All faculty of the depart ment
Ge ne ral	Co m pu lso ry	Japanese Ⅲ-1	6322	School Credit	2	KUBO TA Ikumi
Ge ne ral	Co m	Japanese Ⅲ-2	6323	School Credit	1	KUBO TA Ikumi
ne	Co m pu lso ry	Japanese Practice II	6324	School Credit	1	KUBO TA Ikumi

Sp eci ali ze d	Compusory	Electromagnetics I	6325	Acade mic Credit	2	OHMU KAI Masat o
Sp eci ali ze d	Co m pu so ry	Circuit Theory A	6326	School Credit	1	HOSO KAWA Atsuis hi
Sp eci ali ze d	Co m pu so ry	Circuit Theory B	6327	School Credit	1	SUYA MA Taikei
Sp eci ali ze d	Compusory	Introduction to Electrical Engineering	6328	Acade mic Credit	2	HIROT A Atsush i
Sp eci ali ze d	Co m pu so ry	Introduction to Computer Engineering	6329	Acade mic Credit	2	TSUC HIDA Takay uki
Sp eci ali ze d	Co m pu lso ry	Digital Circuits A	6330	School Credit	1	HOSO KAWA Atsuis hi
Sp eci ali ze d	Co m pu so ry	Digital Circuits B	6331	School Credit	1	OHMU KAI Masat o
Sp eci ali ze d	Co m pu lso ry	Experiments of Electrical and Computer Engineering II A	6332	School Credit	2	SUYA MA Taikei, HOSO KAWA Atsuis hi,HIR OTA Atsush i,
Sp eci ali ze d	Co m pu lso ry	Experiments of Electrical and Computer Engineering II B	6333	School Credit	2	SUYA MA Taikei, HIROT A Atsush i,

А	kashi Co	llege	Year	2022			urse ïtle	Japanese I		
Course	Informat	ion	•			•				
Course Co		4101			Course Categor	ry (General /	' Compulsory		
Class Forr	mat	Lecture			Credits	9	School C	redit: 2		
Departme	nt	Electrica	and Computer E	ngineering	Student Grade		1st			
Term		Year-rou	nd		Classes per We	ek 2	2			
Textbook Teaching		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	3国語便覧	〕(第一学習社)		
Instructor	•	ZENTOH	Masashi							
	Objective									
1)論理的な 2)文学的な 3)整理した	文章(論説 文章(小説 情報をもと	や評論)の や随筆)に に、主張が	構成や展開を的確(描かれた人物やもの 効果的に伝わるよ	ことらえ、要約でき かの見方を表現に即 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	分の意見 を行った	lを述べる り、文章	ことができる。 を作成することができる。		
Rubric			理想的な到達レ	ベルの日安	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			-	明でき、大意を捉	構成が説明でき、			要旨は分かるが、構成を捉えられない。		
 評価項目2				<u>る。</u> 題を捉え、批判的	登場人物の整理が	ができ、	主題が捉	人物造型の違いは把握できるが、 主題が捉えられない。		
			明確な意見・結	ニーニーニーニーニーニー 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。	れを表す	段落構成	注版が近くられない。 結論・意見を設け、段落分けできるが論理性・実証性に乏しい。		
Assigne	d Depart	ment Ob		w 以間(CCの。	1 CILW CC 200					
Teachin	g Metho	d								
Outline		小説や評 を獲得す		様々な文章を読むる	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		
				宜に小テストを行い、						
Notice 国語は理科 合格の対象			科系科目も含めす/ 象としない欠席条件	べての教科の基礎でで ‡(割合) 1/3以上の						
合格の対象 Characteristics of Class /			Division in Le							
☐ Active	Learning	,	☐ Aided by IO	T	☑ Applicable to	o Remot	e Class	☐ Instructor Professionally Experienced		
			•		•					
Course	Plan									
			Theme			Goals				
				「マルジャーナの智	恵」の読解	一年間の)目標を立	 てることができる		
		2nd	「マルジャーナの	当恵」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		
		3rd	「マルジャーナの	智恵」の読解		内容を理る	で、自分の意見を述べることができ			
		4th	「羅生門」の読解			表現に即	を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。		りして登場	人物の人物像を読み取ることができ		
		6th	「羅生門」の読解			登場人物たちを読み取るこ		のやり取りを適切に理解し、物語の展開 とができる		
1st		7th	「羅生門」の読解			主題を理ができる	品に対する自分の意見を述べること			
Semeste		8th	「羅生門」の読解			作品の特	持徴を文学	史的位置を含めて理解できる		
Γ		9th	「伊勢物語」の読	解		文学史の 解できる		2解できる。適切に音読し、文意を理		
		10th	「伊勢物語」の読	解		適切に解	解釈し、教	対書の設問に答えるることができる		
	2nd	11th	「宇治拾遺物語」(の読解		文学史の 解できる		2解できる。適切に音読し、文意を理		
	Quarter	12th	「宇治拾遺物語」(の読解		適切に解	解釈し、教	対書の設問に答えるることができる		
		13th	「美意識は資源でる	ある」の読解		適切に音	読でき、	本文の構成と展開を説明できる		
		14th	「美意識は資源で					批判的意見をあげることができる		
		15th	「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		
		16th	期末試験							
		1st	「働くことの意味」	の読解 		理解する	ることがで			
		2nd	「働くことの意味」	の読解		ることか	バできる	論理的展開と論証を理解し、説明す 		
2nd Semeste	3rd	3rd	「働くことの意味」	の読解		ることか	バできる	論理的展開と論証を理解し、説明す		
r	Quarter	4th	「平家物語」の読	解		様式が理	上解できる			
		5th	「平家物語」の読	军		様式が理	て学史上の評価、古文の文法について理解し、作品の 美式が理解できる			
		6th	「平家物語」の読	7		人物造型 できる	人物造型を把握し、作者の主題意識を理解すること できる			

		7th	「平家物語」の読解	#		読み本系・語り本意解することができ	 系の違いを念頭に、 る	場面の特徴を理	
		8th	「平家物語」の読解	# #		史的位置をとらえ. とができる	、作品評価としての	の意見をあげるこ	
		9th	「世界中がハンバー	-ガー」の読解		適切に音読し、表現に即して構成を理解することができる			
		10th	「世界中がハンバー	-ガー」の読解		論理的展開と論証	を理解し、説明する	ることができる	
		11th	「世界中がハンバー	-ガー」の読解		教科書の設問に答	え、主題を理解する	ることができる	
	4th Quarter <u>1</u>		「蛇足」の読解			漢文の基本的読解	法を理解し、適切(こ音読できる	
			「蛇足」の読解・	「唐詩」の読解		内容を理解し、文化的影響をとらえることができる			
		14th	「唐詩」の読解			漢詩のきまりを理り とができる	解した上で個々の位	作品を鑑賞するこ	
		15th	「唐詩」の読解			漢詩のきまりを理解した上で個々の作品を鑑賞し、作 品評価することができる			
		16th	期末試験						
Evaluati	ion Meth	nod and	Weight (%)						
	試	颜	発表	相互評価	態度	ポートフォリオ	その他	Total	
Subtotal			0	0	0	0	0	100	
基礎的能力	基礎的能力 100 0 0 0				0	0	0	100	
専門的能力	9門的能力 0 0 0 0					0	0	0	
分野横断的	分野横断的能力 0 0 0 0 0					0	0	0	

	kashi C	ollege	Year	2022		Course Title	History
Course	Informa	tion					
Course Co		4102			Course Category		/ Compulsory
Class Forr		Lecture			Credits	School C	Credit: 2
Departme	ent		and Computer E	Engineering	Student Grade	1st	
Term Textbook Teaching	and/or	Year-roun 岸本美緒他	ia ②『新世界史』山/	 出版社 『二ユ	Classes per Wee -ステージ世界史詳		
Instructor		ARAKAWA	A Hironori				
Course	Objectiv	'es					
1,世界の近 2,歴史的事 3,日本と他	近現代史の基 事象と時代書 動のアジア語	基本的出来事、 背景との関連か 者国との歴史的	流れが把握できが理解できる。 対関係を理解し説は 対象を対象を理解し説は	明できる。			
Rubric			1				
			理想的な到達レ		標準的な到達レベ		未到達レベルの目安
評価項目1			流れが十分把握		世界の近現代史の流れがほぼ把握で	きる。	世界の近現代史の基本的出来事、 流れが十分把握できない。
評価項目2			歴史的事象と時十分に理解でき	代背景との関連が る。	歴史的事象と時代 ほぼ理解できる。	背景との関連が	理解できない。
評価項目3			日本と他のアジ 関係を十分に理	ア諸国との歴史的 解し説明できる。	日本と他のアジア 関係をほぼ理解し	諸国との歴史的 説明できる。	日本と他のアジア諸国との歴史的 関係を十分に理解し説明できない 。
評価項目4			現代起こってい 歴史から十分に とが出来る。	現代起こっている世界の諸問題を 現代起こってい 歴史から十分に理解し考察するこ 歴史からほぼ理			現代起こっている世界の諸問題を 歴史から十分に理解し考察出来ない。
<u>Assigne</u>	d Depar	tment Obj	ectives				
<u>Teachin</u>	ig Metho						
Outline		て中東の19	9・20世紀の歴史	で理解し、現在世界	『で起こっている諸問	問題の歴史的過	
Style		映像資料を	さ合めた資料・史料 た。白学白習を欠け	料を使い授業を展開 かさず行って自ら歴	する。プリントなど 史から考えていくと	は適宜配布予定いう姿勢で臨ん	Eであるが、教科書・ノートを毎回準 、でもらいたい。
Notice				<u>ゅうけい 1/3以上の</u> 件(割合) 1/3以上の		у у ууу с шиг	
Charact	eristics	of Class / I	Division in Le	a raina			
			DIVISION IN LO	earning			
☑ Active	Learning	,	☑ Aided by IO		☑ Applicable to	Remote Class	☐ Instructor Professionally Experienced
					☑ Applicable to	Remote Class	
		,	☑ Aided by I				
☑ Active Course		Т	☑ Aided by IO		G	oals	Experienced
		T 1st 斉	☑ Aided by IO Theme 西国主義とは		G A	ioals F国主義につい ⁻ P世以降のヨー[Experienced C説明できる。 コッパの植民活動について地理的なも
		T 1st 希 2nd 中	☑ Aided by IO Theme 西国主義とは	CT	G 有 ロ フ り	ioals 西国主義につい 中世以降のヨー[Dを含めた総合] プフリカ分割、 引できる。南ア	Experienced C説明できる。 コッパの植民活動について地理的なも 里解が出来る。 ファショダ事件とその影響について説
	Plan	T 1st 养 2nd 中 3rd フ	☑ Aided by IO Theme 所国主義とは 中世以降のヨーロ	で ツパ諸国の植民活動	G 有 中 の フ 即 き フ フ フ フ フ フ フ フ フ	ioals 野国主義につい 中世以降のヨー「 シを含めた総合・ アフリカ分割、 引できる。南ア する。	Experienced C説明できる。 コッパの植民活動について地理的なも
		T 1st	☑ Aided by IO Theme 西国主義とは 中世以降のヨーロ アフリカ分割	ッパ諸国の植民活動 一戦争	G 音 日 日 日 日 日 日 日 日 日	ioals 野国主義につい 中世以降のヨー[)を含めた総合[アフリカ分割、] 引できる。南ア こる。 アヘン戦争、ア[5。	Experienced C説明できる。 コッパの植民活動について地理的なも 理解が出来る。 ファショダ事件とその影響について説
	Plan late	T 1st	☑ Aided by IO Theme 耐国主義とは P世以降のヨーロ アフリカ分割 アヘン戦争、アロ	・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・	G 青 中 の フ 即 き え え る	ioals 所国主義につい 中世以降のヨー「 かを含めた総合・ フリカ分割、 引できる。南ア できる。 アヘン戦争、ア の。 で、 で、 で、 で、 で、 で、 で、 で、 で、 で、	Experienced C説明できる。 コッパの植民活動について地理的なも 里解が出来る。 ファショダ事件とその影響について説 戦争とその歴史的意義について説明で
	Plan late	T 1st	☑ Aided by IG Theme 所国主義とは P世以降のヨーロ アフリカ分割 アヘン戦争、アロ 大平天国と洋務運	ッパ諸国の植民活動 ・戦争 動 強運動	G 有中の プリ プロ で える える	foals 所国主義につい で国主義につい では、	Experienced C説明できる。 コッパの植民活動について地理的なも 理解が出来る。 ファショダ事件とその影響について説明で 数争とその歴史的意義について説明でき コー戦争とその影響について説明でき 重動影響について説明できる。 日清戦争とその影響について説明できる。
Course 1st Semeste	Plan late	T 1st	図 Aided by IO Theme 西国主義とは 中世以降のヨーロ アフリカ分割 アヘン戦争、アロ 太平天国と洋務運 計講戦争・変法自 ・ 調露戦争と辛亥革 「JICA国際協力中 「JICA国際協力中 ・ 京に向けて・交	・ で で で で で で で で で で で で で で で で で で で	G 所 り フリ ラ マ オ ス マ マ マ マ マ マ マ マ マ マ マ マ マ マ マ マ マ	foals 所国主義につい で国主義につい では、	Experienced C説明できる。 コッパの植民活動について地理的なも 理解が出来る。 ファショダ事件とその影響について説明で 3 本の歴史的意義について説明できる。 国動影響について説明できる。 日清戦争とその影響について説明できる。 5 本変革命とその影響について説明できる。 5 本変革命とその影響について説明できる。長期でいて説明できる。
Course 1st Semeste	Plan late	T 1st	図 Aided by IG Theme 所国主義とは 中世以降のヨーロ アフリカ分割 アヘン戦争、アロ 太平天国と洋務運 ヨ清戦争・変法自・日露戦争と辛亥革 「JICA国際協力中 広募に向けて・交	ッパ諸国の植民活動 一戦争 動 強運動 命 は学生・高校生エッセ	G 育 中の フリップ フリップ ス ズ 変る オリ 正式 厚	foals 所国主義について 中世以降の日本に アフリカスの一を アフリカスの一を アフリカスの一を アフリカスの一で アフリカスの一で アスフリカスの一で アスフリカスの一で アスフリカスの一で アスフリカスの一で アステムの一で アステムの一	Experienced C説明できる。 コッパの植民活動について地理的なも 理解が出来る。 ファショダ事件とその影響について説明で コー戦争とその歴史的意義について説明できる。 日清戦争とその影響について説明できる。 日清戦争とその影響について説明できる。 大変革命とその影響について説明できる。 たび明できる。長期できる。
Course 1st Semeste	Plan late	T 1st	図 Aided by IG Theme 西国主義とは 中世以降のヨーロ アフリカ分割 アヘン戦争、アロ は平天国と洋務運 日清戦争・変法自由 西国を関係は、中では、日本のは、日本のは、日本のは、日本のは、日本のは、日本のは、日本のは、日本の	ー ツパ諸国の植民活動 一戦争 動 強運動 命 ロ学生・高校生エッセ 換留学について の統一・ビスマルク	G 有 中の フリップ フリップ ス 変 る オリ 正文 県 外交 ト	foals 所国主義につい 所国主義につい では、	Experienced C説明できる。 コッパの植民活動について地理的なも 理解が出来る。 ファショダ事件とその影響について説明で 数争とその歴史的意義について説明でき 重動影響について説明できる。 目清戦争とその影響について説明できる。 公国際協力について説明できる。 長期できる。 の国際協力について説明できる。 の国際協力について説明できる。 の国際協力について説明できる。 の国際協力について説明できる。 の国際協力について説明できる。
Course 1st Semeste	Plan late	T 1st	図 Aided by IG Theme 西国主義とは 中世以降のヨーロ アフリカ分割 アヘン戦争、アロ 大平天国と洋務運 ヨ清戦争・変法自・ 田露戦争と辛亥革 「JICA国際協力中 京景に向けて・交響書館ツアー 音仏戦争・ドイツ 三国同盟と三国協	ー ツパ諸国の植民活動 一戦争 動 強運動 命 1学生・高校生エッセ 換留学について の統一・ビスマルク 商	G 所 中の	foals 所国主義につい 中世以降のヨー につかた総合 アフリカる。 対 アできる。 アスト は では、 アスト は では、 のでは、 のでは、 のでは、 のでは、 のでは、 のでは、 のでは	C説明できる。 コッパの植民活動について地理的なも 里解が出来る。 ファショダ事件とその影響について説明で 戦争とその歴史的意義について説明で 国一戦争とその影響について説明でき 動影響について説明できる。 日清戦争とその影響について説明でき 成争、辛亥革命とその影響について説明でき の国際協力について説明できる。長期 て説明できる。 いて本の閲覧と貸し出しが出来る。 過程とその影響について説明できる。 協商およびその影響について説明できる。
Course 1st Semeste	Plan late	T 1st	□ Aided by Identification Theme Theme	・	CG 有中の フリョ フィンテスト 正交 上 1 1 1 1 1 1 1 1 1	foals 所国主義につい 中世以降のヨー できかた制 でフリカる。南ア でする。 アス ので	C説明できる。 コッパの植民活動について地理的なも 里解が出来る。 ファショダ事件とその影響について説明で 戦争とその歴史的意義について説明でき 重動影響について説明できる。 日清戦争とその影響について説明できる。 は多、辛亥革命とその影響について説明できる。 たいて本の閲覧と貸し出しが出来る。 過程とその影響について説明できる。 お商およびその影響について説明できる。 おの西とり意義について説明できる。
Course 1st Semeste	Plan 1st Quarter	T 1st	□ Aided by Identification Theme Theme	ー ツパ諸国の植民活動 一戦争 動 強運動 命 1学生・高校生エッセ 換留学について の統一・ビスマルク 商	CG 有中の フリョ フィンテスト 正交 上 1 1 1 1 1 1 1 1 1	foals 所国主義につい 中世以降のヨー できかた制 でフリカる。南ア でする。 アス ので	C説明できる。 コッパの植民活動について地理的なも 里解が出来る。 ファショダ事件とその影響について説明で 戦争とその歴史的意義について説明でき 重動影響について説明できる。 日清戦争とその影響について説明できる。 は多、辛亥革命とその影響について説明できる。 たいて本の閲覧と貸し出しが出来る。 過程とその影響について説明できる。 お商およびその影響について説明できる。 おの西とり意義について説明できる。
Course 1st Semeste	Plan 1st Quarter	T 1st	□ Aided by Identification Theme Theme	ー で	日	foals 「国主義につい」 「国主義につい」 「国世以合のた制のでは、「国世以合のなかのでは、「国では、「国では、「国では、「国では、「国では、「国では、「国では、「国	Experienced Ci説明できる。 コッパの植民活動について地理的なも 里解が出来る。 ファショダ事件とその影響について説明で 戦争とその歴史的意義について説明でき 重動影響について説明できる。 日清戦争とその影響について説明できる。 は多、辛亥革命とその影響について説明できる。 大び説明できる。 の国際協力について説明できる。長期ではいて本の閲覧と貸し出しが出来る。 過程とその影響について説明できる。 お商およびその影響について説明できる。 とその歴史的意義について説明できる。 とその歴史的意義について説明できる。
	Plan 1st Quarter	T 1st	図 Aided by IG Theme 耐国主義とは 中世以降のヨーロ アフリカ分割 アヘン戦争、アロ 大平天国と洋務運 計講戦争・変法自 計画戦争と辛亥革 「JICA国際協力中 で募に向けて・ を調書館ツアー 等仏戦争・ドイツ 国同盟と三国協 てルカン半島・民	ッパ諸国の植民活動 ・戦争 動 強運動 ・高校生エッセ ク統一・ビスマルク 商 族のモザイク 大国の思惑と民族主	日	foals 「国主義につい」 「国主義につい」 「国世以合のた制のでは、「国世以合のなかのでは、「国では、「国では、「国では、「国では、「国では、「国では、「国では、「国	Experienced Ci説明できる。 コッパの植民活動について地理的なも 里解が出来る。 ファショダ事件とその影響について説明で 戦争とその歴史的意義について説明でき 重動影響について説明できる。 日清戦争とその影響について説明できる。 は多、辛亥革命とその影響について説明できる。 大び説明できる。 とその影響について説明できる。 最程とその影響について説明できる。 お商およびその影響について説明できる。 おのおよびその影響について説明できる。 とその歴史的意義について説明できる。 とその歴史的意義について説明できる。
Course 1st Semeste	Plan 1st Quarter	T 1st	図 Aided by IG Theme 西国主義とは 中世以降のヨーロ アフリカ分割 アヘン戦争、アロ は、平天国と洋務運 目清戦争・変法自 日露戦争・辛亥革 IJICA国際はて で 国書館サードイツ 国国盟と三国協 バルカン半島・民 に、ア世界大戦・ に、四運動・国共合 時州事変・西安事	ッパ諸国の植民活動 ・戦争 動 強運動 ・高校生エッセ ク統一・ビスマルク 商 族のモザイク 大国の思惑と民族主	G 所 中の	foals 「国主義についてはない」では、 「国主義についてはない」では、 「国世公会の力をした。」では、 「国ではないでは、 「国ではないでは、 「国ではないでは、 「国ではないでは、 「国ではないでは、 「国ではないでは、 「国では、 「国で	Experienced C説明できる。 コッパの植民活動について地理的なも 理解が出来る。 ファショダ事件とその影響について説明できる。 コー戦争とその歴史的意義について説明できる。 目清戦争とその影響について説明できる。 日清戦争とその影響について説明できる。 大変ないて、いて、いて、いて、いて、いて、いて、いて、いて、いて、いて、いて、いて、い
Course 1st Semeste	Plan 1st Quarter	T 1st	図 Aided by IG Theme 所国主義とは 中世以降のヨーロ アフリカ分割 アヘン戦争、アロ連 計画を発力する には には では には	ッパ諸国の植民活動 一戦争 動 強運動 命 学生・高校生エッセ 換留学にての統一・ビスマルク 商 族のモザイク 大国の思惑と民族主 作	G 所 中 d 丁明	ioals 「国主義についてはない」では、 「国世公会のためのでは、 「国世公会のためのでは、 「国世公会のためのでは、 「国では、 「国	Experienced C説明できる。 コッパの植民活動について地理的なも 理解が出来る。 ファショダ事件とその影響について説明できる。 コー戦争とその歴史的意義について説明できる。 国計戦争とその影響について説明できる。 日清戦争とその影響について説明できる。 政国際協力について説明できる。 大変事のとその影響について説明できる。 大変事の影響について説明できる。 大変事の影響について説明できる。 大変事の影響について説明できる。 大変事の影響について説明できる。 大変事の影響について説明できる。 大変事について説明できる。 大変事について説明できる。 大変事について説明できる。 大変事性とその影響について説明できる。 大変事件とその影響についる異常についる異常で
Course 1st Semeste	Plan 1st Quarter	T 1st	図 Aided by IG Theme 所国主義とは 中世以降のヨーロ アフリカ分割 アヘン戦争、アロ連 計画を発力する には には では には	ー マンファイン アンファイン アンファイ	G 所 中 の で で で で で で で で で	ioals 「国主義につい」 「国主義につい」 「国世と含かった。」 「国世と含かった。」 「国では、国では、国では、国では、国では、国では、国では、国では、国では、国では、	Experienced C説明できる。 コッパの植民活動について地理的なも 理解が出来る。 ファショダ事件とその影響について説明できる。 コー戦争とその歴史的意義について説明できる。 目清戦争とその影響について説明できる。 日清戦争とその影響について説明できる。 大変ないて、いて、いて、いて、いて、いて、いて、いて、いて、いて、いて、いて、いて、い

			1								
		3rd	塩の行進からイント	※独立		ガンディーの運動 対立に関して説明		のインドパキスタンの			
		4th	19世紀以降のロシ	 アの改革		ロシア革命以前の。	ロシアの体制	に関する説明が出来る			
		5th	ロシア革命			3月革命、11月革 きる。	3月革命、11月革命とその歴史的意義について説明できる。				
		6th	ベルサイユ体制とワ	フシントン体制		ヴェルサイユ体制 らの歴史的意義に	ヴェルサイユ体制、ワシントン体制、国際連盟とこれ らの歴史的意義について説明できる。				
		7th	アメリカの繁栄・黄			パクスアメリカー	-ナに関する説	 明が出来る。			
		8th	パクスアメリカーブ	+		アメリカの現状に おける役割を説明		し、アメリカの世界に			
		9th	世界恐慌・ブロック	7経済		世界恐慌の拡大過	社とその影響	について説明できる。			
	10th -		ナチスドイツの成立	Z		なぜナチスが生ま 過程についての訪		それを受容したのかの			
		11th	第二次世界大戦			ポーランド侵攻、 説明できる。	ポーランド侵攻、第二次世界大戦とその影響について 説明できる。				
	4th Ouarter	12th	東西冷戦			ベルリン封鎖、キ ついて説明できる		これらの歴史的意義に			
	(3.3.7.2.	13th	中華人民共和国の原	戊立・大躍進		1949年、中ソ論	1949年、中ソ論争とその影響について説明できる。				
		14th	文化大革命・改革開	開放		大躍進、文化大革とその影響につい	命、さらに改 ないて説明できる。	革開放路線、香港返還 。			
		15th	朝鮮半島の近現代は	2・スタディツ:	アーに向けて	朝鮮半島の近現代	朝鮮半島の近現代史に関する説明が出来る。				
		16th	期末試験								
Evaluat	ion Met	hod and	Weight (%)								
	試	験	ノートを含む提 出物	相互評価	態度	ポートフォリオ	その他	Total			
Subtotal	70)	20	5	5	0	0	100			
基礎的能力	b 70)	20	5	5	0	0	100			
専門的能力	b 0		0	0	0	0	0	0			
分野横断的	勺能力 0		0	0	0	0	0	0			
	•		•		•						

A	kashi Co	ollege	Year	2022			Course	Mathematics I A		
Course 1							Title			
Course Co		4103			Course Categor	·	General /	Compulsory		
Class Forn		Lecture			Credits	,	School Ci	•		
Departme	nt	Electrical a	and Computer E	ngineering	Student Grade		1st			
Term		Year-roun	d		Classes per We	ek	4			
Textbook Teaching		新基礎数学	高遠節夫ほか	· 大日本図書)、「	司問題集					
Instructor		TAKATA I	sao							
2) To und 3) To und 4) To und	erstand nerstand Eerstand aleerstand eerstand ee	umbers and equation and indicated in the second in the sec	nequality, and land graphs, and logarithmic fu	be able to calculate be able to solve the d be able to use the unctions, and be al of possible outcome	em. em. ble to use them.	cy, and	l be able to	o calculate them.		
			Ideal Level		Standard Level			Unacceptable Level		
1) Numbe	ers and eq	uations	Can understar equations, and calculate them		Can understand equations.	d num	bers and	Can not understand numbers and equations.		
2) Equation	on and ine	quality		nd Equation and I be able to solve	Can understand inequality.	d Equa	ition and	Can not understand Equation and inequality.		
3)Function	ns and gra	aphs		nd and functions nd be able to use	Can understand and graphs.	d and f	functions	Can nt understand and functions and graphs.		
4) Expone functions,		logarithmic		nd exponential and nctions, and be em.	Can understand logarithmic fund	d expo	nential an	d Can not understand exponential and logarithmic functions.		
5) Numbe outcomes	er of possil and prob	ole ability	of the number	probability, and	Can understan of the number outcomes and p	of pos	sible '	Can not understand the principles of the number of possible outcomes and probability.		
Assigne	d Depar	tment Obj	ectives		•					
Teachin	g Metho	d								
Outline			tive is to develop basic mathematical formulas and logical thinking skills and acquire the itals of mathematics necessary in college.							
Oddine				atics necessary in le syllabus using vi						
Style				oups during class		under	standing.			
Notice		want you Do CBT in	to study indepe any week.	ndently by using t	he problem colle	ction.	,	ave it alone and ask a question. I		
Charact	aristics (Division in Le		ble for passing 1	for passing 1/3 or more absenteeism.				
		Ji Ciass / L						☐ Instructor Professionally		
☑ Active	Learning		☑ Aided by IC	21 	☐ Applicable to Remote Class			Experienced		
Course	Plan	<u> </u>								
		T	heme			Goals		Idiai		
		1st N	umbers and eq	uations		multip	olication of	ldition, subtraction, and formulas. Can also use exponent sion formulas.		
		2nd N	umbers and eq	uations		the di	vision of th	factorization. Can also calculate ne formula.		
		3rd N	umbers and eq	uations		factor formu	theorem. la.	her-order polynomial using the Can also reduce the minute		
1st	1st	4th N	umbers and eq	uations		under calcul	stand the	Idition, subtraction, multiplication livision formulas. Can also equality of complex numbers and ddition, subtraction, multiplication		
Composto	Quarter	5th N	umbers and eq	uations		Can understand the meaning of real number absolute values. Can also understand the correspondence between complex numbers complex planes.				
		6th E	quations and in	equalities		equat	ions by us	arned so far. Can solve quadratic ing solution formulas.		
		7th E	quations and in	equalities		solution	ons and co ssion. Can	the relationship between efficients and factor any quadratic also solve simultaneous		
		8th E	quations and in	equalities		equat	ions. Can	onal equations and unreasonable also understand the identity and fraction decomposition.		

		_								
		9th	Equati	ons and inequalitie	S		Can prove va linear inequa	arious equations. Ilities.	Can also solve the	
		10th	Equati	ons and inequalitie	S		Can solve qu the inequality		es. Can also prove	
		11th	Equati	ons and inequalitie	S		Can understa	and the sets and	find the number of	
	2nd	12th	Equati	ons and inequalitie	S		Can judge th state the cor number of th	ne truth of a proposition. The proposition.	osition. Can also , and the even	
	Quarter	13th	Functi	ons and graphs			To check was learned so far. Can draw a graph of a quadratic function.			
		14th	Functi	ons and graphs			Can obtain the quadratic functions. Can also understand the relationship between quadratic functions and quadratic equations.			
		15th	Functi	ons and graphs			Can understand the relationship between quadratic functions and quadratic inequalities. Also, do a comprehensive review.			
		16th	End te	rm exam			To check was	s learned so far.		
		1st	Functi	ons and graphs					nderstand that the noved and scaled.	
		2nd	Functi	ons and graphs			distinguish b	graph of the pow etween even and graph of a fractio	er function, and can d odd functions. Can anal function.	
		3rd	Functi	ons and graphs			Can solve Ind fractional fur irrational fun	equalities by usir actions. Can also actions.	ng graphs of draw a graph of	
	3rd Quarter	4th	Expon	ential and logarithr	nic functions		Can draw a graph of the inverse function. Can also understand the roots of exponentiation.			
		5th	Expon	ential and logarithr	nic functions			and the extension w a graph of the	n of exponent rules. exponential	
		6th	Expon	ential and logarithr	nic functions		exponential f	uations and ineq functions. Can als d perform simple	so understand the	
2nd		7th	Expon	ential and logarithr	nic functions		Can use the draw a graph	logarithms chang n of logarithmic f	ge formula. Can also unctions.	
Semeste r		8th	Expon	ential and logarithr	nic functions		Can solve eq logarithmic follogarithm.	uations and ineq unctions. Can als	ualities of so use the common	
		9th	Numb	er of cases			To check was rule of produ number of si	ict and the rule o	Can understand the f sum and find the	
		10th	Numb	er of cases			Can find the values in various order.			
		11th	Numb	er of cases			Can find the circular permutation. Can also obtain a simple combination.			
	4th	12th	Numb	er of cases			Can obtain the various combinations. Can also obtain the repeated permutations.			
	Quarter	13th	Numb	er of cases			Can understand and use the binomial theorem. Also, perform CBT.			
		14th	Basics	of probability			Can calculate understand a	e a simple probal and calculate con	oility. Can also ditional probabilities.	
		15th	Summ	ary			understand and calculate conditional probabilities. To check was learned so far. Also, do a comprehensive review.			
		16th	End te	rm exam			To check was	s learned so far.		
Evaluati	on Metl	hod and	Weigh	t (%)						
		Examinati	_	Comprehension confirmation test	Review quiz		nissions such signments	Attendance poir	ts Total	
Subtotal		25		20	25	15		15	100	
Basic Prof	iciency	25		20	25	15		15	100	
Specialize Proficienc	d y	0		0	0	0		0	0	
Cross Area Proficiency		0				0				

А	kashi Co	ollege	Year	2022			urse tle	Mathematics I B
Course	Informa	tion		·				
Course Co	ode	4104			Course Category	/ G	eneral ,	/ Compulsory
Class For	mat	Lecture			Credits	S	chool C	redit: 2
Departme	ent	Electrical a	ınd Computer E	ngineering	Student Grade		st	
Term		Year-round	d		Classes per Wee	k 2		
Textbook Teaching		高遠他:「新	f 基礎数学」大	日本図書高遠他:「新	新 基礎数学 問題	集」大日	書図本日	
Instructor	r	OMODA Ya	suhiro					
	Objectiv							
三角関数、	図形と方程	呈式、数列につ	いて理解し、関	連する問題を解くこ	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	ルの目を	₹	未到達レベルの目安
評価項目1	l			を理解し、三角関 を解くことが十分	三角関数の定義を 数を用いる問題を る。			三角関数の定義を理解し、三角関数を用いる問題を解くことができない。
評価項目 2	2		方程式と図形の し、直線と2次 題を解くことが	関係について理解 曲線に関連する問 十分にできる。	方程式と図形の関 し、直線と2次曲 題を解くことがで	係につい 線に関連 きる。	ハて理解 重する問	方程式と図形の関係について理解 し、直線と2次曲線に関連する問 題を解くことができない。
評価項目3	3			和を求めることが	数列の一般項や和できる。			
Assiane	d Denar	tment Obje						•
	ig Metho							
Outline	ig Metric		図形とその古程=	式、数列について学	バ 宮宙で必亜レゴ	カス粉や	せば かんせん	を身につける
Style		_	凶形とての万柱」 問題演習により打		ン、同寺 (必安とで	11公奴-	テツ茶阪	:'(オにンク)'る。
Notice		予習復習を演習発表の			る場合には割合以上 欠課	この点数を	をつける	ことがある。
Charact	eristics	<u>'</u>	Division in Le	• •				
☑ Active		<u> </u>	☑ Aided by IC		☑ Applicable to	Remote	e Class	☐ Instructor Professionally
			,		1			Experienced
Course	Plan							
		Th	neme		(Goals		
		1st Ξ	角比とその応用			三角比を	求めるこ	ことができる
		2nd ≡	角比とその応用					[†] めることができる
			角比とその応用					E弦定理を用いて解くことができる
	4 -4	4th <u>≡</u>	角比とその応用					会弦定理を用いて解くことができる
	1st Quarter	5th 総	括			う。		内容の定着度を確認し、振り返りを行
		6th ≡	角関数					牧の値を求めることができる。弧度法 見ができる。
		7th 三	角関数					関係や性質を説明することができる
1st		+	角関数					フを描くことができる
Semeste		9th ≡	角関数					角不等式を解くことができる
		10th 総	括			試験によ う。	り学習内	内容の定着度を確認し、振り返りを行
		11th 加	 法定理とその応	 ∄			を用いた	 :計算ができる
			法定理とその応					式を用いた計算ができる
	2nd Quarter		法定理とその応		· 利			で導出でき、それらを用いた計算がで
		14th 加	法定理のその応	 用		<u>: 2</u> 三角関数	の合成力	ができる
			<u>法是是。) </u>		=			内容の定着度を確認し、振り返りを行
		16th な	:U		-	<i>-</i> 0		
		+	<u>し</u> と直線			 为分点.	三角形♂	 D重心の計算ができる
			と直線					ドめることができる
			と直線			2 直線の	平行・重	を直条件をもちいて、条件を満たす直 かることができる
2nd	3rd Ouarter	4th 総	 括		1			内容の定着度を確認し、振り返りを行
Semeste	Qualter	5th 2	次曲線				式を求め	りることができる
r'			次曲線					既形を求めることができる
			次曲線					D方程式や概形を求めることができる
			次曲線					・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・
	4th		次曲線					
	Quarter	201 2	(人) 日本			(左北)	1 42 17/0	

		10th	総括			試験にう。	より学習内容の定着度を	確認し、振り返りを行
		11th	数列			等差数	列の一般項を計算できる	
		12th	数列			等比数	列の一般項を計算できる	
		13th	数列			いろい	ろな数列の和を計算でき	る
	:	14th	数列			漸化式 数学的	の一般項の計算ができる 帰納法を用いた証明がで	きる
	:	15th	総括			試験にう。	より学習内容の定着度を	確認し、振り返りを行
		16th	なし					
Evaluation	on Metho	d and \	Weight (%)					
		試験		演習発表	学習態度・出席	伏 況	その他	Total
Subtotal		30		40	30		0	100
基礎的能力		30		40	30		0	100
専門的能力	·	0		0	0		0	0
分野横断的	能力	0		0	0		0	0

А	kashi Co	ollege	Year	2	022			ourse Title	Physical Education I
Course	Informa	tion							
Course Co	ode	4106				Course Categor	γ	General ,	Compulsory
Class Forr	mat	講義・実担	 支			Credits		School C	redit: 2
Departme	ent	Electrical	and Computer	Engi	ineering	Student Grade		1st	
Term		Year-roui	nd			Classes per We	ek	2	
Textbook Teaching									
Instructor	r	GOTOH T	akayuki,ISHID	А Ма	sami,KOBAYAS	iHI Yuki			
Course	Objectiv	es							
授業に参	かして自身	の健康増進、	体力向上に努め ムの進め方を理解	うる。 弾し、	また、ある程度の参加することが	の自己管理力があ できる。	る。		
Rubric									
			理想的な到達し	レベノ	しの目安 しの目安	標準的な到達レイ	ベルの目]安	未到達レベルの目安
授業の取り)組み			句上に	Iして自身の健 に努める。自己	授業に参加して目 体力向上に努める 管理力がある。	自身の仮 る。ある	建康増進、 3程度自己	授業に参加しない。自身の健康増 進、体力向上に努めない。自己管 理力が低い。
実技			参加し、競技を	カがま	-ムに積極的に おに高い。ま きな影響力を持	各種目の練習、5 参加することがで の技術を身に付け	できる。	また、そ	各種目の練習、ゲームに参加しない。
リーダーシ	シップ		リーダーの役割	割を。 を高ぬ	にく理解し、チ かることができ	リーダーの役割を もしくは引き受け			リーダーの役割を理解していない 。またその役割を担うこともない 。
Assiane	d Denar	tment Ob							
	g Metho		,						
Outline	ig Metrio	基礎体力の			々なスポーツに る態度や知識も		高める。	また、身	体活動を通して豊かな社会性を養い
Style		を覚え、基 クカも高ぬ 男子前期担 男子後期は	基本技術の習得に りてほしい。受講 3当:後藤	努め 学生	る。さらにゲー <i>園</i> と担当教員が協力	しさを各々に発見 ムやゲーム形式練! カして安全で雰囲!	しても! 習を通! 気のよ!	らいたい。 して、より ハ授業作り	まずはルールやゲームの進め方など 高度な技術を身に付け、チームワー をしたいと考えている。
Notice		対象となる ・アクセ! ・遅刻は開 ・無断早過	る。 ナリー類、時計、 閉始20分までとす &(抜け出し)が発	その する。 覚し	他不必要な物の 20分以後の参加	着用や持ち込みを類は認めるが欠席扱 業を欠席とし、それ	禁止する	る。これら る。	こと。着用していない場合は減点の も減点の対象となる。 席同等の減点を課す。
Charact	eristics o	of Class /	Division in L	ear	nina				
☐ Active		<u> </u>	☐ Aided by		9	☑ Applicable to	o Remo	ote Class	☐ Instructor Professionally Experienced
						'			1 12 2 2 2 2 2
Course	Plan								
Course		-	heme				Goals		
			 男女:ガイダンス				この授	業の目的、 準備運動力	目標を理解する。安全に運動を行う 「必要であることを再認識する。
		2nd 5	男子:サッカー(1)) /	女子:フライン:	グディスク(1)		やゲームσ	進め方を覚える。基本技術の習得に
		3rd	男子:サッカー(2)) /	女子:フライン:	ガニ ィフ ク(2)		やゲームの)進め方を覚える。基本技術の習得に
	1st Quarter	4th	男子:サッカー(3)) /	女子:フライン:			やゲームの)進め方を覚える。基本技術の習得に
		5th	男子:サッカー(4)) /	女子:フライン:	グディスク(4)		・ やゲームの)進め方を覚える。基本技術の習得に
		6th	男子:サッカー(5)) /	女子:フライン:	グディスク(5)		-	
			男子:サッカー(6 [°]	•	女子:フライン:				らことができる。
1st Semeste			男子:サッカー(7)	, ,	女子:フライン:				5ことができる。
r						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,)進め方を覚える。基本技術の習得に
			男女:バドミント:				努める	0	の進め方を覚える。基本技術の習得に
			男女:バドミント:				<u>努める</u> ルール)進め方を覚える。基本技術の習得に
	2nd Quarter		男女:バドミント:				<u>努める</u> ルール	<u>。</u> やゲームの	の進め方を覚える。基本技術の習得に
	- Qualiter	12th	男女:バドミント:	ノ(4)	1		努める	0	
			男女:バドミント:						Sことができる。
			男女:バドミント:						Sことができる。
		-	男女:バドミント:)		ゲーム	に参加する	Sことができる。
		16th	期末試験実施せす	r					

1st 男子:バレーボール (1) / 女子:ダンス (1) 男子:ルンゲームの進め方を覚える。基本技術の習慣に努める。 女子:基本技術の習慣に努める。 タ子:メルットの進め方を覚える。基本技術の習慣に努める。 タ子:基本技術の習慣に努める。 ター:基本技術の習慣に努める。 ター:基本技術の可能力を表生などができる。 ター:基本技術の可能力を表生などができる。 ター:基本技術の可能力を表生などができる。 ター:基本技術の可能力を表生などができる。 ター:基本技術の可能力を表生などができる。 ター:基本技術のでは、ター:基本技術のでは、ター:基本技術のでは、ター:基本技術のでは、ター:基本技術のでは、ター:基本技術のでは、ター:基本技術のでは、ター:基本技術のでは、ター:基本技				1					
2nd 男子:バレーボール (2) / 女子:ダンス (2) 神に努める。 女子:基本技術の習得に努める。 タ子:ルール・ゲームの進め方を覚える。基本技術の習得に努める。 男子:ルール・ゲームの進め方を覚える。基本技術の習得に努める。 男子:ルール・ゲームの進め方を覚える。基本技術の習得に努める。 男子:ルール・ゲームの進め方を覚える。基本技術の習得に努める。 男子:ルール・ゲームの進め方を覚える。基本技術の習得に努める。 男子:ルール・ボール (5) / 女子:ダンス (5) 男子:グームに参加することができる。 女子:基本技術の習得に努める。 男子:グームに参加することができる。 女子:基本技術の習得に努める。 男子:グームに参加することができる。 女子:基本技術の習得に努める。 男子:グームに参加することができる。 女子:基本技術の習得に努める。 男子:グームに参加することができる。 女子:基本技術の習得に努める。 男子:グームに参加することができる。 タ子:グームに参加することができる。 タ子:グームをいるのは、 タ子:グーム			1st	男子:バレーボール (1)) /	/ 女子:ダンス (1)		得に努める。	
3rd			2nd	男子:バレーボール (2)) /	/ 女子:ダンス (2)		得に努める。	
Quarter 4th 男子:パレーボール (4) / 女子:ダンス (4) 得に努める。 女子:基本技術の習得に努める。 女子:基本技術の習得に努める。 女子:基本技術の習得に努める。 女子:基本技術の習得に努める。 女子:基本技術の習得に努める。 男子:パレーボール (5) / 女子:ダンス (5) 男子:ゲームに参加することができる。 女子:基本技術の習得に努める。 男子:パレーボール (7) / 女子:ダンス (6) 男子:ゲームに参加することができる。 女子:基本技術の習得に努める。 男子:ゲームに参加することができる。 女子:基本技術の習得に努める。 タオ:ダンス (7) タ子:基本技術の習得に努める。 タオ:ダンス (7) タ子:基本技術の習得に努める。 タオ:ダンス (7) タ子:基本技術の習得に努める。 タオ:ダースボーツ大会が安全に行えるよう準備、練習をする。 タオ:ゲームの進め方を覚える。基本技術の習得に努める。 女子:作品づくりに参加することができる。 タ子:ゲームの進め方を覚える。基本技術の習得に努める。 女子:作品づくりに参加することができる。 タ子:ゲームの進め方を覚える。基本技術の習得に努める。 女子:作品づくりに参加することができる。 タオ:ゲームの進め方を覚える。基本技術の習得に努める。 女子:作品づくりに参加することができる。 ター:ゲームの進め方を覚える。基本技術の習得に努める。 女子:作品づくりに参加することができる。 ター:ゲームの進め方を覚える。基本技術の習得に努める。 女子:作品づくりに参加することができる。 ター:ゲームの進め方を覚える。基本技術の習得に努める。 女子:作品づくりに参加することができる。 ター:ゲームに参加することができる。 ター:ゲームに参加			3rd	男子:バレーボール (3)) /	/ 女子:ダンス (3)		得に努める。	
### Stn 男子:ハレーホール (5) / 女子:ダンス (5) 女子:基本技術の習得に努める。 6th 男子:ハレーボール (6) / 女子:ダンス (6) 男子:ゲームに参加することができる。女子:基本技術の習得に努める。 7th 男子:ハレーボール (7) / 女子:ダンス (7) 男子:ゲームに参加することができる。女子:基本技術の習得に努める。 8th 男女:スボーツ大会練習 スポーツ大会が安全に行えるよう準備・練習をする。 8th 男女:タグラグピー (1) / 女子:ダンス (8) 男子:ルールやゲームの進め方を覚える。基本技術の習得に努める。女子:作品づくりに参加することができる。 8p子:ルールやゲームの進め方を覚える。基本技術の習得に努める。女子:作品づくりに参加することができる。 8p子:ルールやゲームの進め方を覚える。基本技術の習得に努める。女子:作品づくりに参加することができる。基本技術の習得に努める。女子:作品づくりに参加することができる。 10th 男子:タグラグピー (3) / 女子:ダンス (10) 男子:ルールやゲームの進め方を覚える。基本技術の習得に努める。女子:作品づくりに参加することができる。 11th 男子:タグラグピー (4) / 女子:ダンス (10) 男子:ルールやゲームの進め方を覚える。基本技術の習得に努める。女子:作品づくりに参加することができる。 12th 男子:タグラグピー (4) / 女子:ダンス (11) 現子:ゲームに参加することができる。女子:作品づくりに参加することができる。女子:作品づくりに参加することができる。女子:作品づくりに参加することができる。女子:作品づくりに参加することができる。女子:作品づくりに参加することができる。女子:作品づくりに参加することができる。 15th 男子:タグラグピー (7) / 女子:ダンス (14) 男子:ゲームに参加することができる。 15th 男子:タグラグピー (7) / 女子:ダンス (15) 月子:ゲームに参加することができる。 15th 男子:タグラグピー (7) / 女子:ダンス (16) 月子:ゲームに参加することができる。 15th 男子:タグラグピー (7) / 女子:ダンス (17) 月子:ゲームに参加することができる。 15th 男子:タグラグピー (7) / 女子:ダンス (14) 男子:ゲームに参加することができる。 15th 男子:タグラグピー (7) / 女子:ダンス (15) 月子:ゲームに参加することができる。 15th 男子:タグラグピー (7) / 女子:ダンス (15) 月子:ゲームに参加することができる。 15th 男子:タグラグピー (7) / 女子:グンス (14) 月子:ゲームに参加することができる。 15th 男子:タグラグピー (7) / 女子:グンス (15) 月子:ゲームに参加することができる。 15th 男子:タグラグピー (7) / 女子:グンス (14) 月子:ゲームに参加することができる。 15th 男子:グロに参加することができる。 15th 月子:グロに参加する (15)			4th	男子:バレーボール (4)) /	/ 女子:ダンス (4)		得に努める。	
Part			5th	男子:バレーボール (5)) /	/ 女子:ダンス (5)			
### 2010			6th	男子:バレーボール (6)) /	/ 女子:ダンス (6)			
Semeste r 対析 タスス(ロールングームの進め方を覚える。基本技術の習得に努める。女子:作品づくりに参加することができる。場子:ルールングームの進め方を覚える。基本技術の習得に努める。女子:作品づくりに参加することができる。場子:ルールングームの進め方を覚える。基本技術の習得に努める。女子:作品づくりに参加することができる。場子:ルールングームの進め方を覚える。基本技術の習得に努める。女子:作品づくりに参加することができる。場子:ルールングームの進め方を覚える。基本技術の習得に努める。女子:作品づくりに参加することができる。場子:ルールングームの進め方を覚える。基本技術の習得に努める。女子:作品づくりに参加することができる。場子:ルールングームの進め方を覚える。基本技術の習得に努める。女子:作品づくりに参加することができる。場子:ルールングームの進め方を覚える。基本技術の習得に努める。女子:作品づくりに参加することができる。場子:作品づくりに参加することができる。女子:作品づくりに参加する。女子:作品づくりに参加することができる。女子:作品づくりに参加することができる。女子:作品づくりに参加することができる。女子:作品づくりに参加することができる。女子:作品づくりに参加することができる。女子:作品づくりに参加する。女子:作品づくりに参加する。女子:作品づくりに参加する。女子:作品づくりに参加する。女子:作品づくりに参加する。女子:作品づくりに参加する。女子:作品づくりに参加する。女子:作品づくりに参加する。女子:作品づくりに参加する。女子:作品づくりに参加する。女子:作品づくりに参加する。女子:作品づくりに参加する。女子:作品づくりに参加することができる。女子:作品づくりに参加する。女子:作品づくなりに参加する。女子: 「おり、女子: グー・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・			7th	男子:バレーボール (7)) /	/ 女子:ダンス (7)			
Semeste Ph			8th	男女:スポーツ大会練習				スポーツ大会が安全に行え	るよう準備、練習をする。
10th 男子:タグラグビー (2) / 女子:ダンス (9) 得に努める。 女子:作品づくりに参加することができる。 男子:ルールやゲームの進め方を覚える。基本技術の習得に努める。 女子:作品づくりに参加することができる。 男子:ルールやゲームの進め方を覚える。基本技術の習得に努める。 女子:作品づくりに参加することができる。 男子:ルールやゲームの進め方を覚える。基本技術の習得に努める。 女子:作品づくりに参加することができる。 女子:作品づくりに参加することができる。 女子:作品づくりに参加することができる。 日本	r		9th	男子:タグラグビー (1)) /	/ 女子:ダンス (8)		得に努める。	
11th			10th	男子:タグラグビー (2)) /	/ 女子:ダンス (9)		得に努める。	
12th			11th	男子:タグラグビー (3)) /	/ 女子:ダンス (10)		得に努める。	
13th 男子:タグラグヒー (3) / 女子:タンス (12) 女子:作品づくりに参加することができる。		1 2 4 1 1	12th	男子:タグラグビー (4)) /	/ 女子:ダンス (11)		得に努める。	
15th 男子:タグラグビー (7) / 女子:ダンス (14) 女子:作品づくりに参加することができる。			13th	男子:タグラグビー (5)) /	/ 女子:ダンス (12)			
13th カナ・タウ ソウヒー (/) / 女子・作品づくりに参加することができる。			14th	男子:タグラグビー (6)) /	/ 女子:ダンス (13)		男子:ゲームに参加するこの女子:作品づくりに参加する	とができる。 ることができる。
Evaluation Method and Weight (%) 実技 リーダーシップ Total Subtotal 75 10 15 100 基礎的能力 75 0 0 75			15th	男子:タグラグビー (7)) /	/ 女子:ダンス (14)		男子:ゲームに参加するこの女子:作品づくりに参加する	とができる。 ることができる。
授業の取り組み実技リーダーシップTotalSubtotal751015100基礎的能力750075			16th	期末試験実施せず					
授業の取り組み実技リーダーシップTotalSubtotal751015100基礎的能力750075	Evaluati	on Meth	od and	Weight (%)					
Subtotal 75 10 15 100 基礎的能力 75 0 0 75					実:	 技	I,	Jーダーシップ	Total
基礎的能力 75 0 0 75	Subtotal						+-		
]			0				75
	分野横断的]能力	0		10)	1	5	25

Course Ir Course Cod Class Form Departmen	nformat					l Title	. 15	English I A
Course Cod Class Form	0	ti∩n				Title		
Class Form	de .	4107			Course Catego	rv Gene	eral /	Compulsory
		Lecture			Credits	<i>'</i>		edit: 2
			al and Computer I	Engineering	Student Grade	1st	, , , , , , , , , , , , , , , , , , , 	
Term	-	Year-roi	•	<u> </u>	Classes per We			
Textbook a Teaching M		Crown E	English Communic	cation I / Crown St	udy Note / Crov	vn WORKBO	OK / L	istening CDs
Instructor		AKIMOT	O Hiromi					
use it appro 2) To revier study guide 3) To revier appropriate 4) Can read	w the vocopriately. w the gradelines. w sentenely, follow d sentence	cabulary lea ammar lea ces structi ving the highes written	rned at junior hig ures learned in ju gh school learning in English, unde	ph school, and learn nior high school, and g guidelines. Instand the text outl	n to use grammand learn to use soline, read and expenses the second seco	ar rules appi sentence str	ropriat ucture sary ir	th school learning guidelines, and tely, according to the high school es and operate them information.
Rubric								
			Ideal Level		Standard Leve			Unacceptable Level
Achieveme	nt 1		new vocabula	las well acquired ry following the arning guidelines propriately.	The student havocabulary folloschool learning use it appropri	owing the hi guidelines a	igh	The student has not acquired new vocabulary following the high school learning guidelines and use it appropriately.
Achieveme	nt 2		use grammar appropriately,	as well learned to rules according to the udy guidelines.	The student had grammar rules according to the study guideline	appropriate le high scho	ely,	The student has not learned to use grammar rules appropriately, according to the high school study guidelines.
Achieveme	nt 3		use sentence	as well learned to structures and appropriately, high school elines.	The student has sentence structhem appropriate the high school guidelines.	tures and op ately, followi	perate	The student has not learned to use sentence structures and operate them appropriately, following the high school learning guidelines.
Achieveme	nt 4			tten in English, ne text outline,	The student ca written in Engl the text outline extract necess	ish, understa e, read and	and	The student can not read sentences written in English, understand the text outline, read and extract necessary information.
Achieveme	nt 5		English pronu accent rules s can speak clea	has well acquired nciation skills and o that the student arly and to the listener.	The student h English pronun accent rules so can speak clea communicate t	ciation skills that the sturly and	udent	The student has not acquired English pronunciation skills and accent rules so that the student can speak clearly and communicate to the listener.
Assigned	l Denart	tment Ol			100			
Teaching	•		5]0001705					
Outline	, Metrio	Based o	reading skills. To	school learned con acquire the ability abulary knowledge	to listen and ex	and the bas	ic stru e Engli	acture of English sentences and ish sentences. To perform word
Style		Attend t	he classes, prepa	are for the classes s	studvina the rele	evant section	ns of t	he workbook.
,			•	in the first week.				and it in detail.
Notice		Only 7.5	5-absence will be		and develop list	ening ability	· .	
Characte	ristics o	ot Class /	' Division in Le	earning	ı			T== -
☐ Active L	earning		☐ Aided by I	СТ	☑ Applicable t	o Remote C	lass	☐ Instructor Professionally Experienced
Courses	lan							
Course P	ıaıı		Thoma			Coala		
			Theme Course guidance	<u> </u>		Goals		
		1st		s method, learning	method, etc.)			se content and assignments.
		2nd	Chapter 1 Part 1	/2		understand	Engli	ntent learned in junior high school sh language basic structure.
		3rd	Chapter 1 Part 2	2/3		Based on thunderstand	ne con Engli	itent learned in junior high school sh language basic structure.
1st Somosto 1	1st	4th	Chapter 1 Part 4 Language and C	ulture Workshop		Understand through au	ling th	ne cross-cultural communication c materials.
	Quarter	5th	Chapter 2 Part 1	./2		Based on thunderstand	ne cor Engli	ntent learned in junior high school sh language basic structure.
		6th	Chapter 2 Part 2	1/3		Based on th	ne cor	ntent learned in junior high school sh language basic structure.
			Chapter 2 Dart 4				ling th	ne cross-cultural communication
		7th	Chapter 2 Part 4 Language and C	ulture Workshop		through au	thenti	c materials.

		9th	Chapter 3 Part 1/2	2		Learn the vocab	ulary and gram	nmar rules set as
		10th	Chapter 3 Part 2/3	3			ulary and gram	nmar rules set as
		11th	Chapter 3 Part 4 Language and Cul	ture Workshop		Understanding t		al communication
	2nd	12th	Chapter 4 Part 1/2	2		Learn the vocab lesson tasks.	ulary and gram	nmar rules set as
	Quarter	13th	Chapter 4 Part 2/3	3		Learn the vocab lesson tasks.	ulary and gram	nmar rules set as
		14th	Chapter 4 Part 4 Language and Cul	ture Workshop		Learn the vocab lesson tasks.	ulary and gram	nmar rules set as
		15th	Review			Understanding t learned so far a	he weak points nd preparing fo	on the content or the exam.
		16th	Final exam			Test the student learned so far.	t understanding	g of the content
		1st	Return and explai	n final exam		To overcome we	eak points	
		2nd	Chapter 5 Part 1/2	2		Learn the vocab lesson tasks.	ulary and gram	nmar rules set as
		3rd	Chapter 5 Part 2/3	3		Learn the vocab lesson tasks.	ulary and gram	nmar rules set as
	24	4th	Chapter 5 Part 4 Language and Cul	ture Workshop		Understanding t	he cross-cultur tic materials.	ral communication
	3rd Quarter	5th	Chapter 6 Part 1/2	2		Learn the vocab lesson tasks.	ulary and gram	nmar rules set as
		6th	Chapter 6 Part 2/3	3		Learn the vocab lesson tasks.	ulary and gram	nmar rules set as
		7th	Chapter 6 Part 4 Language and Cul	ture Workshop		Understanding t		al communication
2nd		8th	Language and Cul	ture Workshop		Understanding t	he cross-cultur tic materials.	al communication
Semeste r		9th	Chapter 7 Part 1/2	2		Learn the vocab lesson tasks.	ulary and gram	nmar rules set as
		10th	Chapter 7 Part 2/3	3		Learn the vocab lesson tasks.	ulary and gram	nmar rules set as
		11th	Chapter 7 Part 4 Language and Cul	ture Workshop		Understanding t through authent	he cross-cultur tic materials.	ral communication
	4th	12th	Chapter 8 Part 1/2	2		Learn the vocab lesson tasks.	ulary and gram	nmar rules set as
	Quarter	13th	Chapter 8 Part 2/3	3		Learn the vocab lesson tasks.	ulary and gram	nmar rules set as
		14th	Chapter 8 Part 4 Language and Cul	ture Workshop		through authent	tic materials.	ral communication
		15th	Review			Understanding t learned so far a	he weak points nd preparing fo	on the content or the exam.
		16th	Final exam			Test the student learned so far.	t understanding	g of the content
Evaluati	on Meth	od and \	Weight (%)					
		amination	Assignments	Quizes	Behavior	Portfolio	Other	Total
Subtotal	50		10	40	0	0	0	100
Basic Proficience			10	40	0	0	0	50
Specialize Proficience	y U		0	0	0	0	0	0
Cross Are Proficience	a y 50		0	0	0	0	0	50

Al	kashi Co	ollege	Year	2022		Course Title	English I B
Course I	Informa	tion				TICIC	
Course Co		4108			Course Categor	y General	/ Compulsory
Class Form	nat	Lecture			Credits	School C	Credit: 2
Departmer	nt	Electrical	and Computer I	Engineering	Student Grade	1st	
Term		Year-rour	nd		Classes per We	ek 2	
Textbook Teaching N		(1) Vision	Quest (参考書·	・教科書・Workboo	k) (2) データベ-	-ス4500 5th Ec	lition (3) ネクステージ 4th Edition
Instructor		INOUE Hi	detoshi				
3) 平易な	既習の文法 既習の語彙 英語で書か	たに加え、高等 の定着を図り いれた文章を認	読み、その概要を:	領に準じた文法を習 指導要領に準じた新 把握し必要な情報を 、英語の発音・アク	読み取ることができ	きる。	
Rubric							
			理想的な到達し		標準的な到達レイ	ベルの目安	未到達レベルの目安
1) 中学で 等学校学習 を習得して	指導要領に	はに加え、高 に準じた文法 目できる。	高等学校学習指 法を十分に習得 きる。	議導要領に準じた文 詳して適切に運用で	高等学校学習指導 法を習得して適切		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ない 。
り、高等学	校学習指導	意の定着を図 事要領に準じ こ適切に運用	高等学校学習指 出語彙を十分に 用できる。	導要領に準じた新 習得して適切に運	高等学校学習指導 出語彙を習得して る。	導要領に準じた新 て適切に運用でき	高等学校学習指導要領に準じた新 出語彙を習得して適切に運用でき ない。
	概要を把握	かれた文章を 屋し必要な情 ごきる。		かれた文章を読み 握し必要な情報を ことができる。	平易な英語で書た 、その概要を把扱 読み取ることがで	屋し必要な情報を	
発話ができ	るよう、英の規則を習	こわるような き語の発音・ 習得して適切	ができるよう、	伝わるような発話 英語の発音・アク 十分に習得して適	明瞭で聞き手に依ができるよう、ず セントの規則を習 用できる。	英語の発音・アク	ができるよう、英語の発音・アク
Assigned	d Depar	tment Obj	jectives				
Teaching	g Metho	d					
Outline				必要な文法事項を定	着させコミュニケ-	ーション能力を養	成する。語彙増強も念頭に置き、英
Style		1	化力を高める。 水油の該当筒所を		単度オススレ		
Style						遅刻や欠席による	
Notice		合格の対象	えとしない欠席条件	件(割合) 1/4以」	上の欠課		
Characte	eristics (of Class /	Division in Le	earning			_
□ Active	Learning		☑ Aided by I	СТ	☑ Applicable to	Remote Class	☐ Instructor Professionally Experienced
6 5							
Course F	Plan					CI-	
			heme S業ガ <i>ノば</i> いフ (Goals 哲学内容や調節/	
				12条0)连1]刀法、于			として設定されている語彙・文法など
		2nd 3	文の種類 			を習得する。	
		3rd 3	文型と動詞 1			レッスンの課題。 を習得する。	として設定されている語彙・文法など
	1st	4th	文型と動詞 2			レッスンの課題でを習得する。	として設定されている語彙・文法など
	Quarter	5th	寺制 1			レッスンの課題 c を習得する。	として設定されている語彙・文法など
		6th	寺制 2			レッスンの課題で を習得する。	として設定されている語彙・文法など
1 ot		7th	果題チェック、振	り返り		これまでの学習F 解度の定着を目持	内容の振り返りと質疑応答を通して理 皆す。
1st Semeste		8th -	中間試験実施			これまでの学習に	内容の理解力を試す。
r		9th -	中間試験返却およ	び解説		今後に向けての記	果題発見と対策を検討する。
		10th 5	完了形 1			レッスンの課題 c を習得する。	として設定されている語彙・文法など
		11th 5	完了形 2			レッスンの課題 c を習得する。	として設定されている語彙・文法など
I I	2nd Ouarter	12th	功動詞 1			を習得する。	として設定されている語彙・文法など
		13th	加動詞 2			レッスンの課題 o を習得する。	として設定されている語彙・文法など
		14th	功動詞 3			レッスンの課題。 を習得する。	として設定されている語彙・文法など
		15th	果題チェック、振	り返り		これまでの学習 解度の定着を目	内容の振り返りと質疑応答を通して理 旨す。

		16th	期末試験実施	İ		これま	での学習内容の理解	引を試す。
		1st	受動態				文化に関する映像や 解を深める。)資料を利用し、異文化に対
		2nd	不定詞 1			文法事ョンで	項の理解と定着に加 使える英語力を目指	コえ、実際のコミュニケーシ 旨す。
		3rd	不定詞 2				項の理解と定着に加 使える英語力を目指	コえ、実際のコミュニケーシ 旨す。
	3rd Ouarter	4th	不定詞 3				文化に関する映像や 解を深める。	9資料を利用し、異文化に対
	Quarter	5th	動名詞				項の理解と定着に加 使える英語力を目指	コえ、実際のコミュニケーシ 旨す。
		6th	分詞 1			文法事ョンで	項の理解と定着に加 使える英語力を目指	lえ、実際のコミュニケーシ 旨す。
2nd		7th	課題チェック	、振り返り			での学習内容の振り 定着を目指す。)返りと質疑応答を通して理
Semeste		8th	中間試験実施	İ		これま	での学習内容の理解	『力を試す。
r		9th	中間試験返却	および解説		今後に	向けての課題発見と	_対策を検討する。
		10th	分詞 2				文化に関する映像や 解を深める。	9資料を利用し、異文化に対
		11th	関係詞 1				項の理解と定着に加 使える英語力を目指	『え、実際のコミュニケーシ 旨す。
	4th	12th	関係詞 2			文法事ョンで	項の理解と定着に加 使える英語力を目指	コえ、実際のコミュニケーシ 旨す。
	Quarter	13th	関係詞 3				項の理解と定着に加 使える英語力を目指	コえ、実際のコミュニケーシ 旨す。
		14th	比較1			文法事ョンで	項の理解と定着に加 使える英語力を目指	コえ、実際のコミュニケーシ 旨す。
		15th	ワークチェッ	ク、振り返り			での学習内容の振り 定着を目指す。)返りと質疑応答を通して理
		16th	期末試験			これま	での学習内容の理解	弾力を試す。
<u>Evaluat</u>	ion Meth	nod and	Weight (%)				
		試験		課題提出	小テスト		その他	Total
Subtotal		60		20	20		0	100
基礎的能力		60		20	20		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 2022		(Course Title	Introduction to Active Learning
Course Inform	ation	•					
Course Code	4109			Course Categor	У	General	/ Compulsory
Class Format	Semina	r		Credits		School (Credit: 1
Department	Electric	al and Comput	ter Engineering	Student Grade		1st	
Term	First Se	mester		Classes per We	ek	2	
Textbook and/or Teaching Material	g 授業内で	で適宜資料を配布	でする。				
Instructor	TAKEDA	A Naho,HIRAN	O Masatsugu,ARAKI	Yuki,ANDO Yuta			
Course Object	ives						
以上の科目の目的を 1) 他者とコミュニク 2) 他者の話を聴こう 3) 自分自身を振り	終性づくりの表 ふまえ、以下 ケーションを うとすること	下の3点を到達店 取ろうとするこ ができる。	目標とする。	こチームでの問題解	決に取	り組み、鼠	最適解を目指す学びを体験する。
Rubric				T			T
評価項目1		他者とコミ	<u>達レベルの目安</u> ュニケーションを取る	標準的な到達レク	アーシ	ョンを取る	
評価項目2		ことができ 他者の話を	<u>る。</u> 聴くことができる。	うとすることがで 他者の話を聴こう きる。			うとすることができない。 で 他者の話を聴こうとすることがて 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。	えろう	とすること	
Assigned Depa	artment 0	hiectives		110 00 00			
Teaching Meth		2,000.702					
Outline	高等教育では、自	1他を知り、学び	事では「自ら課題を設定 があう関係性をあたため こおける基礎的な力を身	り、チームでの問題的	解決に	取り組み、	出す」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
Style	個人ワー の出した 力などを 授業計画	-クの成果物でキ ニ答えまでの筋道 ニ評価します。	フークを通じて、さまさ 判断します。また、評価 首を整理する論理的思考 旦当教員が、分担して詩	Iボイントしては、 ³ 対、相手のフィー	学びま それぞ ドバッ	す。成績i れの成果物 クを受けi	平価は、講義内でのグループワーク、 勿の中で、相手に伝わる表現力、自分 似ってから自分の考えを内省する内省
	合格の対	対象としない欠歴	· 常条件(割合): 1/4以上	の欠課。			
Notice	学生同士 	この議論等を中心で学びが豊かにな	いに参加型学習の手法に よるため、学びの場を共	こよって展開します。 はにつくる過程に積	。 自ら <u>亟</u> 的に	の考えを声	^告 に出し、他者の声に丁寧に耳を傾け ください。
Characteristics	•						
☑ Active Learning		☑ Aided b		☑ Applicable to	Rem	note Class	☐ Instructor Professionally Experienced
Course Plan							
		Theme			Goals	;	
	1st	オリエンテー	ション(全員)				的を理解する。
	2nd	自己紹介&お	互いを知ろう(武田、芹				る仲間について知る。
	3rd	科学的な文章	表現(武田)		根拠と からた る。	:なる論文 :る文章を	を適切に引用して、序論・本論・結 作成して自身の主張を示すことができ
		+			ەرد		

Course	Plan			
			Theme	Goals
		1st	オリエンテーション(全員)	授業の概要と目的を理解する。
		2nd	自己紹介&お互いを知ろう(武田、荒木)	共に授業を受ける仲間について知る。
		3rd	科学的な文章表現(武田)	根拠となる論文を適切に引用して、序論・本論・結論 からなる文章を作成して自身の主張を示すことができ る。
	1st	4th	問題定義の基礎(武田)	現状と目標の明文化により問題を定義した上で、発想 法を用いて問題の解決策を提案することができる。
	Quarter	5th	問題定義の応用(荒木)	問題定義の技術や発想法を活用し、他者へのヒアリング内容をもとに問題の定義や解決策について検討する。
		6th	コミュニケーション①(荒木)	対話的なコミュニケーションに必要な傾聴と質問の技 術について理解し、実践する。
1st Semeste		7th	コミュニケーション②(安藤)	さまざまな問題・課題を論じるために必要なディスカッションの手法について理解し、実践する。
ľ		8th	チームワーク①(平野)	仲間との学び合いを実践する。
		9th	チームワーク②(平野)	チームでの問題解決を実践する。
		10th	答えのない問い 社会編① (荒木)	複雑性や不確実性の高い社会の中で対象を分析するための様々な手法を理解する。
	2nd	11th	答えのない問い 社会編②(荒木)	複雑性や不確実性の高い社会の中で価値を創造するための考え方を理解する。
	Quarter	12th	答えのない問い 科学編①(安藤)	科学技術と社会の関係を踏まえて、専門分野間の共通 点・相違点を知り、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)	科学技術と社会の関係を踏まえて、立てた問いや導い た答えを伝える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	振り返り、これからの学び ことができる。
		16th				
Evaluation	on Meth	od and \	Weight (%)			
		レオ	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		20		10	20	50
分野横断的	能力	20		10	20	50

Α	Akashi Co	ollege	Year	2022		Course Title	Exercise in Data Science
Course	Informa	tion		•			
Course Co	ode	4111			Course Category	y General /	Compulsory
Class For	mat	Lecture			Credits	School C	redit: 1
Departme	ent	Electrical a	nd Computer E	ngineering	Student Grade	1st	
Term		Second Se	mester		Classes per Wee	ek 2	
Textbook Teaching	and/or Materials					<u>.</u>	
Instructo	r	TSUCHIDA	Takayuki,NOM	IURA Hayato,ENON	1OTO Ryuji		
Course	Objectiv	es					
intelligene Can expla Can expla	ce. ain an ove ain an ove	view of comp view of inform	uters and netw nation security		cyberattacks and	defense.	e learning, and artificial (Python).
Rubric					_		
			Ideal Level		Standard Level		Unacceptable Level
Achievem	nent 1		and application	chnology, such as learning, and	Can explain an of application examination techniques. In a partificial intelligents of the control of the contr	nples of nnology, such as arning, and	Cannot explain an overview and application examples of information technology, such as IoT, machine learning, and artificial intelligence
Achievem	nent 2		computers and		Can explain an computers and		Cannot explain an overview of computers and networks
Achievem	nent 3		information se	ain an overview of curity and yberattacks and	Can explain an of information secure examples of cyb defense	urity and	Cannot explain an overview of information security and examples of cyberattacks and defense
Assigne	ed Depar	tment Obje	ectives				
Teachin	ng Metho	od					
Outline		real-world other prac conducted developme	issues and hov tical examples by a faculty ment.	v to resolve them a in society by utilizi	appropriately throng mathematics.	ough exercises, data science, a	nce/AI." Students will learn about using real data and issues, and nd AI. This lecture will be Idleware (database) research and
Ct. 1		i Students v	vill practice pro	gramming, data ai	nalytics, and anal	lvsis with examı	bles using the Python program.
Style		Quizzes wi quizzes an	II be conducted d submitted wo	l every lesson to te ork which serve as	est students' unde tests.	erstanding. Stud	oles using the Python program. dents will be evaluated based on
Notice		Quizzes wi quizzes an Students v	II be conducted d submitted wo who miss 1/3 or	l every lesson to te ork which serve as r more of classes v	est students' unde tests.	erstanding. Stud	dents will be evaluated based on
Notice	ceristics	Quizzes wi quizzes an Students v	II be conducted d submitted wo	l every lesson to te ork which serve as r more of classes v	est students' unde tests.	erstanding. Stud	rade.
Notice Charact	ceristics Learning	Quizzes wi quizzes an Students v	II be conducted d submitted wo who miss 1/3 or	l every lesson to to ork which serve as r more of classes v earning	est students' unde tests.	erstanding. Stude	dents will be evaluated based on
Notice Charact ☑ Active	Learning	Quizzes wi quizzes an Students v	ill be conducted d submitted wo who miss 1/3 or Division in Le	l every lesson to to ork which serve as r more of classes v earning	est students' unde tests. vill not be eligible	erstanding. Stude	rade. Instructor Professionally
Notice Charact ☑ Active	Learning	Quizzes wi quizzes an Students v of Class / E	ill be conducted d submitted wo who miss 1/3 or Division in Le	l every lesson to to ork which serve as r more of classes v earning	est students' under tests. vill not be eligible Applicable to	erstanding. Stude	rade. Instructor Professionally
Notice Charact ☑ Active	Learning	Quizzes wi quizzes an Students v of Class / D	Ill be conducted d submitted wo who miss 1/3 or Division in Le	l every lesson to to ork which serve as r more of classes v earning	est students' under tests. vill not be eligible Applicable to	erstanding. Studential for a passing government of the Remote Class Goals	rade. Instructor Professionally
Notice Charact ☑ Active	Learning	Quizzes wi quizzes an Students v of Class / D	Ill be conducted d submitted wo who miss 1/3 or Division in Le	l every lesson to te ork which serve as r more of classes v earning	est students' under tests. will not be eligible Applicable to	erstanding. Students of the control	rade. Instructor Professionally Experienced
Notice Charact ☑ Active	Learning	Quizzes wi quizzes an Students v of Class / E	Ill be conducted d submitted wo who miss 1/3 or Division in Le	rogramming (1)	est students' under tests. vill not be eligible Applicable to	erstanding. Students of the Post of the Po	rade. ☑ Instructor Professionally Experienced
Notice Charact ☑ Active	Learning	Quizzes wi quizzes an Students v of Class / E	Ill be conducted d submitted wo who miss 1/3 or Division in Le	revery lesson to teach which serve as more of classes wearning T rogramming (1) rogramming (2)	est students' under tests. vill not be eligible Applicable to	erstanding. Students of the Post of the Po	rade. Instructor Professionally Experienced ogramming syntax ogramming syntax ogramming syntax ogramming syntax ogramming syntax ogramming syntax ogramming syntax ogramming syntax ogramming syntax olementing deep learning through
Notice Charact ☑ Active	Learning	Quizzes wi quizzes an Students v of Class / E	Ill be conducted d submitted wo who miss 1/3 or Division in Le	revery lesson to te ork which serve as remore of classes vearning CT programming (1) programming (2) programming (3)	est students' under tests. vill not be eligible Applicable to	erstanding. Students of the Remote Class Goals Learn Python pr Learn Python pr Learn Python pr Learn about imp the use of samp Learn about over	rade. Instructor Professionally Experienced ogramming syntax ogramming syntax ogramming syntax ogramming syntax ogramming syntax ogramming syntax ogramming syntax ogramming syntax ogramming syntax olementing deep learning through
Notice Charact ☑ Active	Plan 3rd	Quizzes wi quizzes an Students v of Class / E	Ill be conducted d submitted wo who miss 1/3 or Division in Le	revery lesson to teach which serve as more of classes wearning T rogramming (1) rogramming (2) rogramming (3)	est students' under tests. vill not be eligible Applicable to	erstanding. Students of a passing general Remote Class Goals Learn Python precent Python precent Python precent Python precent Python precent about impetite use of sample Learn about over point of view of also given to appoint of a passing students of the sample of	Instructor Professionally Experienced ogramming syntax ogramming syntax ogramming syntax ogramming deep learning through le codes erview of deep learning from the control system, and attention is
Notice Charact Active Course	Plan 3rd	Quizzes wi quizzes an Students v of Class / E	Ill be conducted d submitted wo who miss 1/3 or Division in Le	revery lesson to te ork which serve as r more of classes vearning carning carning (1) regramming (2) regramming (3) control system	est students' under tests. vill not be eligible Applicable to	erstanding. Students of a passing general Remote Class Goals Learn Python preserved the use of sample the use of sample Learn about over point of view of also given to ap Can demonstrate server	Instructor Professionally Experienced ogramming syntax ogramming syntax ogramming syntax olementing deep learning through le codes erview of deep learning from the control system, and attention is plied problems in control system
Notice Charact Active Course 2nd Semeste	Plan 3rd	Quizzes wi quizzes an Students voof Class / E	Ill be conducted d submitted wo who miss 1/3 or Division in Le Div	revery lesson to teach which serve as a more of classes wearning To regramming (1) rogramming (2) rogramming (3) control system is (1) is (2) · Mutual Eva	est students' under tests. vill not be eligible Applicable to	erstanding. Students of a passing general Remote Class Goals Learn Python precent Python precent Python precent about impered to sample the use of sample and about over point of view of also given to ap Can demonstrate Server Can demonstrate a passing server Can demonstrate a passing server Can demonstrate a passing server	Instructor Professionally Experienced □ Instructor Professionally Experience
Notice Charact	Plan 3rd	Quizzes wi quizzes an Students v of Class / E	Ill be conducted d submitted wo who miss 1/3 or Division in Le Div	revery lesson to teach which serve as a more of classes wearning To regramming (1) rogramming (2) rogramming (3) control system is (1) is (2) · Mutual Eva	est students' under tests. vill not be eligible Applicable to I I I I I I I I I I I I I	erstanding. Students of a passing generated Remote Class Remote Class Remote Class Rearn Python properties of the passing given to appoint of view of also given to appoint of view of view of view of view of view of view of view of view of view of view of view of v	Instructor Professionally Experienced □ Instructor Professionally Experienced
Notice Charact ✓ Active Course 2nd Semeste	Plan 3rd Quarter	Quizzes wi quizzes an Students voof Class / E	Ill be conducted d submitted wo who miss 1/3 or Division in Le Div	revery lesson to teach which serve as a more of classes wearning T rogramming (1) rogramming (2) rogramming (3) control system is (1) is (2) • Mutual Evaluation and programing services and programing services and programing services and programming services and pr	est students' under tests. vill not be eligible Applicable to Compared to the state of the st	Goals Learn Python pr Learn Python pr Learn Python pr Learn Bout imp the use of samp Learn about imp the use of samp Learn about ove point of view of also given to ap Can demonstrat Server Can demonstrat Mutual Evaluatio Check a comput performance by creating a simpl Python Learn how to w	Instructor Professionally Experienced Ogramming syntax Ogramming syntax Ogramming syntax Ogramming syntax Olementing deep learning through le codes Prview of deep learning from the control system, and attention is plied problems in control system e data visualization using a web e a simple regression analysis e simple clustering (k-means) ⋅ ons between students er's configuration and
Notice Charact ☑ Active Course 2nd Semeste	Plan 3rd Quarter	Quizzes wi quizzes an Students voof Class / E	ill be conducted d submitted wo who miss 1/3 or Division in Le	revery lesson to tearly which serve as a more of classes wearning T rogramming (1) rogramming (2) rogramming (3) control system is (1) is (2) • Mutual Evaluation and programing and programing and programing and programing and programing and programing	est students' under tests. vill not be eligible Applicable to Compared to the state of the st	Goals Learn Python pr Learn Python pr Learn Python pr Learn Bout imp the use of samp Learn about imp the use of samp Learn about ove point of view of also given to ap Can demonstrat Gan demonstrat Gan demonstrat Mutual Evaluatic Check a comput performance by creating a simpl Python Learn how to w processing in Py Automate file pr to optimize simpl	Instructor Professionally Experienced □ Instructor Professionally Experience

		13th	N	etwork processir	ng (1)		Learn how to aut programming	omate web-relat	ed tasks by	
		14th	N	Network processing (2)			Learn more about handling Internet communication through Python			
		15th	S	ecurity and sumn	mary of studies		Reproduce vulnerable websites in Python and learn about the need for security by verifying thei behavior Review the previous exercises and learn how they relate to each other and how they can be combined to build a system			
		16th	Fi	inal exam			None			
Evaluati	on M	ethod and	d We	eight (%)						
		Examinatio	n	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total	
Subtotal		0		0	0	0	100	0	100	
Basic Proficiency	У	0		0	0	0	40	0	40	
Specialize Proficiency		0		0 0 0		0	40	0	40	
Cross Area Proficiency		0		0	0	0	20	0	20	

A	kashi Co	ollege	Year	2022		Course Title	Music
Course	Informa	tion					
Course Co	ode	4112			Course Categor	y Gener	al / Elective
Class For	mat	Skill			Credits	Schoo	l Credit: 2
Departme	ent	Electrical a	and Computer E	Engineering	Student Grade	1st	
Term		Year-roun	d		Classes per We	ek 2	
Textbook Teaching		①歌いやす	い合唱曲の楽譜	②コードネームに	関するプリント ③	音楽 I Tutti+(教育出版)
Instructor	r	IZUMI Yuk	ка				
1. 発声とる 2. コード 3. リコーク 4. 音楽的	ネームの基 ダーの基礎	を習得し、実践 歴を習得してい を習得し、実践	桟できる。 ∖る。 銭できる。 ∑企画・実践でき	·3.			
Rubric			田相的大河小寺」		無洗めれるいましょ		+제상 에 스모호
			理想的な到達し		標準的な到達レク		未到達レベルの目安 ・
評価項目1			、自在に実践で		発声と合唱の基础 できる。		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。	基礎を習得して	い。 コードネームの基礎を習得できない。
評価項目3	1		リコーダーの基 、自在に実践で	礎を十分に習得し きる。	リコーダーの基础 できる。	楚を習得し、実	選 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		する 音楽的なパフォーマンスについて 企画・実践できない。
Assigne	ned Department Objectives						
	g Metho		05/0001705				
Outline	. 9	音楽を通し	て自分自身を表す を洋の東西を問		ちまたに溢れる使い	ハ捨ての音楽だ	だけでなく、時代を経ても生き残る本物
Style			して音楽表現の	実技形式で進める。			
Notice				なる。自己の下りてし	。 リコーター(笙貝	!)・ピアニル(・	しめれば)を用息すること。
	eristics	実務経験: 具体的かつ	としない欠席条(声楽家として国际 最新の情報でも Division in Le T	内外でのリサイタル って指導できる。 	。 リコーター(宝真))欠課。 やオーケストラと(D・ビアーカ(* の共演があり、 	もしあれば)を用意すること。 その経験を活かして、学生に音楽上の
Charact		実務経験: 具体的かつ	声楽家として国际 最新の情報でも	内外でのリサイタル って指導できる。 earning	。 ワコーター(全員) クス課。 やオーケストラとの 図 Applicable to	の共演かあり、 	その経験を活かして、字生に音楽上の
Charact ☑ Active	Learning	実務経験: 具体的かつ	声楽家として国际 最新の情報でも Division in Le	内外でのリサイタル って指導できる。 earning	*************************************	の共演かあり、 	その経験を活かして、字生に音楽上の Instructor Professionally
Charact ☑ Active	Learning	美務経験: 具体的かつ of Class / [声楽家として国 最新の情報でも・ Division in Le	内外でのリサイタル って指導できる。 earning	*************************************	の共演があり、 o Remote Cla	その経験を活かして、字生に音楽上の Instructor Professionally
Charact ☑ Active	Learning	実務経験: 具体的かつ Of Class / [声楽家として国际 最新の情報でも・ Division in Le □ Aided by Io heme ペート分け、グル	内外でのリサイタル って指導できる。 earning CT ープ分け、ストレッ	やオーケストラとの ☑ Applicable to	の共演かあり、 	その経験を活かして、学生に音楽上の ss ☑ Instructor Professionally Experienced
Charact ☑ Active	Learning	実務経験: 具体的かつ of Class / [Ti 1st / fi	声楽家として国际 最新の情報でも・ Division in Le □ Aided by It heme ペート分け、グル 単な2声の曲を影	内外でのリサイタル って指導できる。 earning CT ープ分け、ストレッ 欠ってみる	やオーケストラとの ☑ Applicable to	の共演かあり、 o Remote Cla Goals 簡単な2声のは	その経験を活かして、学生に音楽上の ss ☑ Instructor Professionally Experienced aが歌える。
Charact ☑ Active	Learning	実務経験: 具体的かつ of Class / [TI 1st 質 2nd 合	声楽家として国际 最新の情報でも・ Division in Le □ Aided by Iu heme 『ト分け、グル 『単な2声の曲を歌 『唱のためのエチ	内外でのリサイタル つて指導できる。 earning CT 一プ分け、ストレッ 欠ってみる ユード I	やオーケストラとの ☑ Applicable to	の Remote Cla Goals 簡単な2声のは ピアノ伴奏の	その経験を活かして、学生に音楽上の ss ② Instructor Professionally Experienced aが歌える。 けいた簡単な曲が歌える。
Charact ☑ Active	Learning	美務経験: 具体的かつ of Class / E	声楽家として国际 最新の情報でも・ Division in Le □ Aided by Io heme ペート分け、グル 同単な2声の曲を いっためのエチ いっためのエチ	内外でのリサイタル つて指導できる。 earning CT 一プ分け、ストレッ かってみる ユード I ユード I	プ Applicable to	の Remote Cla Goals 簡単な2声のは ピアノ伴奏の ピアノ伴奏の	その経験を活かして、学生に音楽上の ss ② Instructor Professionally Experienced aが歌える。 けいた簡単な曲が歌える。
Charact ☑ Active	Plan lst	美務経験: 具体的かつ of Class / [コ 1st 間 2nd 合 3rd 合 4th コ	声楽家として国际 最新の情報でも・ Division in Le □ Aided by Iu heme ペート分け、グル ドロンをでいるのと ドロのためのエチ い間のためのエチ い間のためのエチ	内外でのリサイタル つて指導できる。 earning CT ープ分け、ストレッ かってみる ユード I ユード II 礎 I	プ Applicable to	の Remote Cla Goals 簡単な2声の曲 ピアノ伴奏の ピアノ伴奏の 最も簡単な3系	その経験を活かして、学生に音楽上の ss ② Instructor Professionally Experienced が歌える。 けいた簡単な曲が歌える。 けいた簡単な曲が歌える。 ついた簡単な曲が歌える。
Charact ☑ Active	Plan	実務経験: 具体的かつ of Class / E コ コ コ コ コ コ コ マ ロ ロ ロ ロ ロ ロ ロ ロ ロ ロ ロ ロ	声楽家として国際 最新の情報でも・ Division in Le □ Aided by Iu heme ペート分け、グル 『単な2声の曲を歌い唱のためのエチ ・唱のためのエチ ・唱のためのエチ ・「唱のためのエチ・「唱のためのエチ・「唱のためのエチ	内外でのリサイタル って指導できる。 earning CT ープ分け、ストレッ 吹ってみる ユード I ユード II 礎 I ユード II	プ Applicable to	の共演かあり、	その経験を活かして、字生に音楽上の ss ☑ Instructor Professionally Experienced aが歌える。 けいた簡単な曲が歌える。 けいた簡単な曲が歌える。 けいた簡単な曲が歌える。 コ音を理解する。 声部のJ・POPを合唱できる。
Charact ☑ Active	Plan lst	実務経験: 具体的かつ of Class / E	声楽家として国际 最新の情報でも・ Division in Le □ Aided by Iu heme ペート分け、グル ドロンをでいるのと ドロのためのエチ い間のためのエチ い間のためのエチ	A外でのリサイタル つて指導できる。 earning CT ープ分け、ストレッ かってみる ユード I ユード II 礎 I ユード II	・やオーケストラとの ☑ Applicable to ✓チ、発声練習、	の	その経験を活かして、学生に音楽上の ss ② Instructor Professionally Experienced が歌える。 けいた簡単な曲が歌える。 けいた簡単な曲が歌える。 ついた簡単な曲が歌える。
Charact Active Course	Plan lst	実務経験: 具体的かつ of Class / E TI 1st 解 2nd 合 3rd 合 4th コ 5th 合 6th 合	声楽家として国际 最新の情報でも・ Division in Le Aided by Iu heme 『一ト分け、グル。 『単な2声の曲を歌い唱のためのエチ・ 『目のためのエチ・ 『ロのためのエチ・ 『ロのためのエチ・ 『ロのためのエチ・ 『ロのためのエチ・	A外でのリサイタル つて指導できる。 earning CT ープ分け、ストレッ かってみる ユード I ユード II 礎 I ユード II ユード II ユード II	・やオーケストラとの ☑ Applicable to ✓チ、発声練習、	の (A) (A) (A) (A) (A) (A) (A) (A) (A) (A)	その経験を活かして、学生に音楽上の ss ☑ Instructor Professionally Experienced aが歌える。 付いた簡単な曲が歌える。 付いた簡単な曲が歌える。 ついた簡単な曲が歌える。 音を理解する。 声部のJ・POPを合唱できる。 程が正しくとれるようになる。
Charact Active Course	Plan lst	実務経験: 具体的かつ of Class / E	声楽家として国际 最新の情報でも・ Division in Le □ Aided by Iu heme 『ート分け、グル。『単な2声の曲を』。『唱のためのエチ・『日本	内外でのリサイタル つて指導できる。 earning CT ープ分け、ストレッ 次ってみる ユード I ユード II ユード II ユード II ユード II	・やオーケストラとの ☑ Applicable to ✓チ、発声練習、	の (Goals (新型な2声のは ピアノ伴奏の ピアノ伴奏の 最も簡単な3和 2声部または3 小人数でも音 小人数でもハる。 コートによる。	その経験を活かして、学生に音楽上の ss ☑ Instructor Professionally Experienced aが歌える。 付いた簡単な曲が歌える。 付いた簡単な曲が歌える。 可いた簡単な曲が歌える。 同音を理解する。 声部のJ・POPを合唱できる。 程が正しくとれるようになる。 ーモニーが美しく響かせられるようにな
Charact Active Course	Plan lst	実務経験: 具体的かつ of Class / E	声楽家として国际 最新の情報でも・ Division in Le □ Aided by Iu □	A外でのリサイタル つて指導できる。 earning CT ープ分け、ストレッ かってみる ユード I ユード II ユード II ユード IV ユード V ・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・	・やオーケストラとの ☑ Applicable to ✓チ、発声練習、	の (Goals (T) (日本) (日本) (日本) (日本) (日本) (日本) (日本) (日本	マの経験を活かして、学生に音楽上の Instructor Professionally Experienced Instructor Professional Experienced Instructor Professional Experienced Instructor Professional Experienced Instructor Professional Experienced Instr
Charact Active Course	Plan lst	実務経験: 具体的かつ of Class / E Ti 1st	声楽家として国际 最新の情報でも・ Division in Le □ Aided by Iu heme 『ート分け、グル。『単な2声の曲を歌い唱のためのエチ・唱のためのエチ・唱のためのエチ・唱のためのエチ・唱のためのエチ・唱のためのエチ・唱のためのエチ・唱のためのエチ・唱のためのエチ・唱のためのエチ・唱のためのエチ・唱のためのエチ・唱のためのエチ・唱のためのエチ・唱のためのエチ・唱のためのエチ・唱のためのエチ・唱のためのエチ・	内外でのリサイタルって指導できる。 earning CT ープ分け、ストレッ かってみる ユード I ユード II 礎 I ユード II ユード IV ユード V 健 I ユード V ロード V ロード VI	・やオーケストラとの ☑ Applicable to ✓チ、発声練習、	の (Goals 簡単な2声のは ピアノ伴奏の 最も簡単な3種 2声部までも3 小人数でもハース。 コー終練習。 グループ発表 グループ発表 グループ発表 グループ発表	マの経験を活かして、学生に音楽上の Instructor Professionally Experienced Instructor Professional Experienced Instructor Professional Experienced Instructor Professional Experienced Instructor Professional Experienced Instr
Charact Active Course	Plan 1st Quarter	実務経験: 具体的かつ of Class / E	声楽家として国际 最新の情報でも Division in Le □ Aided by Iu heme (ート分け、グル はな2声の曲を い唱のためのエチ い唱のためのエチ い唱のためのエチ い唱のためのエチ い唱のためのエチ い唱のためのエチ い唱のためのエチ い唱のためのエチ い唱のためのエチ い唱のためのエチ い唱のためのエチ い唱のためのエチ い唱のためのエチ い唱のためのエチ い唱のためのエチ	A外でのリサイタル つて指導できる。 earning CT ープ分け、ストレッ かってみる ユード II ユード II ユード IV ユード V ユード V ユード V ユード VI ユード VI	♥オーケストラとの ☑ Applicable to	の (Goals 簡単な2声のは ピアノ伴奏の 最も簡単な3種 2声部までも3 小人数でもハース。 コー終練習。 グループ発表 グループ発表 グループ発表 グループ発表	その経験を活かして、学生に音楽上の ss ② Instructor Professionally Experienced aが歌える。 付いた簡単な曲が歌える。 付いた簡単な曲が歌える。 可いた簡単な曲が歌える。 連が正しくとれるようになる。 ーモニーが美しく響かせられるようにない。 の練習と小テストグループ発表のためののための最終練習。 し、自己満足ではなく人に何かを伝えらる。 魅力を再発見する!
Charact Active Course	Plan lst	実務経験: 具体的かつ of Class / [声楽家として国际 最新の情報でも・ Division in Le Aided by Iu heme 「ト分け、グル 「単な2声の曲をいい。 「叫のためのエチ・ いっためのエチ・ いったりの基礎	内外でのリサイタルって指導できる。 earning CT 一プ分け、ストレッ かってみる ユード I ユード II ユード IV ユード VI ユード VI エード VI II II	♥オーケストラとの ☑ Applicable to	の (Goals) 簡単な2声のは ピアノ伴奏の 最も簡単な3科 2声がまたは3 2声がまたは3 小人数でもいる 3 小人数でもいる 3 小小る 3 上終れずでもいる 3 一がいるようである。 グルルようがある。 グルルようがある。 がいるようである。 がい。 ・ がいる。 ・ がいる。 ・ がいる。 ・ ・ ・ がいる。 ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・	その経験を活かして、学生に音楽上の ss ② Instructor Professionally Experienced aが歌える。 付いた簡単な曲が歌える。 付いた簡単な曲が歌える。 可いた簡単な曲が歌える。 連が正しくとれるようになる。 ーモニーが美しく響かせられるようにない。 の練習と小テストグループ発表のためののための最終練習。 し、自己満足ではなく人に何かを伝えらる。 魅力を再発見する!
Charact Active Course	Plan 1st Quarter	実務経験: 具体的かつ of Class / [声楽をして国際最新の情報でも・Division in Le □ Aided by Iu heme □ Aided by Iu heme □ Aided by Iu heme □ Aided by Iu heme □ Aided by Iu place	内外でのリサイタルって指導できる。 earning CT -プ分け、ストレックファン・ファン・ファン・ファン・ファン・ファン・ファン・ファン・ファン・ファン・	♥オーケストラとの ☑ Applicable to	の (Goals) 簡単な2声のは ピアノ伴奏の ピアノ(特別でもの) 最も部または3 2 小人人数でもいる。 一人人数でもいる。 一人人数でもいる。 一人人数でもいる。 でもいっぱいるようでもいっぱいの。 がいっぱいのでもいっぱいのでは、 がいっぱいのでは、 がいっぱいのでは、 がいっぱいのでは、 がいっぱいのでは、 がいっぱいでは、 はいではいでは、 はいでは、 はいでは、 はいでは、 はいでは、 はいなななななななななななななななななななななななななななななななななななな	FON EXPERIENCE TO TO TO TO TO TO TO TO TO TO TO TO TO
	Plan 1st Quarter	実務経験: 具体的かつ of Class / E	声楽をして可能 最新の情報でも Division in Le Division in Le Aided by Iu heme パート分け、グル 同単な2声の曲を パードネームのエチ い間のためのエチ に間のためのエチ に関いためのエチ に関いためのませ に関いためのませ に関いためのませ に関いためのまま に関いため。 に対している に対し	Ayr の Ayr での Ayr での Ayr である。 Ayr Thip できる。 CT -プ分け、ストレック カード I ユード II ユード II ユード V ユード V 雄 I ユード VI ユード VI ユード VII エード XII エード XII エード XII エード XII エート XII	♥オーケストラとの ☑ Applicable to	の (Goals) 簡単な2声のは ピアノ(特別でする) を表すのは ピアノ(特別でする) を表すのは でもしている。 一点のでものでもしている。 でもしている。 一点のでものでもいい。 でもいい。 でもいい。 でもいい。 でもいい。 でものでものでは、 では、 では、 では、 では、 では、 では、 では、	その経験を活かして、学生に音楽上の ss ☑ Instructor Professionally Experienced aが歌える。 付いた簡単な曲が歌える。 付いた簡単な曲が歌える。 けいた簡単な曲が歌える。 声部のJ・POPを合唱できる。 程が正しくとれるようになる。 ーモニーが美しく響かせられるようになの練習と小テストグループ発表のためののための最終練習。 し、自己満足ではなく人に何かを伝えらる。 魅力を再発見する! を吹ける。 野での自由な音楽パフォーマンスを企画
Charact Active Course	Plan 1st Quarter	実務経験: 具体的かつ of Class / [声楽をして国際 最新の情報でも・Division in Le Division in Le Di	Ayr でのアイタルので指導できる。 Parning CT -プ分け、ストレックフである ユード I ユード I - ロード I エード I - ロード V - ロード VI - ロード VI - ロード VI - ロード VI - ロード VI - ロード VI - ロード VI - ロード VI - ロード VI - ロード VI - ロード VI - ロード VI - ロード VI - ロード VI - ロード Ayr コート Ayr コ	♥オーケストラとの ☑ Applicable to	の (D) (D) (D) (D) (D) (D) (D) (D) (D) (D)	FONE RESTRUCT CONTROL TO THE PROPERTY OF THE
Charact Active Course 1st Semeste r	Plan 1st Quarter 2nd Quarter	実務経験: 具体的かつ of Class / E	声楽として目に 最新の情報でも・Division in Le Division in Le Di	内外でのアイタルので指導できる。 earning CT -プ分け、ストレックフード I ユード I	♥オーケストラとの ☑ Applicable to	の Remote Cla Goals 簡 ピアノ伴奏の と 世アノ 簡 またもも	その経験を活かして、学生に音楽上の ss ② Instructor Professionally Experienced aが歌える。 付いた簡単な曲が歌える。 付いた簡単な曲が歌える。 可いた簡単な曲が歌える。 音を理解する。 声部のJ・POPを合唱できる。 程が正しくとれるようになる。 ーモニーが美しく響かせられるようになの練習と小テストグループ発表のためののための最終練習。 し、自己満足ではなく人に何かを伝えらる。 魅力を再発見する! を吹ける。 野での自由な音楽パフォーマンスを企画 野での自由な音楽パフォーマンスを企画 「クラス発表会」 の短い4声部の曲で美しいハーモニーを歌う。
Charact Active Course 1st Semeste r	Plan 1st Quarter	実務経験: 具体的かつ of Class / E	声楽をして国際 最新の情報でも・Division in Le Division in Le Di	Ayr Taylor Tay	でオーケストラとの ☑ Applicable to	の Remote Cla Goals 「日本 で	その経験を活かして、字生に音楽上の ss ② Instructor Professionally Experienced aが歌える。 付いた簡単な曲が歌える。 付いた簡単な曲が歌える。 in the in it is is it

		4th	ア・カ	ペラに挑戦Ⅳ			グループ発表 演奏を集中し	会で演奏することだっ て聴く喜びを味わう。	けでなく、他の人の		
		5th	コード	ネームの基礎Ⅲ			前期に学習し ードを覚える		ブンスコード・分数コ		
		6th	コード	ネームの基礎IV				原則を覚えたコードを練習問題を繰り返すことで実際 の曲の中でも読み取れるようにする。			
		7th		ネームの基礎V の異なる楽曲を聞き」	比べる音楽鑑賞。		コードネーム ただ単に知識 切にする。	は第6週の復習。 を詰め込むだけでな	く、自分の感性を大		
		8th	コード	ドネームの基礎VI			小テストで知	識の確認。			
		9th	歌う喜び	びI			最新の現代人 スの男女構成	気作曲家による合唱! によってアレンジを	曲に挑戦する。クラ 変えることもある。		
		10th	歌う喜び	· 喜びI			できるだけ良	い発声と響きでもっ	て、曲の細部ま。		
		11th	歌う喜び	びⅢ			各自が良い響きを意識し、丁寧かつダイナミックな表現で全員で歌う喜びを実感する。				
	4th Quarter	12th	実技テク	ストのための企画・	練習 I		実技テストの ブル・ギター	ための企画ができる。 ソロ・ピアノソロ等。	、アカペラアンサン 、		
		13th	実技テス	ストのための企画・網			限られた時間	と設備の中で企画・	· 練習ができる。		
		14th	実技テス	ストのための企画・網	· 練習Ⅲ		練習を積み仕	 上げる。			
		15th	実技テク	スト兼「クラス発表:	 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	期末試	 験実施せず							
Evaluati	on Metl	nod and	Weiah	t (%)							
		出席状況		平常点	実技テスト		こはリコーダ 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		
				•	!	-		!	1		

Д	Akashi Co	ollege	Year	2022		_	ourse Title	Art
Course	Informa	tion						
Course Co	ode	4113			Course Categor	γ	General	/ Elective
Class Fori	mat	Skill			Credits		School C	redit: 2
Departme	ent	Electrical	and Computer	Engineering	Student Grade		1st	
Term		Year-rour	•		Classes per We	ek	2	
Textbook	and/or Materials			Publishing). Various				d in class.
Instructo	r	OHNO Ry	ohei					
	Objectiv							
1. Can ex 2. Can ap	press thin	gs in several vorks of art a	art forms. and comment or between real life	n them in groups. e and art.				
Rubric								
			Ideal Level		Standard Level			Unacceptable Level
			1	things freely in	Can express thi		several	Cannot express things in
Achievem	nent 1		several art for		art forms.	95	5010101	several art forms.
Achievem	nent 2			y appreciate works nment on them	Can appreciate comment on th			Cannot appreciate works of ar and comment on them in a group.
Achievem	nent 3		Fully understa relationship b	and the etween real life	Understand the between real lif			Do not understand the relationship between real life
		+	and art.		<u> </u>			and art.
	igned Department Objectives ching Method							
Teachin								
Outline		works (cla	sing things in d ay works), color to real life.	different art forms in (color materials),	ncluding 2-dimm ideas (images),	-dimmensional portraying (sketching), 3-dimm ages), students refine their sensitivity and learr		
Style		Classes ar			ical lessons on h	s on how to express things in different art form		
Notice		questions This cours motivated cleaning u	what art really se requires indiv l attitude. A F6- up the classroor	means. viduals to take thei -size sketchbook is mafter lessons are	r own initiative. sused in classes. mandatory.	Studen Do not	ts are re forget tl	iences to practical lessons, he quired to create art with a hings like tools. Tidying and
	ceristics	questions This cours motivated cleaning u Students	what art really se requires indiv l attitude. A F6- up the classroor	es as a contempora means. viduals to take their -size sketchbook is n after lessons are or more of classes v earning	r own initiative. sused in classes. mandatory.	Studen Do not e for a	ts are re forget the passing o	quired to create art with a nings like tools. Tidying and grade.
Charact		questions This cours motivated cleaning u Students	what art really se requires individual attitude. A F6-up the classroor who miss 1/4 or Division in Le	es as a contempora means. viduals to take their -size sketchbook is n after lessons are or more of classes v earning	r own initiative. used in classes. mandatory. vill not be eligible	Studen Do not e for a	ts are re forget the passing o	quired to create art with a nings like tools. Tidying and grade.
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Charact	Learning	questions This cours motivates cleaning u Students	what art really se requires individude. A F6- up the classroor who miss 1/4 or Division in Le	es as a contempora means. viduals to take their -size sketchbook is n after lessons are or more of classes v earning	r own initiative. used in classes. mandatory. vill not be eligible	Studen Do not e for a	ts are re forget the passing o	quired to create art with a nings like tools. Tidying and grade.
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Charact Active Course	Plan 1st Quarter	rist state of Class / Institute what art really se requires individe requires individence of the classroom who miss 1/4 or providence of the classroom who miss 1/4 or providence of the classroom of the classr	es as a contempora means. means. viduals to take their size sketchbook is mafter lessons are or more of classes v earning CCT lass content, tools, signments for the n sion using color ma sion using color ma sion using color ma splaining the assign	appreciation of ext class 1 terials (image terials	Studen Do not e for a o Remo Goals To dra To dra To dra To dra To dra To dra To dra To dra To dra To exp color n To exp color n To exp color n To exp color n To exp color n To exp color n To exp color n To exp color n To exp	w Sketch w S	1. 2. 3. 4. 5. 6. gs in an abstract art form using gs in an abstract art form using gs in an abstract art form using gs in an abstract art form using using in an abstract art form using gs in an abstract art form using grant	
Charact Active Course	Plan 1st Quarter	rist state of Class / Institute what art really se requires individe requires individe. A F6- up the classroor who miss 1/4 or Division in Lo Division in Lo Cheme Explaining the clayorks of art, assistetching 1 Exetching 3 Exetching 4 Exetching 4 Exetching 6 Exetching 6 Exetching 6 Exetching 6 Exetching 1 Exetching 7 Exetching 8 Exetching 8 Exetching 9 Exetching 1 Exetching 1 Exetching 1 Exetching 3 Exetching 3 Exetching 3 Exetching 4 Exetching 6 Exetching 7 Exetching 8 Exetching 8 Exetching 8 Exetching 9 Exetchi	es as a contempora means. means. viduals to take their size sketchbook is mafter lessons are or more of classes v earning CCT lass content, tools, signments for the n sion using color ma sion using color ma sion using color ma splaining the assign	appreciation of ext class 1 terials (image terials	Studen Do not e for a o Remo Goals To dra To dra To dra To dra To dra To dra To dra To dra To dra To exp color n To exp color n To exp color n To exp color n To exp color n To exp color n To exp color n To exp color n To exp	w Sketch w terials. ress thin naterials. ress thin naterials.	1. 2. 3. 4. 5. 6. gs in an abstract art form using gs in an abstract art form using gs in an abstract art form using gs in an abstract art form using using in an abstract art form using gs in an abstract art form using grant	
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Charact Active Course	Plan 1st Quarter	questions This cours motivates Students Students Students This cours Students Students This cours Students This cours This	what art really se requires individe requires individent of the classroom who miss 1/4 or the cl	es as a contempora means. means. viduals to take their size sketchbook is mafter lessons are or more of classes v earning CCT lass content, tools, signments for the n sion using color ma sion using color ma sion using color ma splaining the assign ag skeletal frame 1 drawing 1)	r own initiative. used in classes. mandatory. will not be eligible. Applicable to appreciation of ext class 1 terials (image	Studen Do not e for a o Remo Goals To dra To dra To dra To dra To dra To dra To dra To expcolor n To expcolor n To expcolor n To conform ir To dra To dra To dra To dra To dra To dra To dra To dra To dra To dra To dra To dra To dra To dra To dra To dra To dra	w Sketch w a Sketch on a Sketch	Instructor Professionally Experienced Instructor Professionally Experienced Instructor Professionally Experienced Instructor Professionally Experienced I. 2. 3. 4. 5. 6. gs in an abstract art form using gs in an abstract art form using gs in an abstract art form using using in an abstract art form using gs in an abstract art form using grades.
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Charact Active Course	Plan 1st Quarter	questions This cours motivates Students Stude	what art really se requires individe requires individe. A F6- up the classroor who miss 1/4 or produce of the p	es as a contempora means. means. widuals to take their size sketchbook is mafter lessons are or more of classes v earning CCT lass content, tools, signments for the n sion using color ma sion using color ma sion using color ma splaining the assign and skeletal frame 1 drawing 1) drawing 2) splaining the assign and skeletal frame 1 drawing 1) drawing 2)	r own initiative. used in classes. mandatory. will not be eligible. Applicable to appreciation of ext class 1 terials (image	Studen Do not e for a o Remo o	w Sketch w S	nuired to create art with a nings like tools. Tidying and grade. Instructor Professionally Experienced I. 2. 3. 4. 5. 6. gs in an abstract art form using gs in an abstract art form using gs in an abstract art form using gs in an abstract art form using gs in an abstract art form using gs in an abstract art form using gs in an abstract art form using gs in an abstract art form using gs in an abstract art form using gs in an abstract art form using gs in an abstract art form using graph works expressed in an abstract art form using

		4th	Fieldwork 3 (outdoor sketching, a landscapes and things)	nd memorable	To sketch outdoo	ors.
		5th	Group work / explaining the assignext class 5	nment for the	To comment on o	outdoor sketches in a group.
		6th	Design (creating a character 1)		To design a chara	acter.
		7th	Design (creating a character 2)		To design a chara	acter.
		8th	Design (creating a character 3)		To design a chara	acter.
		9th	Environmental art 1 (art work tha urban landscape / the relationship and society)		To appreciate en	vironmental art.
		10th	Environmental art 2 (art work tha urban landscape / the relationship and society)	t emerges into between art	To appreciate en	vironmental art.
	4th Quarter	11th	Environmental art 3 (art work tha urban landscape / the relationship and society)	t emerges into between art	To appreciate en	vironmental art.
		12th	Expressing ideas 1 (image training	9)	To express ideas.	
		13th	Expressing ideas 2 (image training	g)	To express ideas.	•
		14th	Expressing ideas 3 (image training	g)	To express ideas.	•
		15th	General review of art		To understand th	e content of general review.
		16th	No final exam			
Evaluat	ion Meth	nod and '	Weight (%)			
			Practical skill production	Attendance • E	3ehavior	Total
Subtotal		·	80	20		100
Basic Prof	ficiency		80	20	100	
Specialize	d Proficie	псу	0	0	0	
Cross Are	a Proficier	ncy	0	0		0

А	Akashi College Year Zourse Information Ourse Code 4115			2022		Cours Title	e E	Electric Circuits I
Course :	<u>Informat</u>	tion						
Course Co	ode	4115						
Class Forr	nat	Lecture			Credits	Acad	emic	Credit: 2
Departme	nt	Electrical	and Computer Er	ngineering	Student Grade	1st		
Term		Second S	emester	<u> </u>	Classes per Wee	ek 2		
Textbook Teaching			金原粲:電気回路改詞	丁版、実教出版	,	-		
Instructor		OHMUKA	I Masato					
Course	Objectiv							
[1] To un [2] To be [3] To un perform e	derstand t able to wr derstand t	he relations ite circuit e he relations	hips among charg quations, to solve hip between Thev ion and calculatio	them, and to per enin's theorem a	otential, and to b form calculation nd Norton's theo	e able to ex s using spec erem, to be	plain cific n able t	and calculate them. umerical values. o explain it, and to be able to
Rubric			Excellent		Good			Insufficient
1			The student ca the relationship current and pol able to explain them.	s among charge,	The student car relationships an current and pot able to explain t	nong charge ential, and t	2,	The student can not understand the relationships among charge, current and potential, and are not be able to explain them.
2	The scircu and tusing The sunder			able to write s, to solve them, calculations umerical values.	The student is a circuit equation:		!	The student is not able to write circuit equations.
3		The student is understand the between Theve and Norton's thable to perform equipment or perform and calcircuits.	relationship nin's theorem eorem, to be it, and to be able ivalent circuit	The student is a understand the between Theve and Norton's the able to explain in	relationship nin's theore eorem, and	m	The student is not able to understand the relationship between Thevenin's theorem and Norton's theorem.	
Assiane	d Depart	tment Ob	iectives	'				
	g Metho		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
Outline	g i icciio	The stud this cours	se, the target is to	o be able to calcul n of AC circuits to	ate the electric o	current, volt	age, i	rned at junior high school. In power etc. in circuits. DC circuits the basis of electric / electronic
Style		In this co master e understa	urse, the lectures	ll be conducted une students solve class, quizzes a	using supple e problems, nd task repo	ment solvii orts w	ary materials and texts. To ng problems leads to a better vill be conducted to ensure	
Notice		The cont	ent of this course		nd it includes self p to 5 absences	-learning tir are excused	ne. T	he students should strictly
Charact	eristics o	of Class /	Division in Lea	arnina				
☑ Active		<u> </u>	☐ Aided by IC	_	✓ Applicable to	Remote Cla	ass	☐ Instructor Professionally Experienced
			•					
Course	Plan							
		-	Theme			Goals		
		1 0+	What are electrica	al circuits: Ohm's larallel connection	aw, serial	Understand current, etc		's law and calculate voltage, to calculate combined
		2nd	What are electrication to determine	al circuits: Applied division ratio, div	exercises of ision ratio,	resistance. To use a sp Learn how t resistance.	it rati o det	o and a partial pressure ratio. ermine advanced synthetic
Powe 3rd and cons		Power supply and electric power: Voltage source and current source, and power supply circuit considering internal resistance			To understand the concepts of a voltage sour current source and internal power supply, and be able to perform interconversion between voltage source equivalent circuit and current source equivalent circuit.		nd internal power supply, and to m interconversion between a puivalent circuit and current	
		Power supply and electric power: Electric power, electric energy and maximum electric power			To be able to calculate the electric power consumed by the load in a circuit and the maximum electric power that can be supplied to the load.			
		5th	Circuit equation: I method	Kirchhoff's law, loo	op current	To understa establish the	nd Ki e loop	rchhoff's law, and to be able to current method.
		6th	Circuit equation: I	Node voltage meth		To solve eqi method.	uation	ns using the node voltage
		7th	Review			Eliminate doubts.		
		8th I	Mid-term Exam					more than 60% of the exam.
	4th Quarter	9th	Various circuits: E	Bridge circuit		To understand the equilibrium condition of the Wheatstone bridge and to be able to calculate resistance values and current value by various calculation methods.		

	10th	Various circuits: Y cor	nnection and Δ connection	To be able to derive the conversion and the inve			
	11th	Various circuits: Supe	erposition principle (Part 1)	To understand the supervoltage sources and to current from the equiva	To understand the superposition principle of voltage sources and to be able to calculate a current from the equivalent circuit.		
	12th	Various circuits: Thev	enin's theorem		n's theorem and to be able om the equivalent circuit.		
	13th	Various circuits: Nort	con's theorem	To understand Norton's theorems.	theorem and other circuit		
	14th	Practice		To get technical skills for problems			
	15th	Review		Eliminate doubts.	Eliminate doubts.		
	16th	End-term Exam		To solve correctly more	than 60% of the exam.		
Evaluation N	Method an	d Weight (%)					
		Test	Assignments	etc	Total		
Subtotal	70 0		0	30	100		
Basic Skills	0 0		0	0	0		
Specialized Ski	lls	70	0	30	100		

А	kashi Co	ollege	Year	2022			Course Title	Computer Programming I
Course	Informa	tion	•	•				
Course Co	ode	4116			Course Catego	ry	Specializ	zed / Compulsory
Class For		Lecture			Credits			ic Credit: 2
Departme	ent		and Computer E	Engineering	Student Grade		1st	
Term Textbook	and/or	Second Se	emester		Classes per We	eek	2	
Teaching								
Instructor		ENOMOTO) Ryuji					
[1] Can p [2] Can w [3] Can w [4] Can w	vrite progr vrite progr	sic Linux ope ams that cor ams that cor	erations. Itain conditional Itain iterations i Itain arrays in C	n C.				
Rubric			Ideal Level		Standard Lovel			Unacceptable Level
			Can perform b	nacic Linux	Standard Level		NIV	Cannot perform basic Linux
Achievem	ent 1		operations acc		operations.	asic Lii	iux	operations.
Achievem	ent 2		Can write proc contain compl branches in C.	ex conditional	Can write prog contain condition C.	rams t onal br	hat anches ir	Cannot write programs that contain conditional branches in C.
Achievem	ent 3		Can write proc contain iteration multiple ways	ons in C in	Can write prog contain iteratio	rams t	hat C.	Cannot write programs that contain iterations in C
			Can write prog arrays and two arrays in C.	grams that use o-dimensional	Can write prog arrays in C.	rams t	Cannot write programs that use arrays in C.	
			nent Objectives					
Teachin	g Metho							
Outline		The cours solving an	e will provide le id programming	ectures and exercis g skills.	es on programm	ning in	C to esta	ablish a foundation for problem
Style		Lab. In th	e Information B he week and do	Basics Lab., the clas	ss will alternate	betwe	en explar	ss will be in the Information Basics nations about the content you will d to complete ten programming
Notice		in classes reports. In with the a assignmen	and the standan addition to the attitude, "praction to will not be e	rd self-study time e lecture hours, stu	required for pre- idents should vi Students who h g grade.	-study sit the ave su	/ review, Informat bmitted f	s include learning time guaranteed, and completing assignment ion Basics Lab frequently and learn fewer than six programming grade.
Charact	eristics		Division in Le				рини	3.0.00
☑ Active			☑ Aided by IO	-	☑ Applicable t	o Rem	ote Class	☐ Instructor Professionally Experienced
Course	Plan							
Course	lan	Т	heme			Goals		
		1ct B		of programming a	nd information	Can li	/ diaits (ii	mponents of a computer. Can use nteger and decimal), complement oit floating point numbers
		2nd L	inux, Emacs, co	mpile, and run		Can p	erform b	asic Linux operations. Can write, un programs in C.
	21	3rd V	ariables, types,	outputs, inputs, b	asic operations	Can u	se variab	les, arithmetic operators, and nent operators. Can use the basic gly. Can write programs that puts and outputs.
	3rd Quarter		haracters, hexa ess of trailing di	decimal numbers, gits	exponents,	Can u expon digits	se charad ents. Car mean.	cters, hexadecimal numbers, and n explain what the loss of trailing
2nd Semeste		5th C	perators, logica	al operations, casts		Can u	se assign	ment operators. Can perform
r	6th Structured program			amming, condition	al branches 1	Can e	xplain wh	nat the structure theorem is. Can
	of 2 7th Conditional branches 2 of 2					if statem rite swite	ents. ch statements.	
		7th Conditional branches 2 of 2 8th Midterm exam				23.1 7		
		9th M				Under	stand wh	nere you made mistakes on the
			teration 2 of 3					. Can write do statements. e and for statements.
	4th	H +	teration 3 of 3					ed iterative statements.
	Quarter							ts and columns. Can scan, initialize,
			rrays			and co	opy array	'S.
		13th A	lgorithms and f	lowcharts		Can e	xplain alg	gorithms. Can write flowcharts.

	14th	Matrices and a tv	vo-dimensional a	arrays 1 of 2			rices. Can add and dimensional arrays.		
	15th	Matrices and two	Matrices and two-dimensional arrays 2 of 2			Can multiply matrices. Can multiply matrices using two-dimensional arrays.			
	16th	Final exam							
Evaluation I	Method and	Weight (%)							
	Examination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total		
Subtotal	70	30	0	0	0	0	100		
Basic Proficiency	0	0	0	0	0	0	0		
Specialized Proficiency	70	30	0	0	0	0	100		
Cross Area Proficiency	0	0	0	0	0	0	0		

А	kashi Co	ollege	Year	2022			Course Title	Computer Literacy
Course	Informa	tion						
Course Co	ode	4117			Course Categor	ry	Specializ	red / Compulsory
Class Forr		Lecture			Credits		School C	Credit: 2
Departme	nt		and Computer	Engineering	Student Grade		1st	
Textbook		Year-rou	nd		Classes per We	ek	2	
Teaching Instructor		NAKAI Y	uichi					
	Objectiv	-!	ulcili					
(1) Under (2) Under (3) Under (4) Under (5) Under (6) Can ir	stand bas stand bas stand ima stand how stand how put letters	ic knowledgic knowledg ge formats to create of to create of by touch t	e of Markdown. used on comput graphs on compu documents on co cyping.	uters. Imputers.		ind the	e various	rules in an information society.
Rubric	Staria Hov	r to use the	THECHICE GE SCHO	or, and can ace with	me Recping in m	ina cin	e various	raies in an information society.
			Ideal Level		Standard Level			Unacceptable Level
Achievem	ent 1			y explain the basic nputer hardware	Can explain the computer hard software.			of Cannot explain the basic aspects of computer hardware and software.
Achievem	Can create complex documents using basic knowledge of Markdown. Can create simple do using basic knowled Markdown.					Cannot create simple documents using basic knowledge of Markdown.		
Achievem	hievement 3 Can accurately e formats used on			y explain image on computers.	Can explain important computers.	age fo	rmats use	Cannot explain image formats used on computers.
		Can create graphs accurately on computers. Can create graphs on computers.			Cannot create graphs on computers.			
			Understand he documents or can accurately documents with	computers, and create	and Understand how to create documents on computers, and create documents with			Do not understand how to create documents on computers, and cannot create documents with charts.
			Can touch typ speed.	e at a sufficient	Can touch type).		Cannot touch type.
			what they car better informa think about po arise in an inf	with others about a do to make a ation society. Can oblems that may ormation society, em when they	Can put the thi to make a bette society into act communicate t problems that i information soo handle them w	er info ion. C heir id may a ciety, a	rmation an leas about rise in an and how t	can do to make a better information society. Do not understand problems that may arise in an information society.
Assigne	d Depar	tment Ob	jectives					
Teachin	g Metho	d						
Outline			will learn about mputer usage sk		e and basic knov	vledge	of softwa	are and hardware, and acquire
Style				lectures, students				
Notice		Students	who miss 1/3 o	r more of classes v	class, so studen n their work. Stu quire touch typir will not be eligibl	ts will udents ng skill e for a	be requir are also s. All assi passing	ed on their own to make an effort expected to think and act by gnments must be submitted. grade.
Charact	eristics (of Class /	Division in Le	earning	1			T
□ Active	Learning		☑ Aided by I	СТ	☑ Applicable to	o Rem	ote Class	☐ Instructor Professionally Experienced
Course	Plan							
Course	1 1011		Theme			Goals		
		1st	Computer basics	(Hardware)		Can e	xplain an Juration.	overview of a computer hardware
		2nd	Computer basics	(Hardware)			xplain an juration.	overview of a computer hardware
		3rd	Computer basics	(Software)		Can e syste	xplain the	e roles and types of operating xplain features of key OSs.
4th Computer basics (Software)				systems, and explain features of key OSs. Can explain the types of application software.				
1st Semeste r	1st Quarter	5th	Using the netwo	rk		and c	an act wh	earning system, etc. at school. w to use the Internet at school, ile keeping in mind the various rmation society.
		6th	Installation of Li	nux			xplain ho	w to start and shutdown of Linux
		7th	Configuration of	Linux			nake somonment.	e personalization of Linux desktop
		8th	Configuration of	Linux			nake som onment.	e personalization of Linux desktop

		9th	Introduction to M	arkdown		Can explain th	e concent and i	dea of Markdown.	
		10th	Introduction to M				arkdown key ta		
		11th	Introduction to M			<u>'</u>		using Markdown.	
		12th	Introduction to M	arkdown		Can convert M forms.	arkdown docun	nents to various	
	2nd Quarter	13th	Formulas			Can explain co formulas, which	mmands to cre th is a LaTeX fu	ate mathematical nction.	
		14th	Formulas			Can create simple formulas using LaTeX functions.			
		15th	Formulas			Can create cor functions.	mplicated formu	ılas using LaTeX	
		16th	Final exam						
		1st	Creating charts u	Creating charts using a drawing software		Can perform tl software.	ne basic operati	on of a drawing	
		2nd	Creating charts us	reating charts using a drawing software			signed charts us	sing a drawing	
		3rd	Creating charts u	reating charts using a drawing software			nple charts usin	g a drawing	
	3rd	4th	Creating charts us	Creating charts using a drawing software		Can export cha	arts into various	forms.	
	Quarter	5th	Creating graphs with gnuplot			Can explain an overview of gnuplot's graph-creating feature.			
		6th	Creating graphs with gnuplot		Can create simple graphs using basic commands to create charts in gnuplot.				
2nd Semeste		7th	Creating graphs v	vith gnuplot		Can create pra commands.			
r		8th	Creating graphs v	vith gnuplot		Can create complex graphs by fitting.			
		9th	LaTeX basics			Can explain the steps on how to create documents in LaTeX.			
		10th	Document structu	ıres in LaTex		Can create sim	ple documents	in LaTeX.	
		11th	Document structu	ıres in LaTex		Can structure	documents in L	aTeX.	
	4th	12th	Lists and tables in	n LaTeX			s using LaTeX o		
	Quarter	13th	Lists and tables in	n LaTeX		Can create tab	les using LaTe	Commands.	
		14th	Importing graphs	in LaTeX		Can create documents with charts using LaTeX commands.			
		15th	Comprehensive exercise		Can create documents with charts, graphs, and formulas using LaTeX commands.				
		16th	Final exam						
Evaluati	ion Metl	nod and	Weight (%)						
	Ex	amination	n Presentation	Touch Typing	Behavior	Portfolio	Other	Total	
Subtotal	60		30	10	0	0	0	100	
Basic Proficienc)	30	10	0	0	0	100	
Specialize Proficienc			0	0	0	0	0	0	
Cross Are Proficienc			0	0	0	0	0	0	

А	ıkashi Co	ollege	Year	2022		Course Title	Fundamental Experiments of Electrical & Computer Engineering
Course	Informa	tion					
Course Co	ode	4118			Course Categor	ry Specialize	ed / Compulsory
Class Forr	mat	Experime	nt		Credits	School C	redit: 1
Departme		·	and Computer E	naineerina	Student Grade	1st	
Term	2110	First Sem		<u> </u>	Classes per We		
Textbook	and/or	Thist Semi	estei		Classes per we	ick 2	
Teaching Instructor	Matérials		materials in cla A Yoshihiro,HIRO				
		-	4 1031111110,1111N	JIA AGUSIII			
1) Experie 2) Can re	search ind	derstand the	and actively mat	ical engineering th ters related to cor nrough collaborativ	nducted experime	eriment exercise ents	s
Rubric			1				
			Ideal Level		Standard Level		Unacceptable Level
Achievem	ent 1		Fully and expe understand th electrical engine basic experime	e basics of neering through	Experientially ubasics of electric through basic exercises	ical engineering	Do not experientially understand the basics of electrical engineering through basic experiment exercises
Achievem	ent 2		Can fully reseaundependently matters relate experiments		Can research ir actively matter conducted expe		Cannot research independently and actively matters related to conducted experiments
Achievem	ent 3		Fully learn to l and kind to ot collaborative v		Learn to be cookind to others to collaborative w	hrough	Fail to learn to be cooperative and kind to others through collaborative work
Assigne	signed Department Objectives						
Teachin	g Metho	d					
Outline		exercises	and learn the h	asic attitude for e	naineerina exper	riments includin	nrough basic experiment g researching independently and e cooperative, considerate to
Style		Lessons a understar	ire done in the f	orm of experiment	t exercises by tea	ams. Quizzes wil	I be conducted to test students'
Notice Charact	eristics (experiment others' sa habit of pare required a new not students	nts. They should fety in mind. Al roperly fulfilling to bring a catebook, but loos	I attend classes in assignments are responsibilities, su lculator (any mod e leaf paper is not r more of classes v	appropriate lab required to be su uch as cleaning a el) and an A4 no allowed.	attire, and alway ubmitted. Studer and putting away atebook for the e	ndamentals and basics of is behave with their own and its are expected to develop the the equipment used. Students experiments. It doesn't need to be rade.
✓ Active	Learning	•	☐ Aided by I	OT.	✓ Applicable to	o Remote Class	☐ Instructor Professionally
7,00,70	Learning				- Applicable to		Experienced
Caaa	Diam						
Course	Pian						
		T	heme			Goals	
		1st C	Course outline			Understand the goals, and note:	outline of this course (objectives,
		Zrid v	oltage	ter and measuring	resistance and	resistance and v	<u> </u>
			Breadboard 1			Learn the basic	use of a breadboard
	1st	4th E	Breadboard 2			Can build a basi	c circuit using a breadboard
	Quarter	5th C	Scilloscope 1			Learn the basic	use of an oscilloscope
		6th C	Oscilloscope 2				use of an oscilloscope and can
		7th E	Building electron	ics 1		Can build electr	onics using a soldering iron
1st			Building electron				onics using a soldering iron
Semeste			Oscillator 1				use of an oscillator
r			Scillator 2				use of an oscillator and can give
		11th N	1aking a blinking	LED circuit 1			basic mechanism of a blinking
	İ	<u> </u>					
	224	112th IN	1aking a hlinking	1 FD circuit 2		Can make a had	ic circuit for a blinking LED circuit
	2nd Ouarter		<u>1aking a blinking</u> 1aking a blinking				ic circuit for a blinking LED circuit
	2nd Quarter	13th N	1aking a blinking		nal amplifier	Can make a blir Can make a sine	king LED circuit wave amplification circuit using
		13th N 14th A	Making a blinking	LED circuit 3 using an operation	•	Can make a blir Can make a sind an operational a	king LED circuit e wave amplification circuit using implifier
		13th N 14th A	Making a blinking	LED circuit 3	•	Can make a blir Can make a sind an operational a	king LED circuit wave amplification circuit using

Evaluation	Method and W	Veight (%)					
	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

Akashi College			Year	2023		_	ourse Title	Japanese II-	1
Course	Informat	ion	<u> </u>			•			
Course Co	ode	5201			Course Categor	ry		Compulsory	
Class Forn		Lecture			Credits		School Cr	edit: 1	
Departme	nt		and Computer Er	ngineering	Student Grade		2nd		
Term		First Sem	ester		Classes per We	ek	2		
Textbook Teaching	and/or Materials	「精選文学	生国語」(明治書院	・「精選古典探え	ド 漢文編」(明	治書院)	• 「新訂符	総合国語便覧」	(第一学習社)
Instructor		ZENTOH	Masashi						
Course	Objective	es							
2) 文学的	な文章(小	(説や詩など)	や展開を理解し、要 を表現に即して読 可を正しく理解し、	『み取り、その表現 <i>』</i>	の特質について自	分の意り	見を述べる	ことができる	
Rubric									
			理想的な到達レク	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			一成や展開を的確じ	侖説や評論)の構 □理解し、要約し 見を述べることが	論理的な文章(記成や展開を遺漏ができる)	論説や評 なく理解	評論)の構 なし、要約	成や展開につい	(論説や評論) の構 ハてキーワード等の ばまとめることがで
評価項目2			ついて、歴史的な とに表現に即して	小説や詩など)に な背景や知識をも て読み取り、その いて自分の意見を きる	文学的な文章(小表現に即して読んの特質について知	小説や誤 み取り、 里解する	など) を その表現 ことがで		(小説や詩など) を Nな内容しか理解で
評価項目3			日常的に用いられ 正しく理解し、E 中で自由に活用す	てる漢字や語句を 日常生活や研究の することができる	日常的に用いられ 関心を持ち、吸り ることができる			日常的に用いらついて、理解が	られる漢字や語句に ド十分でない
Assigne	d Depart	ment Ob	jectives						
Teachin	g Metho	 d							
Outline		概要:小説	せい 随筆・漢文を通知識と感性を養う	して、読解力と思 ^え 。	考力を獲得するこ _。	とを目的	りとする。:	文章の構成・展開	・要旨などを的確
Style		講義形式で 学習の到達	ご行う。適宜、質疑 性度を確認する。	応答を行いながら、	批評する力を身	につける	3。なお、!	期末試験のほかに	小テストを課し、
Notice		事前学習に 評価の対象	よって問題点を明 なとしない欠席条件	らかにした上で、技 (割合) 1/3以上の:	受業に集中し、意役 欠課	欲的に関	詰むこと。		
Charact	eristics c	of Class /	Division in Lea	arning					
□ Active	Learning		☐ Aided by IC	Т	☑ Applicable to	o Remo	ote Class	☐ Instructor Experienced	Professionally
6	D.								
Course	Pian	-			I	Goals			
			heme				クロ語り伝	学の進行・進備地	
		1st 7	ガイダンス・「山月	引記」(中島敦)の語	読解	フサタ	の国語の技 できる	未の進行・準備を	がについて理解する
		2nd	「山月記」(中島敦	め) の読解		小説の: するこ	主人公につ とができる	いて、典拠を踏る	まえて人物像を理解
		3rd	「山月記」(中島勢	対)の読解		表現の		しながら、小説の	D展開を理解するこ
	1st	4th	「山月記」(中島敦	め)の読解		登場人	ーニ 物の心情と	情景描写の効果は	こついて理解できる
	Quarter	5th	「山月記」(中島淳	 『)の読解		小説の			!! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
				,	277	できる	/r. 	→ B5 + TBA7 + 5	ファレがマナフ
		7th		(大江健三郎) の読録 (大江健三郎) の読録 「小説とは何だ	解			・主題を理解する・主題を理解する	
1st Semeste			<u>、ハの肌料</u> 「汚れつちまった悲	こしみにし (中原中1	也)の読解	作家・	 作品の構成	と主題を理解する	 ろことができる
r		9th	「鞄」(安部公房)		C)	-		を理解することが	
			「鞄」(安部公房)	-		表現の	特徴に注意		の展開を理解するこ
			「鞄」(安部公房)						
	2nd		需家・道家について					与えた中国戦国	
	Quarter	13th	「五十歩百歩」(孟	ニーニーニー (子) の読解		故事と	<u>ができる</u> してなじみ ることがで	 のある文章を通し きる	して儒家の考え方を
		14th =	 8子・荘子の読解					<u>さる</u> :思想を理解する。	ことができる
			引題点の整理			問題と	なった諸点	を振り返り、様々	な文学的文章の特
						徴、儒	家・道家の	思想内容を整理で	することができる
Evel: -2	on M-+1		明末試験 loight (0/)						
⊏vaiuāti	on Meth 試験		eight (%) 発表	相互評価	態度	,1 € L	 `フォリオ	その他	Total
	山心的	`	17023	пиштити	الميريمر ا	$I \cap V = I$	フィフハ	C0716	Liotai

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

Д	.kashi Co	ollege	Year	2023		Course	Japanese II-2		
	Informa					Title			
Course Co		5202			Course Category	/ General	/ Compulsory		
Class For		Lecture			Credits	School C			
Departme			and Computer E	Engineering	Student Grade	2nd			
Term		Second Se	emester		Classes per Wee	Week 2			
Textbook Teaching	Matérials		国語』『精選古	典探求 古文』(明》	台書院)・『新訂約	給合国語便覧』	(第一学習社)		
Instructo		ZENTOH N	1asashi						
1) To cap 2) Can co able to ex 3) To elal	rrectly rea press the porate text	ummarize the different student's ow	nt points of viewn opinions.	w of people and th	ings drawn in lite	rary sentences	critic articles) accurately. (novels and essays) and to be fied information. To be able to		
			Ideal Level		Standard Level		Unacceptable Level		
Achievem	ent 1		The students summarize an composition o	d explain the	The students ca and explain the a text.		The students can not		
Achievem	ent 2		the characters	can well capture s figure and valuate it critically	The students ca characters figure and evaluate it	e and subject	The students can not capture the characters figure and subject and evaluate it critically		
Achievem	ent 3		and organize I	and conclusions, his ideas and logically, using	The students ca opinions and col organize his idea them logically, u sentences.	nclusions, and as and develop	The students can not form clear opinions and conclusions, and organize his ideas and develop them logically, using empirical sentences.		
		tment Obj	ectives						
Teachin	g Metho								
Outline		review par	pers, novels, po	ge of the Japanese petry, and classical tically, in an organ	texts. To develop	o logical readin	of various texts such as modern g and text expression skills and		
Style		Lecture fo Perform sl		anji and phrases at	every lesson				
Notice		students s	should actively	Japanese language engage in the less ill not be eligible fo	ons without negle	ll subjects, inclecting preparat	uding science subjects. The ion and review. Students who miss		
Charact	eristics	•	Division in Le						
□ Active	Learning		☐ Aided by ICT ☑ Applicable to			Remote Class	☐ Instructor Professionally Experienced		
Course	Dlan								
Course	Pian 	 -	homo		1,	Goals			
			heme				curing their own challenges and		
				, Reading Marjar	ia s wisdom	setting goals			
		2nd R S	eading "Hybridi huichi Kato	ity in Japanese Cul	ture" by (Can properly un the expression	nderstand the content according to		
		S	huichi Kato	ity in Japanese Cul	ι	Able to express understanding	their own opinions based on their of the content		
	3rd	4th R	eading "Hybridi huichi Kato	ity in Japanese Cul	ture" by	Able to express understanding	their own opinions based on their of the content		
	Quarter		eading "Money laruyama)	is a Word" (Keizab	ouro	Able to underst	and sentence structure		
		6th R	eading "Money laruyama)	is a Word" (Keizab	ouro /	Able to express understanding	their own opinions based on their of the content		
2nd			eading "Money laruyama)	is a Word" (Keizab	ouro I	Understand the express their o	e subject matter and be able to wn opinions about the work		
Semeste r		8th R	eading "Money laruyama)	is a Word" (Keizab	ouro /	Able to express understanding	their own opinions based on their of the content		
		9th R	eading of "Yow	a no famine" (Hojo	oki)	Can understand Can read aloud	from the top of literary history. appropriately and understand		
		10th R	eading of "Yow	a no famine" (Hojo	oki)	Can interpret a extbook appro	nd answer questions from the priately		
				a no famine" (Hojo			characteristics of expression		
	4th		eading "Koshiba enji)	agaki no moto" (Th	ne Tale of	Can read aloud	appropriately and explain the evelopment of the text		
	Quarter	12th R		agaki no moto" (Th	ne Tale of		nd answer questions from the		
		14th R		agaki no moto" (Th	ne Tale of		tical opinions about the content of		
			eading "Koshib enji)	agaki no moto" (Th	ne Tale of	Able to give cri he work	tical opinions about the content of		

	16th	End term exams								
Evaluation I	Evaluation Method and Weight (%)									
	Examination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total			
Subtotal	100	0	0	0	0	0	100			
Basic Proficiency	100	0	0	0	0	0	100			
Specialized Proficiency	0	0	0	0	0	0	0			
Cross Area Proficiency	0	0	0	0	0	0	0			

Δ	Akashi Co	ollege	Year	2023		Course Title	Mathematics II B-1		
Course	Informa	tion							
Course Co	ode	5207			Course Category	General	/ Compulsory		
Class For	mat	Lecture			Credits	School C	Credit: 1		
Departme	ent	Electrical	and Computer E	Engineering	Student Grade	2nd			
Term		First Sen			Classes per Wee	k 2			
Textbook Teaching	and/or Materials	高遠 節	夫 他 著 「新 夫 他 著 「新 夫	線形代数 改訂版」 線形代数 問題集 i	大日本図書 改訂版」 大日本図	書			
Instructo									
	Objectiv								
1. ベクト 2. 行列の	トルの計算は D定義および	らよび図形への が 計算ができ	の応用ができる。 ·る。						
Rubric									
			理想的な到達レ		標準的な到達レベ		未到達レベルの目安		
評価項目 1	L		が十分にできる	-	ベクトルの計算及 ができる。	び図形への応用	ができない。		
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	計算ができる。	行列の定義および 計算ができない。		
Assigne	d Depar	tment Ob	jectives						
Геасhin	ng Metho	od							
Outline		幅広い分割	野で使われている 算と幾何を関連付け	線形代数学の基礎に けできるようになる	ついて講義・演習を ことである	行う. 目標は平	² 面上や空間内での図形の方程式を用		
Style				・レポート課題を実					
Notice		授業時にし ちに必ず行 評価の対象	しっかりと理解に 復習し問題演習を 象としない欠席条	努めること。疑問点 十分に行うこと。 件(割合) 1/3以上の	は必ず質問して、そ 欠課	の都度解消する	るように努めること。またその日のう		
Charact	eristics		Division in Le						
☑ Active	Learning	•	☐ Aided by I	СТ	☑ Applicable to	Remote Class	☐ Instructor Professionally Experienced		
Course	Dlan								
course	Fiaii		Theme		l c	Goals			
			<u> </u>				の基本法則を使って計算ができる。		
		 	<u>- 皿ベクトル</u> 平面ベクトル			ベクトルの内積を			
			<u>- 曲 ジール</u> 平面ベクトル		Ŋ	平面ベクトルの成分表示を使って計算をする きる。			
	1st	4th	空間のベクトル		3	空間ベクトルの成分表示を使って計算をする			
	Quarter	5th	 空間のベクトル			きる。 平行四辺形の面積をベクトルで計算できる。			
			<u> 空間のベクトル</u> 空間のベクトル		ম		条件を理解し、計算に使うことができ		
lst		7th	 空間のベクトル				の方程式を求めることができる。		
Semeste							こ関連した問題を解くことができる。		
			<u>空間ベクトル</u>				の方程式を求めることができる。		
			空間ベクトル				を求め、使うことができる。		
l		空間ベクトル				離を求めることができる。			
l		空間ベクトル				求めることができる。			
12"" .		 行列				漬の計算ができる。			
I I I I I I I I I I I I I I I I I I I			- 1373				こ関連した問題を解くことができる。		
			行列				・結合法則を使うことができる。		
			期末試験		· ·				
	ion Meth	-	Veight (%)						
_,	.5 1 100	.Ja aria V	定期試験		平常点(小テスト	•課題)	Total		
Subtotal 60						h\LVC7\	100		
基礎的能力			60		40		100		
専門的能力			0		0		0		
会 1 1 1 1 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2			1_		1_		U		

分野横断的能力

А	Akashi Co	ollege	Year	2023		Course Title	Mathematics II B-2		
Course	Informa	tion							
Course Co	ode	5208			Course Category	General	/ Compulsory		
Class Forr	mat	Lecture			Credits	School C	redit: 1		
Departme	ent	Electrical a	nd Computer E	ngineering	Student Grade	2nd			
Term		Second Se	mester		Classes per Wee	k 2			
Textbook Teaching	and/or Materials	Linear Alge	ebra (Dai Nihon	Tosho)					
Instructor	r								
Course	Objectiv	es							
2. Can un	llculate ma nderstand	trices and sol the definition	ve linear syster and properties	ns of equations. of determinants a	nd find the value	of basic deterr	ninants.		
Rubric							_		
			Ideal Level		Standard Level		Unacceptable Level		
Achievem	nent 1		Can compute r solve simultane equations satis	eous linear	Can compute ma solve simultaneo equations.	atrices and ous linear	Cannot compute matrices and cannot solve simultaneous linear equations.		
Achievem	nent 2		and properties	d the definition of determinants, values for basic satisfactorily.	Can understand and properties o and find the valu determinants.	f determinants	Cannot understand the definition and properties of determinants and cannot find the values of basic determinants.		
Assigne	ed Depar	tment Obje	ectives						
Teachin	ng Metho	d							
Outline		This course	elḋs. The goal is				gebra, which is used in a wide ng equations of figures in the		
Style		There will	be lecture-style	classes, tests at a	appropriate times,	, and report as	signments.		
Notice		are unclead	r, and solve the cercises properl	em then and there	. Also, always rev	iew the materi	t to always ask about things that all on the same day, and do the		
Charact	eristics (•	ivision in Le		viii flot be eligible	Tor a passing g	raue.		
☑ Active	Learning		☐ Aided by IC	T	☑ Applicable to	Remote Class	☐ Instructor Professionally Experienced		
			<u> </u>				Experienced		
Course	Dlan								
Course	riaii	I _{Tk}	neme			Goals			
			atrix				and use zero and unit matrices.		
			atrix						
						Can compute second-order determinants and us			
		3rd Definition and properties of determinant			inant	Can compute se	econd-order determinants and use		
	3rd		<u> </u>	operties of determoperties of determ	inant	Cramer's formu Can understand	econd-order determinants and use		
	3rd Quarter	4th De	efinition and pro	<u> </u>	inant C	Cramer's formu Can understand compute simple	econd-order determinants and use la. I the definition of determinant and		
		4th De	efinition and pro	operties of determ	inant C	Cramer's formu Can understand compute simple	econd-order determinants and use la. I the definition of determinant and edeterminants. I the properties of determinants and calculations.		
		4th De 5th De 6th Ap	efinition and pro	operties of determoperties of determoperties of determopermont	inant C inant C c inant C	Cramer's formu Can understand compute simple Can understand und use them in Can expand det	econd-order determinants and use la. I the definition of determinant and edeterminants. I the properties of determinants and calculations.		
2nd		4th De 5th De 6th Ap 7th Ap	efinition and pro efinition and pro oplication of det	operties of determoperties of determoperties of determopermont	inant Continue Contin	Cramer's formu Can understand compute simple Can understand und use them in Can expand det	econd-order determinants and use la. I the definition of determinant and e determinants. I the properties of determinants in calculations. Perminants. Variety of determinant calculations.		
Semeste		4th De 5th De 6th Ap 7th Ap 8th Su	efinition and pro efinition and pro oplication of det oplication of det ummary	operties of determoperties of determoperties of determoperminant	inant Continue Contin	Cramer's formucan understand compute simple Can understand induse them in Can expand det Can perform a Review of the tocan use the costant can understant econd-order determinants and use la. I the definition of determinant and e determinants. I the properties of determinants in calculations. Perminants. Variety of determinant calculations.			
		4th De 5th De 6th Ap 7th Ap 8th Su 9th Ap	efinition and pro efinition and pro oplication of det oplication of det ummary oplication of det	operties of determoperties of determoperties of determoperminant determinant d	inant Continue Contin	Cramer's formucan understand compute simple Can understand use them in Can expand det Can perform a Review of the total use the costantix.	econd-order determinants and use la. I the definition of determinant and electrinants. I the properties of determinants in calculations. I the properties of determinants.		
Semeste		4th De 5th De 6th Ap 7th Ap 8th Su 9th Ap 10th Ap	efinition and pro efinition and pro oplication of det oplication of det ummary oplication of det oplication of det	operties of determoperties of determoperties of determoperties of determoperties of determoperties of determoperties of determinant determinant determinant	inant Continue Contin	Cramer's formucan understand understand understand understand use them in Can expand det Can perform a Review of the total use the cost natrix. Can factorize use	econd-order determinants and use la. I the definition of determinant and electrominants. I the properties of determinants and calculations. I the properties of determinants are calculations. I the properties of determinants are calculations. I the properties of determinants are calculations. I the properties of determinants. I the properties of determinants.		
Semeste		4th De 5th De 6th Ap 7th Ap 8th Su 9th Ap 10th Ap	efinition and pro efinition and pro oplication of det oplication of det ummary oplication of det	operties of determoperties of determoperties of determoperties of determoperties of determoperties of determoperties of determinant determinant determinant	inant Connection Connectica Connection Conne	Cramer's formucan understand compute simple can understand use them in Can expand det Can perform a Review of the trong and use the contrix. Can factorize use can understand understand understand can	econd-order determinants and use la. I the definition of determinant and electrominants. I the properties of determinants calculations. I terminants. I determinants. I determinants. I determinants. I determinant calculations. I determinant calculations. I and use matrix elimination		
Semeste		4th Definition of the property	efinition and pro efinition and pro oplication of det oplication of det ummary oplication of det oplication of det	operties of determoperties of determoper	inant Conninant	Cramer's formucan understand understand understand understand use them in Can expand det Can perform a Review of the transcript. Can factorize use Can understand un	econd-order determinants and use la. I the definition of determinant and electerminants. I the properties of determinants and calculations. I the properties of determinants are calculations. I the properties of determinants are calculations. I the properties of determinants are calculations. I the properties of determinants are calculations. I the properties of determinants are calculations. I and use matrix elimination I taneous linear equations using the hod.		
Semeste	Quarter	4th De 5th De 6th Ap 7th Ap 8th Su 9th Ap 11th Liu 12th Liu 13th Liu	efinition and pro- efinition and pro- oplication of det oplication of det immary oplication of det oplication of det near equations near equations	operties of determinant terminant terminant terminant and matrices and matrices and matrices	inant Conninant	Cramer's formucan understand understand understand understand use them in Can expand det Can perform a Review of the transcript. Can inderstand use the condition use the condition understand unders	econd-order determinants and use la. I the definition of determinant and electerminants. I the properties of determinants and calculations. I the properties of determinants are calculations. I the properties of determinants are calculations. I the properties of determinants I the properties of determinant		
Semeste	Quarter	4th De 5th De 6th Ap 7th Ap 8th Su 9th Ap 11th Lin 12th Lin 13th Lin 14th Lin Lin 14th Lin 15th efinition and pro- efinition and pro- polication of det oplication of det immary oplication of det oplication of det near equations near equations	operties of determinant terminant terminant terminant and matrices and matrices and matrices	inant Conninant	Cramer's formucan understand understand understand use them in Can expand det Can perform a Review of the transcript. Can factorize use the conatrix. Can factorize use the conatrix. Can solve simulation met Can find the invented. Can determine	econd-order determinants and use la. I the definition of determinant and electrominants. I the properties of determinants in calculations. Exerminants. Variety of determinant calculations. I total. Sine factor to find the inverse Sing determinants. I and use matrix elimination taneous linear equations using the hod. Ferse matrix using the elimination the rank of a matrix.			
Semeste	Quarter	4th Definition of the control of the	efinition and pro efinition and pro epilication of det epilication of det epilication of det epilication of det epilication of det enear equations enear equations enear equations enear equations	operties of determinant terminant terminant terminant and matrices and matrices and matrices	inant Conninant	Cramer's formula can understand understand understand understand use them in Can expand det Can perform a Review of the transcript use the contact in understand under understand understan	econd-order determinants and use la. I the definition of determinant and electrominants. I the properties of determinants and calculations. I the properties of determinants and calculations. I calculations. I calculations. I arrived of determinant calculations. I and use matrix elimination I taneous linear equations using the hod. I errse matrix using the elimination I the rank of a matrix. I otal.		
Semeste r	Quarter 4th Quarter	4th Def 5th Def 6th Ap 7th Ap 8th Su 9th Ap 10th Ap 11th Lin 12th Lin 13th Lin 14th Lin 15th Su 16th Ex	efinition and pro efinition and pro efinition and pro oplication of det immary oplication of det oplication of det oplic	operties of determinant terminant terminant terminant and matrices and matrices and matrices	inant Conninant	Cramer's formucan understand understand understand use them in Can expand det Can perform a Review of the transcript. Can factorize use the conatrix. Can factorize use the conatrix. Can solve simulation met Can find the invented. Can determine	econd-order determinants and use la. I the definition of determinant and electrominants. I the properties of determinants and calculations. I the properties of determinants and calculations. I calculations. I calculations. I arrived of determinant calculations. I and use matrix elimination I taneous linear equations using the hod. I errse matrix using the elimination I the rank of a matrix. I otal.		
Semeste r	Quarter 4th Quarter	4th Definition of the control of the	efinition and pro efinition and pro efinition and pro oplication of det immary oplication of det oplication of det oplic	operties of determinant terminant terminant terminant and matrices and matrices and matrices	inant Conninant	Cramer's formula can understand understand understand understand use them in Can expand det Can perform a Review of the transcript use the contact in understand under understand understan	econd-order determinants and use la. I the definition of determinant and electrominants. I the properties of determinants and calculations. I the properties of determinants and calculations. I the properties of determinants and determinants. I the properties of determinants and determinants. I the properties of determinants and determinants. I and use matrix elimination I taneous linear equations using the hod. I the rank of a matrix. I the rank of a matrix.		
Semeste r Evaluati	Quarter 4th Quarter	4th Def 5th Def 6th Ap 7th Ap 8th Su 9th Ap 10th Ap 11th Lin 12th Lin 13th Lin 14th Lin 15th Su 16th Ex	efinition and pro efinition and pro epilication of det oplication of det immary oplication of det oplication of det near equations near equations near equations immary cam eight (%)	operties of determinant terminant terminant terminant and matrices and matrices and matrices	inant Connact	Cramer's formucan understand compute simple can understand use them in can expand det can perform a ceview of the transport of the construction of the construction of the can understand understand understand can find the invention. Can determine ceview of the transport of the confirmation of the confirmat	econd-order determinants and use la. I the definition of determinant and electrominants. I the properties of determinants and electrominants. I the properties of determinants are calculations. I the properties of determinants are calculations. I the properties of determinants are calculations. I the factor to find the inverse and use matrix elimination I and use matrix elimination I taneous linear equations using the hod. I terse matrix using the elimination I the rank of a matrix. I the studies. Total		
Semeste r	Quarter 4th Quarter	4th Def 5th Def 6th Ap 7th Ap 8th Su 9th Ap 10th Ap 11th Lin 12th Lin 13th Lin 14th Lin 15th Su 16th Ex	efinition and pro efinition and pro epilication of det oplication of det immary oplication of det oplication of det near equations near equations near equations immary cam	operties of determinant terminant terminant terminant and matrices and matrices and matrices	inant Connection Connectica Connection Conne	Cramer's formucan understand compute simple can understand use them in can expand det can perform a ceview of the transport of the construction of the construction of the can understand understand understand can find the invention. Can determine ceview of the transport of the confirmation of the confirmat	the definition of determinant and electrominants. I the properties of determinants and calculations. I and use materiant calculations. I and use matrix elimination I taneous linear equations using the hod. I terse matrix using the elimination I the rank of a matrix. I the studies.		
Semeste r Evaluati	4th Quarter ion Meth	4th Def 5th Def 6th Ap 7th Ap 8th Su 9th Ap 10th Ap 11th Lin 12th Lin 13th Lin 14th Lin 15th Su 16th Ex	efinition and pro efinition and pro epilication of det oplication of det immary oplication of det oplication of det near equations near equations near equations immary cam eight (%)	operties of determinant terminant terminant terminant and matrices and matrices and matrices	inant Connact	Cramer's formucan understand compute simple can understand use them in can expand det can perform a ceview of the transport of the construction of the construction of the can understand understand understand can find the invention. Can determine ceview of the transport of the confirmation of the confirmat	econd-order determinants and use la. I the definition of determinant and electrominants. I the properties of determinants and electrominants. I the properties of determinants are calculations. I the properties of determinants are calculations. I the properties of determinants are calculations. I the factor to find the inverse and use matrix elimination I and use matrix elimination I taneous linear equations using the hod. I terse matrix using the elimination I the rank of a matrix. I the studies. Total		
Evaluati Subtotal Basic Prof Specialize	4th Quarter ion Meth	4th Defection of the property	efinition and pro- efinition and pro- efinition and pro- efinition and pro- efinition and pro- efinition and pro- efinition of det- epilication of	operties of determinant terminant terminant terminant and matrices and matrices and matrices	inant Connact	Cramer's formucan understand compute simple can understand use them in can expand det can perform a ceview of the transport of the construction of the construction of the can understand understand understand can find the invention. Can determine ceview of the transport of the confirmation of the confirmat	econd-order determinants and use la. I the definition of determinant and electrominants. I the properties of determinants and electrominants. I the properties of determinants and electrominants. I calculations. I determinants. I variety of determinant calculations. I otal. I and use matrix elimination I taneous linear equations using the hod. I the rank of a matrix. I the studies. Total 100		

Д	kashi Co	ollege	Year	2023		Course Title	Science II B-1		
Course	Informa	tion		1		TICIC	I		
Course Co		5211			Course Categor	y General	/ Compulsory		
Class For	mat	Lecture			Credits	School Credit: 1			
Departme	ent		al and Computer E	Engineering	Student Grade				
Term	1/	First Se	mester		Classes per We	eek 2			
Textbook Teaching	Materials	***************************************	3 = 1/23 22 17 17 17 17 17 17 17 17 17 17 17 17 17	「リードa 化学基	基礎+化学」数研出	は版、「フォトサー	イエンス 化学図録」数研出版		
Instructor			AI Yasuhiro						
1. 物質の 2. 化学反応 3. 酸・塩	芯式が取り? 基に関する?	の結合に関す 扱え、反応量 基本事項に1	する事項を含む)に 量の関係に関する基 ついて説明や計算が 事項について説明や	関する基本事項につ 本事項について説明 できる。 計算ができる。	Oいて説明や計算か 日や計算ができる。	べきる 。			
Rubric			田相的+>河南	ベルの日 立			ナ列注しが11.0円立		
			理想的な到達し物質の構成(粒	<u>・ヘルの日安</u> :子の結合に関する	標準的な到達レ/		未到達レベルの目安		
評価項目1			事項を含む) について的確な説 十分にできる。	関する基本事項に明や正確な計算が		子の結合に関する 関する基本事項に 章ができる。			
評価項目2			関係に関する基	り扱え、反応量の 本事項について的 な計算が十分にで)扱え、反応量の 体事項について説 る。			
評価項目3			酸・塩基に関す	る基本事項につい 正確な計算が十分	酸・塩基に関するて説明や計算が	る基本事項につい できる。	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			について的確な が十分にできる	に関する基本事項 説明や正確な計算 。	酸化・還元反応していて説明や記	こ関する基本事項 計算ができる。	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。		
			ojectives						
Leachin	ig Metho		114 A ## - /12241 - F	10 TT	ツェ テッキ 数早ぶ	スの切除をナバル			
Outline		する基礎立てる、	知識について講義} 化学の基礎理論をヨ	対する研究開発を担 形式で授業を行うも 里解することによっ	ヨしていた教員が、 のである。習得した て、科学的思考を	、その経験を活力 た化学の基礎事項 養うことを目標と	〜し、化学物質の性質や化学反応に関すくらしや生活環境と関連付けて役ける。また、アースサイエンスにつ		
Style		授業は講	義形式で行う。確認	忍テストを複数回適	直実施する。				
Notice				ることによって、「 [.] 件(割合) 1/3以上		在であることを認	謡識して欲しい。		
Charact	eristics	of Class /	Division in Le	earning					
□ Active	Learning		☐ Aided by I			Remote Class	☐ Instructor Professionally Experienced		
Course	Dlan								
Course	lall		Theme			Goals			
		1st		ン:化学を学ぶに際	して	化学の有用性と身できる。化学物質	身近なモノとの関わりを理解し、説明 質の有効性と生体や環境へのリスクを		
		2nd	 物質の構成 – 1 : i			理解し、説明でき	さる。 D性質を理解し、説明できる。		
		3rd	物質の構成 - 2:				元素、物質の三態、状態変化を理解し		
	1	4th	物質の構成 – 3:	原子の性質			電子配置、周期表、同位体を理解し、		
	1st Quarter	5th	化学結合 – 1: イス	 tンの性質とイオン(とエネルギー		イオン化エネルギーについて理解し、		
		6th	化学結合 – 2: イス	オン結合とイオン結	a		オン結晶について理解し、説明できる		
1st		7th	化学結合 – 3:分		洁合	<u>。</u> 電子のふるまいる 合について理解し	と金属結合、金属の性質および化学結 、説明できる。		
Semeste r	8th	化学結合 – 4:金属	—————————————————————————————————————			基本事項について説明や計算ができる			
		9th		結合に関してのまと		。 物質の構成、化等 理解し、基礎的な イエンスに関する 、開設できる。	学結合結合に関する基本事項について は問題を解くことができる。アースサ るいくつかのトピックについて理解し		
	2nd	10th	化学反応式と反応 量	量の関係-1:原子	量、分子量、式	原子量・分子量・	・式量を理解し、説明できる。		
	Quarter	11th	化学反応式と反応	量の関係 – 2 : モル		0	nol、モル質量を理解し、計算できる		
		12th		量の関係-3:溶液	の 辰 反	溶液の濃度についた を理解し、計算で	いて、モル濃度、質量パーセント濃度 ごきる。		
			化学反応式と反応 反応式	量の関係 – 4:化学	反応式とイオン	化学反応式やイス	オン反応式を理解し、説明できる。		

		14th	化学反応式と反応量の関係 – 5:反応	式の量的関係	化学反応式の量的関係を説明でき、必要な計算ができ る。		
		15th	化学反応式と反応量の関係 – 6		化学反応式に関する	5基礎問題を解くことが出来る。	
		16th	期末試験		前期の内容に関する	る基礎問題を解き、説明できる。	
Evaluati	on Meth	od and W	/eight (%)				
			試験	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	

評価項目1 事項を含む)に関する基本事項について的確な説明や正確な計算が十分にできる。 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的確な説明や正確な計算が十分にできる。 (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的関係に関する基本事項について説明や計算ができる。 (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る。 (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る。 (化学反応式が取り扱え、反応場の関係に関する基本事項について説明や計算ができる。 (大学反応式が取り扱え、反応場別を基本事項について説明や計算ができる。 (大学の確な説明や正確な計算が十分にできる。 (大学の基本事項について説明や計算ができる。 (大学の基本事項について説明や計算ができる。 (大学の基本事項について説明や計算ができる。 (大学の基本事項について説明や計算ができる。 (大学の基本事項について説明や計算ができる。 (大学の基本事項について説明や計算ができる。 (大学の基本事項について説明や計算ができる。 (大学の表述のできる)をは、大学の表述を担当していた教員が、その経験を活かし、化学物質の性質や化学反する基礎知識について講義形式で授業を行うものである。習得した化学の基礎事項をくらしや生活環境と関連付立てる、化学の基礎理論を理解することによって、科学的思考を養うことを目標とする。また、ライフサイエンにも学習する。 (大学の基本理解を担当していた教員が、その経験を活かし、化学物質の性質や化学反する基礎知識について講義形式で授業を行うものである。習得した化学の基礎事項をくらしや生活環境と関連付立てる、化学の基礎理論を理解することによって、科学的思考を養うことを目標とする。また、ライフサイエンにも学習する。 (大学の基本を表述の表述の表述を表述の表述を表述の表述を表述の表述と関連付立ても、大学の基礎理論を理解することによって、「大学」が身近な存在であることを認識して欲しい。 (大学)が身近な存在であることを認識して欲しい。) (大学)が身近な存在であることを認識して欲しい。) (大学)が身近な存在であることを認識して欲しい。) (大学)が身近な存在であることを認識して欲しい。) (大学)が身近な存在であることを認識して欲しい。) (大学)が身近な存在であることを認識して欲しい。) (大学)が身近な存在であることを認識して欲しい。) (大学)が身近な存在であることを認識して欲しい。) (大学)に関する基本事項について説明や計算ができる。) (大学)に関する基本事項について説明や計算ができる。) (大学)に関する基本事項について説明や計算ができる。) (大学)に関する基本事項について説明や計算ができる。) (大学)に関する基本事項について説明や計算ができる。) (大学)に関する基本事項について説明や計算ができない。) (大学)に関する基本事項について説明や計算ができる。) (大学)に関する基本事項について説明や計算ができる。) (大学)に関する基本事項について説明や計算ができる。) (大学)に関する基本事項について説明や計算ができない。) (大学)に関する基本事項について説明や計算ができる。) (大学)に関する基本事項について説明や計算ができる。) (大学)に関する基本事項について説明や計算ができる。) (大学)に関する基本事項について説明や計算ができる。) (大学)に関する基本事項について説明や計算ができる。) (大学)に対する表述を表述の表述を表述を表述を表述を表述を表述を表述を表述を表述を表述を表述を表述を表述を表	Д	kashi Co	ollege	Year	2023		Course Title	Science II B-2		
Credits	Course	Informa	tion							
Department	Course Co	ode	5212			Course Category	/ General	/ Compulsory		
Term	Class For	mat	Lecture			Credits				
「中央の	Departme	ent	Electrical a	and Computer E	Engineering	Student Grade				
Tracking Materials			Second Se	mester		Classes per Wee	Week 2			
Course Objectives 1. 物質の機能(性子の場合に関する場所を含む)に関する基本事項について説明や計算ができる。 1. 物質の機能(性子の場合に関する場所を含む)に関する基本事項について説明や計算ができる。 1. 物質の機能(性子の場合に関する基本事項について説明や計算ができる。 1. 非過度に対する基本事項について説明や計算ができる。 Rubric 理想的な到達レースルの目安 標準的な到達レースルの目安 標準的な到達レースルの目安 物質の機能(性子の場合に関する 場所を含む)に関する基本事項について説明や計算ができる。 化学反反式が取り起え、反反感の の場所に関する基本事項について説明や計算ができる。 化学反反式が取り起え、反反感の の場所に関する基本事項について説明や計算ができる。 原理に関する基本事項について で多反式を制作している。 原理に関する基本事項について で多反式を制作していて、例では表面に関する基本事項について説明や計算ができる。 原理に関する基本事項について で多反式を制作している。 の場所に関する基本事項について で多反式を制作している。 の場所に関する基本事項について で多反式を制作している。 の場所に関する基本事項について で多反式を制作している。 の場所に関する基本事項について で多反式を制作している。 の場に関する基本事項について で多の機能を関する でのよび観味を制作する。 の場に関する基本事項について である。 のが時に対するできる。 のが時に対するできる。 のが時に対するできる。 のが時に対するできる。 のが時に対するできる。 のが時に対すできる。 のが時に対すできる。 のが時に対すできる。 のが時に対すできる。 のが時に対すできる。 のが時に対すできる。 のが時に対すできる。 のが時に対すできる。 のが時に対すできる。 のが時に対すを制度に対するできる。 のが目に、企業では関係を制度する。 のが目に、企業では関係を制度する。 のが目に、企業では関係を制度する。 のが目に対する。 のが目に、企業では関係を制度を制度する。 のが目に対する。 のが目に対する。 のが目に対する。 のが目に対する。 のが目に対する。 のが目に対する。 のが目を表を制度を制度が、を関係を制度に対する。 のが目を表を制度を制度に対する。 のが目を表を制度を制度に対する。 のが目を表を制度を制度に対する。 のが目を表を制度を制度に対する。 のが目を表を制度を制度に対する。 のが目を表を制度を制度に対する。 のが目を表を引度について理解し、 説明できる。 のが目に表を表を対する。 のが目を表を関係を制度について理解し、 説明できる。 のが目に表に表に反応について理解し、 説明できる。 のは、 のはに、 のに反応について理解し、 説明できる。 のは、 のにに、 のに反応について理解し、 説明できる。 のは、 のにに、 のにに、 のにに、 のにに、 のにに、 のにに、 のにに、 のに、 のにに、 のに、 のにに、 のにに、 のにに、 のに、 のにに、 のに、 の					、「リードa 化学基	基礎+化学」数研出	版、「フォトサ	イエンス 化学図録」数研出版		
1. 物質の機成(似子の結合に関する単原合金)、「関する基本単項について観明や計算ができる。 2. 化学が応式が取り換え、反応の関係に関する基本単項について観明や計算ができる。 3. 限・塩素に関する基本単類について説明や計算ができる。 3. 限・塩素に関する基本単類について説明や計算ができる。 Rubric 関連的な製造レベルの目室 物質の構成(化子の結合に関する 物質の構成(化子の結合に関する 物質の構成(化子の結合に関する 物質の構成(化子の結合に関する 物質の構成(化子の結合に関する 物質の構成(化子の結合に関する 物質の構成(化子の結合に関する 物質の構成(化子の結合に関する 物質の構成(化子の結合に関する 物質の構成(化子の結合に関する 物質の構成(化子の結合に関する 物質の構成(化子の結合に関する 物質の構成(化子の結合に関する 物質の構成(化子の結合に関する 物質の構成(化子の結合に関する 物質の構成(化子の結合に関する 物質の構成(化子の結合に関する 物質の構成(化子の結合に関する 物質の構成(化子のは合成)を関係に関する基本事項について説明や計算ができる。	Instructo	<u>r</u>	SAKURAI \	Yasuhiro						
類型的な割造レベルの目安	1. 物質の材 2. 化学反応 3. 酸・塩	構成(粒子 心式が取り 基に関する	の結合に関する 扱え、反応量の 基本事項につい	D関係に関する基 Nて説明や計算が	「本事項について説明 「できる。	Oいて説明や計算が 月や計算ができる。	できる。			
##@項目1	Rubric			T		1		1		
野価項目				1		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2	評価項目1			事項を含む)に ついて的確な説 十分にできる。	関する基本事項に 朗や正確な計算が	事項を含む)に関	する基本事項に	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3	評価項目2			関係に関する基確な説明や正確	本事項について的	関係に関する基本	:事項について説	関係に関する基本事項について説		
ICOして的確定説明や正確な計算	評価項目3			て的確な説明や	る基本事項につい 正確な計算が十分	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。		
Teaching Method Outline	評価項目4			について的確な	は説明や正確な計算			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。		
Outline	Assigne	d Depar	tment Obje	ectives						
Theme	Teachin	g Metho	od							
Notice 日常生活を科学的に考察することによって、「化学」が身近な存在であることを認識して欲しい。 評価の対象としない次席条件(割合) 1/3以上の欠課 Characteristics of Class / Division in Learning			する基礎知 立てる、化 いても学習	識について講義 学の基礎理論を する。	形式で授業を行うも 理解することによっ 	のである。習得した て、科学的思考を書	化学の基礎事項	をくらしや生活環境と関連付けて役		
Reduce	Style							75th 1		
Characteristics of Class / Division in Learning □ Active Learning □ Aided by ICT □ Applicable to Remote Class □ Instructor Professional Experienced □ Instructor Professional Experienced □ Instructor Professional Experienced □ Instructor Professional Experienced □ Instructor Professional Instructor Professional Experienced □ Instructor Professional Instructor P	Notice						上であることを試	は誠して欲しい。		
□ Active Learning □ Aided by ICT □ Applicable to Remote Class □ Instructor Professional Experienced □ Instructor Professional Experienced □ Instructor Professional Experienced □ Instructor Professional Experienced □ Instructor Professional Experienced □ Instructor Professional Experienced □ Instructor Professional Experienced □ Instructor Professional Instructor Professional Experienced □ Instructor Professional Instructor Professional Experienced □ Instructor Professional Instructor Professional Experienced □ Instructor Professional Experienced □ Instructor Professional Experienced □ Instructor Professional Experienced □ Instructor Professional Experienced □ Instructor Professional Experienced □ Instructor Professional Experienced □ Instructor Professional Experienced □ Instructor Professional Experienced □ Instructor Professional Experienced □ Instructor Professional Experienced □ Instructor Professional Experienced □ Instructor Professional Experienced □ Instructor Professional Experienced □ Instructor	Charact	eristics	•							
2nd Semester 1st 酸・塩基の反応 – 1:酸・塩基の性質 ウス、ブレンステッドローリーの酸・塩基を現 ウス、ブレンステッドローリーの酸・塩基を現 説明できる。ウス、ブレンステッドローリーの酸・塩基を現 説明できる。 コインと、 機・塩基の反応 – 2: 価数と電離度 価数、電離度を理解し、酸と塩基の強弱を説明。						☑ Applicable to	Remote Class	☐ Instructor Professionally Experienced		
2nd Semester 1st 酸・塩基の反応 – 1:酸・塩基の性質 ウス、ブレンステッドローリーの酸・塩基を現 ウス、ブレンステッドローリーの酸・塩基を現 説明できる。ウス、ブレンステッドローリーの酸・塩基を現 説明できる。 コインと、 機・塩基の反応 – 2: 価数と電離度 価数、電離度を理解し、酸と塩基の強弱を説明。										
2nd Quarter 記す 酸・塩基の反応 – 1:酸・塩基の性質 一次、プレンステッドローリーの酸・塩基を担説明できる。ウス、プレンステッドローリーの酸・塩基を担説明できる。ウス、プレンステッドローリーの酸・塩基を担別できる。 ウス、プレンステッドローリーの酸・塩基を担別できる。 価数、電離度を理解し、酸と塩基の強弱を説明。 水素イオン濃度について理解し、説明できる。 中れ、大澤について理解し、説明できる。 りけ、指示薬について理解し、説明できる。 りけ、指示薬について理解し、説明できる。 りけ、指示薬について理解し、説明できる。 ないてき窓、説明できる。 もの性質を理解し、できる。 ないてきる。 おいてきる。 はいてきる。 はいてきる。 はいてきる。 では、は、は、は、は、は、は、は、は、は、は、は、は、は、は、は、は、は、は、	Course	<u>Plan</u>	1							
2nd 酸・塩基の反応 – 1:酸・塩基の性質 ウス、プレンステッドローリーの酸・塩基を摂説明できる。 2nd 酸・塩基の反応 – 2:価数と電離度 価数、電離度を理解し、酸と塩基の強弱を説明できる。 3rd Quarter 被・塩基の反応 – 3:水素イオン濃度 水素イオン濃度について理解し、説明できる。 4th 酸・塩基の反応 – 4: pHと指示薬 pH、指示薬について理解し、測定方法、pHのついて考察、説明できる。 5th 酸・塩基の反応 – 5: 中和反応と塩 中和反応について理解できる。塩の性質を理解している。 6th 酸・塩基の反応 – 6: 中和商定 中和商定について理解し、説明できる。 7th 酸・塩基の反応 – 7 酸・塩基の反応に関する基礎問題が解ける。 8th 酸化・還元反応 – 1: 酸化と還元 酸化と還元について理解し、説明できる。 9th 酸化・還元反応 – 2: 酸化数の変化 酸化還元反応のでは関し、説明できる。 10th 酸化・還元反応 – 4: 酸化還元反応式 酸化還元反応でいて理解し、説明できる。 12th 酸化・還元反応 – 4: 酸化還元反応式 食化還元反応でいて理解し、説明できる。 12th 酸化・還元反応 – 5: 金属の酸化還元反応式 金属の酸化還元反応について理解し、説明できる。 12th 酸化・還元反応 – 6: イオン化傾向 イオン化傾向について説明できる。 15th 酸化・還元反応 – 7: 電池 電池の仕組みについて理解し、説明できる。 15th 酸化・還元反応 – 7: 電池 電池の仕組みについて理解し、説明できる。 15th 酸化・還元反応 – 5: 全場で 電池の仕組みについて理解し、説明できる。 15th 酸化・還元反応 生物学1、生物学2 次に関する基礎問題が解ける。ライフンスに関する基礎問題が解ける。 2元に関する基礎問題が解ける。 後期の内容について理解し、解説できる。 3rd は 対域に 関する基礎問題が解ける。 次に関する基礎問題が解ける。 4rd は 対域に 関すると使用のできる。 では 関すると使用のでは 関すると使用のできる。			TI	neme						
2nd 酸・塩基の反応-2:価数と電離度 価数、電離度を理解し、酸と塩基の強弱を説明。 3rd 酸・塩基の反応-3:水素イオン濃度 水素イオン濃度について理解し、説明できる。 4th 酸・塩基の反応-4:pHと指示薬 pH、指示薬について理解し、測定方法、pHのついて考察、説明できる。 5th 酸・塩基の反応-5:中和反応と塩 中和液定について理解し、説明できる。塩の性質を理解し、説明できる。 6th 酸・塩基の反応-6:中和滴定 中和滴定について理解し、説明できる。 7th 酸・塩基の反応-7 酸・塩基の反応に関する基礎問題が解ける。 8th 酸化・還元反応-1:酸化と還元 酸化数について理解し、説明できる。 9th 酸化・還元反応-2:酸化数の変化 酸化数について理解し、酸化・還元反応前後の説明できる。 10th 酸化・還元反応-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 酸化・還元反応-4:酸化還元反応式 酸化還元反応式を理解し、説明できる。 12th 酸化・還元反応-5:金属の酸化還元反応 金属の酸化還元反応について理解し、説明できる。 13th 酸化・還元反応-6:イオン化傾向 イオン化傾向について説明できる。 14th 酸化・還元反応-7:電池 電池の仕組みについて理解し、説明できる。 15th 酸化・還元反応生物学1、生物学2 酸化・還元に関する基礎問題が解ける。ライフンスに関する内容について理解し、解説できる。 16th 期末試験 後期の内容に関する基礎問題を解き、説明できる。			1st 酸	・塩基の反応-	1:酸・塩基の性質	[ウス、ブレンス .	こついて理解し、説明できる。アレニ テッドローリーの酸・塩基を理解し、		
2nd Quarter 4th 酸・塩基の反応-4: pHと指示薬 pH、指示薬について理解し、測定方法、pHのついて考察、説明できる。 2nd Semeste r 6th 酸・塩基の反応-6: 中和反応と塩 中和反応について理解し、説明できる。 8th 酸・塩基の反応-7 酸・塩基の反応に関する基礎問題が解ける。 8th 酸化・還元反応-1: 酸化と還元 酸化と還元について理解し、説明できる。 9th 酸化・還元反応-2: 酸化数の変化 酸化数について理解し、酸化・還元反応前後の説明できる。 10th 酸化・還元反応-3: 酸化数の変化 機化表のな酸化剤、還元剤の性質を理解し説明できる。 11th 酸化・還元反応-4: 酸化還元反応式 酸化還元反応式を理解し、説明できる。 12th 酸化・還元反応-5: 金属の酸化還元反応式 金属の酸化還元反応について理解し、説明できる。 13th 酸化・還元反応-6: イオン化傾向 イオン化傾向について説明できる。 14th 酸化・還元反応-7: 電池 電池の仕組みについて理解し、説明できる。 15th 酸化・還元反応 生物学1、生物学2 酸化・還元に関する基礎問題が解ける。ライフンスに関する内容について理解し、解説できる。 16th 期未試験 後期の内容に関する基礎問題を解き、説明できる。			2nd 酸	・塩基の反応-				里解し、酸と塩基の強弱を説明できる		
3rd Quarter 4th 酸・塩基の反応-4: pHと指示薬 pH、指示薬について理解し、測定方法、pHのついて考察、説明できる。 5th 酸・塩基の反応-5: 中和反応と塩 中和反応について理解できる。塩の性質を理解明できる。 6th 酸・塩基の反応-6: 中和滴定 中和滴定について理解し、説明できる。 7th 酸・塩基の反応-7 酸・塩基の反応に関する基礎問題が解ける。 8th 酸化・還元反応-1: 酸化と還元 酸化数について理解し、説明できる。 9th 酸化・還元反応-2: 酸化数の変化 酸化数について理解し、酸化・還元反応前後の説明できる。 10th 酸化・還元反応-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 酸化・還元反応-4: 酸化還元反応式 酸化還元反応式を理解し、説明できる。 4th Quarter 12th 酸化・還元反応-5: 金属の酸化還元反応 金属の酸化還元反応について理解し、説明できる。 13th 酸化・還元反応-6: イオン化傾向 イオン化傾向について説明できる。 14th 酸化・還元反応-7: 電池 電池の仕組みについて理解し、説明できる。 15th 酸化・還元反応 生物学1、生物学2 酸化・還元に関する基礎問題が解ける。ラインンスに関する内容について理解し、解説できる。 16th 期末試験 後期の内容に関する基礎問題を解き、説明できる。			3rd 酸	・ 塩基の反応 –		,	 火素イオン濃度(こついて理解し、説明できる。		
2nd Semester r 6th 酸・塩基の反応 - 5:中和反応と塩 中和反応について理解できる。塩の性質を理解明できる。 4th Quarter 9th 酸化・還元反応 - 2:酸化数の変化 酸化と還元について理解し、説明できる。 4th Quarter 12th 酸化・還元反応 - 6:イオン化傾向 イオン化傾向 イオン化傾向について理解し、説明できる。 15th 酸化・還元反応 - 7:電池 ウェックを表する。 15th 財表試験 後期の内容に関する基礎問題を解き、説明できる。 2nd 関連できる。 中和滴定について理解し、説明できる。塩酸化と還元について理解し、説明できる。 2nd 関連できる。 12th 酸化・還元反応 - 5:金属の酸化還元反応 金属の酸化還元反応について理解し、説明できる。 2nd 関連できる。 13th 酸化・還元反応 - 7:電池 電池の仕組みについて理解し、説明できる。 15th 関化・還元反応 生物学1、生物学2 2次に関する基礎問題が解ける。ラインンスに関する内容について理解し、解説できる。 15th 関化・還元反応 生物学1、生物学2 2次に関する内容について理解し、解説できる。 2のよりに対し、解説できる。 2次に関する基礎問題が解ける。ラインンスに関する内容に可いて理解し、解説できる。						ı	H、指示薬につ	・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・		
2nd Semeste r 6th 酸・塩基の反応-6:中和滴定 中和滴定について理解し、説明できる。 8th 酸・塩基の反応-1:酸化と還元 酸・塩基の反応に関する基礎問題が解ける。 9th 酸化・還元反応-1:酸化と還元 酸化と還元について理解し、説明できる。 9th 酸化・還元反応-2:酸化数の変化 酸化数について理解し、酸化・還元反応前後の説明できる。 10th 酸化・還元反応-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 酸化・還元反応-4:酸化還元反応式 酸化還元反応式を理解し、説明できる。 12th 酸化・還元反応-5:金属の酸化還元反応 金属の酸化還元反応について理解できる。 13th 酸化・還元反応-6:イオン化傾向 イオン化傾向について説明できる。 14th 酸化・還元反応-7:電池 電池の仕組みについて理解し、説明できる。 15th 酸化・還元反応 生物学1、生物学2 次に関する基礎問題が解ける。ライフンスに関する内容について理解し、解説できる。 16th 期末試験 後期の内容に関する基礎問題を解き、説明できる。			5th 酸	· 塩基の反応 –			 中和反応につい ⁻			
2nd Semeste r 7th 酸・塩基の反応-7 酸・塩基の反応に関する基礎問題が解ける。 8th 酸化・還元反応-1:酸化と還元 酸化と還元について理解し、説明できる。 9th 酸化・還元反応-2:酸化数の変化 酸化数について理解し、酸化・還元反応前後の説明できる。 10th 酸化・還元反応-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。 1th 酸化・還元反応-4:酸化還元反応式 酸化還元反応式を理解し、説明できる。 12th 酸化・還元反応-5:金属の酸化還元反応 金属の酸化還元反応について理解できる。 13th 酸化・還元反応-6:イオン化傾向 イオン化傾向について説明できる。 14th 酸化・還元反応-7:電池 電池の仕組みについて理解し、説明できる。 15th 酸化・還元反応 生物学1、生物学2 酸化・還元に関する基礎問題が解ける。ライフンスに関する内容について理解し、解説できる。 16th 期末試験 後期の内容に関する基礎問題を解き、説明できる。			6th 概	・ 塩基の反応 –						
Semeste r 8th 酸化・還元反応 – 1:酸化と還元 酸化と還元について理解し、説明できる。 9th 酸化・還元反応 – 2:酸化数の変化 酸化数について理解し、酸化・還元反応前後の説明できる。 10th 酸化・還元反応 – 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 酸化・還元反応 – 4:酸化還元反応式 酸化還元反応式を理解し、説明できる。 12th 酸化・還元反応 – 5:金属の酸化還元反応 金属の酸化還元反応について理解できる。 13th 酸化・還元反応 – 6:イオン化傾向 イオン化傾向について説明できる。 14th 酸化・還元反応 – 7:電池 電池の仕組みについて理解し、説明できる。 15th 酸化・還元反応 生物学1、生物学2 数化・還元に関する基礎問題が解ける。ライフンスに関する内容について理解し、解説できる。 16th 期末試験 後期の内容に関する基礎問題を解き、説明できる。	2nd									
9th 酸化・還元反応-2:酸化数の変化 酸化数について理解し、酸化・還元反応前後の説明できる。 10th 酸化・還元反応-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 酸化・還元反応-4:酸化還元反応式 酸化還元反応式を理解し、説明できる。 12th 酸化・還元反応-5:金属の酸化還元反応 金属の酸化還元反応について理解できる。 13th 酸化・還元反応-6:イオン化傾向 イオン化傾向について説明できる。 14th 酸化・還元反応-7:電池 電池の仕組みについて理解し、説明できる。 15th 酸化・還元反応 生物学1、生物学2 酸化・還元に関する基礎問題が解ける。ライフンスに関する内容について理解し、解説できる。 16th 期末試験 後期の内容に関する基礎問題を解き、説明できる。	Semeste Semeste									
4th Quarter10th 11th酸化・還元反応 - 3:酸化剤、還元剤 酸化・還元反応 - 4:酸化還元反応式 12th 取るに関する内容に対し、説明できる。代表的な酸化剤、還元剤の性質を理解し説明できる。 金属の酸化還元反応式を理解し、説明できる。 金属の酸化還元反応について理解できる。 イオン化傾向について説明できる。 電池の仕組みについて理解し、説明できる。15th 15th酸化・還元反応 - 7:電池電池の仕組みについて理解し、説明できる。 電池の仕組みについて理解し、説明できる。 できる。 シスに関する内容について理解し、解説できる。 後期の内容に関する基礎問題を解き、説明できる。	ı					ē	酸化数について理			
4th Quarter12th Quarter酸化・還元反応 – 5:金属の酸化還元反応 13th金属の酸化還元反応について理解できる。 イオン化傾向について説明できる。 電池の仕組みについて理解し、説明できる。14th 15th 15th酸化・還元反応 – 7:電池電池の仕組みについて理解し、説明できる。 酸化・還元に関する基礎問題が解ける。ライフンスに関する内容について理解し、解説できる と別の内容に関する基礎問題を解き、説明できる。					1	代表的な酸化剤、				
Quarter13th酸化・還元反応 – 6: イオン化傾向イオン化傾向について説明できる。14th酸化・還元反応 – 7: 電池電池の仕組みについて理解し、説明できる。15th酸化・還元反応 生物学1、生物学2酸化・還元に関する基礎問題が解ける。ライフンスに関する内容について理解し、解説できる16th期末試験後期の内容に関する基礎問題を解き、説明できる										
14th 酸化・還元反応 – 7:電池 電池の仕組みについて理解し、説明できる。 15th 酸化・還元反応 生物学1、生物学2 酸化・還元に関する基礎問題が解ける。ライフンスに関する内容について理解し、解説できる 16th 期末試験 後期の内容に関する基礎問題を解き、説明できる										
15th 酸化・還元反応 生物学1、生物学2 酸化・還元に関する基礎問題が解ける。ライフンスに関する内容について理解し、解説できる 16th 期末試験 後期の内容に関する基礎問題を解き、説明できる		Quarter								
15th Bith を元文心 エッチェ、エッチェ ンスに関する内容について理解し、解説できる 後期の内容に関する基礎問題を解き、説明できる										
			15th 酸	化・還元反応 生	三物学1 、生物学2		はい。 とれた関する内容	ッる座唳回恩が胜いる。フイノゾイエ 客について理解し、解説できる。		
Evaluation Method and Weight (%)			16th 期	末試験		1	後期の内容に関	する基礎問題を解き、説明できる。		
Evaluation receive and recigite (70)	<u>Evaluat</u>	ion Meth	nod and We	eight (%)						
試験 その他 Total				試験		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	Akashi College		Year	2023			Course Title	Physical Education II-1	
Course :	Informa	tion	_	•		-1			
Course Co		5213			Course Categor	У	General	/ Compulsory	
Class Forr	nat	Skill			Credits	School Credit: 1			
Departme	nt	Electrical	and Computer I	Engineering	Student Grade				
Term		First Sen	nester		Classes per We	Week 2			
Textbook Teaching									
Instructor	•	ISHIDA N	Masami,KOBAYA	SHI Yuki					
Course	Objectiv	es							
Particip Can take the r	oate in class ke action to ecessary	sses to impro o conduct s action to do	rove students' ov ports safely. Also so.	wn health and physo, recognizes the s	sical strength. Als ignificance of col	so, ha labora	ve some lating and	evel of self-discipline. cooperating with the team and can	
Rubric									
			Ideal Level		Standard Level			Unacceptable Level	
Achievem	ent 1		improve their	gth. Have a high	Participate in cla their health and strength. Have self-discipline.	l phys	ical '	Do not participate in classes. Do not strive to improve their health and physical strength. Have a poor level of selfdiscipline.	
Achievem	ent 2		sport practices	sipate in various s and games, and petitive. Also have nce on games, etc.	Can actively par various sport pr games. And also for them.	actice	es and	Do not participate in various sport practices and games.	
Achievem	ent 3		Understand the well, and can teamwork.	ne role of a leader help increase	Understand and take on the role	can peof	play or leader.	Do not understand the role of a leader. Also, never play that role.	
Assigne	d Depar	tment Ob	iectives						
	g Metho		,						
Outline		the habit Students content.	of playing sport will split into an	s on a daily basis. oups and leaders v oose from: Baseba	This class require vill take the lead	es an to pla	active and	th of sports so that they can build d proactive attitude to participate. , and implement the course , basketball, volleyball, badminton,	
Style		the basic	: skills they learn k while collabora	ed in previous yea ating and cooperati	rs. They are also ing with vour tea	encoi m wit	uraged to h vour lea	ne rules, how to play games, and experience the fun of enhancing ader in the center. Students should as support their effort.	
Notice		grade. • Do no grade de • Tardir but their • If it is that class absence.	t wear or bring a duction. ness will be excu- attendance will discovered that s will be marked	accessories, watchesed for the first 20 be marked as abse a student left class	es, or any other u minutes. Studen ent. s early without be eir grade for prev	unneconts car eing e vious c	essary ite n participa xcused (d classes wil	nts will be deducted from their ms. These are also eligible for the in the class after 20 minutes, itching class), their attendance for I suffer a deduction equal to an on.	
Charact	eristics (of Class /	Division in Le	earning					
☑ Active	Learning		☐ Aided by I	СТ	☑ Applicable to	Rem	ote Class	☐ Instructor Professionally Experienced	
Course	Plan								
2 2 2 3 . 3 3			Theme			Goals			
		1st	Guidance Baseball, softbal	l, soccer, futsal, te yball, badminton, t isc	nnis,	Under	rstand the e. Split int	purposes and objectives of this teams in each sport and select a	
		2nd	Baseball, softbal basketball, volley training, flying d	l, soccer, futsal, te yball, badminton, t isc	able tennie	Can d reflect	o warm-u t on the c	p and practice, play games, and ass, led by a leader.	
1st Semeste r		3rd	Baseball, softbal basketball, volle training, flying d	l, soccer, futsal, te yball, badminton, t isc	abla tammin	Can do warm-up and practice, play games, a reflect on the class, led by a leader.			
		4th	Baseball, softball, soccer, futsal, tennis, basketball, volleyball, badminton, table tennis, training, flying disc			Can do warm-up and practice, play games, and reflect on the class, led by a leader.			
		5th	basketball, volley training, flying d		able tennis,	Can d reflect	o warm-u t on the c	p and practice, play games, and ass, led by a leader.	
		6th	Baseball, softbal basketball, volley training, flying d	l, soccer, futsal, te yball, badminton, t isc	abla tammin	Can d reflect	o warm-u t on the c	p and practice, play games, and ass, led by a leader.	
		7th	Baseball, softbal basketball, volle training, flying d	l, soccer, futsal, te yball, badminton, t isc	able tennic	Can d	o warm-u t on the c	p and practice, play games, and ass, led by a leader.	

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

А	kashi Co	llege	Year	2023			ourse Title	Physical Education II-2	
Course	Informa	tion				1			
Course Co		5214			Course Category	y	General	/ Compulsory	
Class Forr	nat	Skill			Credits		School C	redit: 1	
Departme	ent	Electrica	l and Computer	Engineering	Student Grade		2nd		
Term		Second 9	Semester		Classes per Wee	ek	2		
Textbook Teaching	Matérials								
Instructor	_		Takayuki,ISHIDA	Masami					
Particip Can tal	ke action t	ses to imp	sports safely. Als	wn health and phys o, recognizes the s	sical strength. Als ignificance of coll	o, hav abora	e some leting and o	evel of self-discipline. cooperating with the team and can	
Rubric					ı				
			Ideal Level		Standard Level			Unacceptable Level	
Achievem	ent 1		improve their	gth. Have a high	Participate in cla their health and strength. Have s self-discipline.	physi	ical ·	Do not participate in classes. Do not strive to improve their health and physical strength. Have a poor level of self-discipline.	
Achievement 2			sport practice are very comp	cipate in various s and games, and petitive. Also have nce on games, etc.	Can actively par various sport pro games. And also for them.	actice	s and	Do not participate in various sport practices and games.	
Achievem	ent 3		Understand the well, and can teamwork.	ne role of a leader help increase	Understand and take on the role			Do not understand the role of a leader. Also, never play that role.	
Assigne	d Depar	tment Ob	jectives						
Teachin	g Metho	d							
Outline		The 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: Baseball, softball, soccer, futsal, tennis, basketball, volleyball, baditable tennis, training, flying disc							
Style		Ithe basic	skills they learn	ied in previous vea	rs. They are also	encou	iraged to	re rules, how to play games, and experience the fun of enhancing ader in the center. Students should as support their effort.	
Notice		grade. Do no grade de Tardir but their If it is that clas absence	ot wear or bring a eduction. ness will be excu a attendance will discovered that s will be marked	accessories, watche sed for the first 20 be marked as abse a student left class	es, or any other u minutes. Student ent. s early without be eir grade for previ	innece ts can eing ex ious c	essary iten participa ccused (d lasses wil	nts will be deducted from their ms. These are also eligible for the in the class after 20 minutes, itching class), their attendance for I suffer a deduction equal to an	
Charact	eristics (Division in Le		will flot be eligib	<i>JIC</i> 101	evaluatio	711.	
		Ji Ciass /		•				☐ Instructor Professionally	
☑ Active	Learning		☐ Aided by I	CI	☑ Applicable to	Remo	ote Class	Experienced	
Course	Plan								
			Theme		(Goals			
		ISC		l, soccer, futsal, te yball, badminton, t isc	able tennic	Under course leader	e. Split int	purposes and objectives of this to teams in each sport and select a	
		2nd		l, soccer, futsal, te yball, badminton, t isc	abla tannia	Can do	o warm-u on the cl	p and practice, play games, and ass, led by a leader.	
		3rd	Baseball, softbal basketball, volle training, flying d	l, soccer, futsal, te yball, badminton, t isc	abla tannia	Can do	o warm-u on the cl	p and practice, play games, and ass, led by a leader.	
2nd Semeste r 3rd Quarter		4th	Baseball, softball, soccer, futsal, tennis, basketball, volleyball, badminton, table tennis, training, flying disc				Can do warm-up and practice, play games, and reflect on the class, led by a leader.		
		5th	basketball, volle training, flying d		able tennis,	Can do	o warm-u on the cl	p and practice, play games, and ass, led by a leader.	
		6th	Baseball, softbal basketball, volle training, flying d	l, soccer, futsal, te yball, badminton, t isc	abla tannia	Can do	o warm-u on the cl	p and practice, play games, and ass, led by a leader.	
	7th		Baseball, softbal basketball, volle training, flying d	l, soccer, futsal, te yball, badminton, t isc	abla tannia			p and practice, play games, and ass, led by a leader.	

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

A	kashi Co	ollege	Year	2023		Cours		English II A-1	
Course 1	Informa	tion				Title			
Course Co		5215			Course Categor	rv Gene	ral /	Compulsory	
Class Forn		Lecture			Credits	,		edit: 1	
Departme		Electrica	al and Computer E	Engineering	Student Grade	2nd			
Term	-	First Se	•		Classes per We	ek 2			
Textbook Teaching		Crown I	English Communic	cation II / Crown S	tudy Note / Cro	wn WORKBC	OK /	Listening CDs	
Instructor	-	HERBER	RT John C.						
use it app 2) To revi study guid 3) To revi school lea 4) To read	ew the vo propriately ew the gr delines. ew senter pring guice d sentence	cabulary le ammar lea nce structu lelines. es, underst	rned at junior hig res learned in jun	h school, and learr ior high school and and extract neces	n to use gramma I learn to use se sary informatior	ar rules appr ntence struc	opriat tures th tex	h school learning guidelines, and tely, according to the high school appropriately, following the high ts.	
Rubric					1			T	
			Ideal Level		Standard Level			Unacceptable Level	
Achievement 1			new vocabular	as well acquired ry following the arning guidelines n appropriately.	The student ha vocabulary follo school learning uses them app	owing the high	ah	The student has neither acquired new vocabulary following the high school learning guidelines nor used them appropriately.	
Achievem	ent 2		use grammar appropriately,	as well learned to rules according to the udy guidelines.	The student ha grammar rules according to the study guideline	appropriate e high schoo	ly,	The student has not learned to use grammar rules appropriately, according to the high school study guidelines.	
Achievem	ent 3		use sentence s appropriately, school learning	following the high guidelines.	The student has learned to use sentence structures appropriately, following the high school learning guidelines.			The student has not learned to use sentence structures appropriately, following the high school learning guidelines.	
Achievem	ent 4				sentences, und outlines, and e	The student can read sentences, understand text outlines, and extract necessary information from English texts.		The student can not read sentences, understand text outlines, or extract necessary information from English texts.	
Achievem	ent 5		English pronui accent rules so can speak clea	nas well acquired nciation skills and o that the student arly and to 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 or accent rules so that the student can speak clearly and communicate to the listener.	
Assigne	d Denar	tment O	bjectives	to the listerier.	reommanicate t	o the listeric		communicate to the listerier.	
	g Metho		Бјесичез						
reacriiri	g Metric		n English learned	in junior high scho	ool this class is	to help stude	ents i	inderstand the basic structure of	
Outline		Enalish	sentences and ac	quire reading skills o perform word te	: to help them a	cauire the a	bility	to listen and express simple	
Style		A hando	out will be provide	re for the classes ted in the first week	. Study the hand	dout and und	dersta	and it in detail.	
Notice		Quizzes Student	are used to incre s who miss 1/4 o	ase student vocabor r more of the class	ulary and develo es will not be el	p listening a igible for eva	bility. Iluatio	on.	
Charact	eristics (of Class	/ Division in Le	earning					
☑ Active	Learning		☐ Aided by I	 CT	☑ Applicable to	o Remote Cl	ass	☐ Instructor Professionally Experienced	
								Lxperienced	
Course	Plan								
			Theme			Goals			
		1st	Course guidance (Course progress	s method, learning	method, etc.)	Understand	cours	se content and assignments.	
		2nd	Chapter 1 Part 1	/2				ntent learned in junior high and the basic structure of English	
	3rd (Chapter 1 Part 3	/4		Based on the school, und language.	e con	ntent learned in junior high and the basic structure of English	
1st Semeste	1st Quarter	4th	Language and Cu	ulture Workshop		Understand through aut	ing th	ne cross-cultural communication c materials.	
			Chapter 2 Part 1	/2		Based on th school, und language.	e con erstar	ntent learned in junior high nd the basic structure of English	
6th C		6th	Chapter 2 Part 3	Chapter 2 Part 3/4			Based on the content learned in junior high school, understand the basic structure of English language.		
				Review			Understanding the weak points on the content learned so far.		

		8th	Chapter 3 Pa	art 1/2		Learn	the vocabulary and gi	rammar rules set as		
		9th	Chapter 3 Pa	art 3/4		Learn lessor	Learn the vocabulary and grammar rules set as lesson tasks.			
		10th	Chapter 4 Pa	art 1/2			Learn the vocabulary and grammar rules set as lesson tasks.			
		11th	Chapter 4 Pa	art 3/4			Learn the vocabulary and grammar rules set as lesson tasks.			
	2nd Ouarter	12th	Review				Understanding the weak points on the content learned so far.			
	Quarter 1		Chapter 5 Pa	art 1/2			Learn the vocabulary and grammar rules set as lesson tasks.			
	1.	14th	Chapter 5 Pa	art 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 E	xam	Quizzes	Assignments		Behavior/Active Learning	Total		
Subtotal		40		40	10		10	100		
Basic Prof	oficiency 40 40		40	10		10	100			
Specialize Proficienc		0 0		0		0	0			
Cross Are Proficienc	Area o o		0		0	0				

Д	kashi Co	ollege	Year	2023		Cours		English II A-2	
Course	Informa	tion	ı			, , , , , , ,			
Course Co		5216			Course Categor	ry Gen	eral /	Compulsory	
Class For	mat	Lecture			Credits	<i>'</i>	ool Cre		
Departme			al and Computer I	Engineering	Student Grade	2nd			
Term			Semester		Classes per We	ek 2			
Textbook Teaching		Crown E	English Communic	cation II / Crown S	tudy Note / Cro	wn WORKB	оок		
Instructo	<u> </u>	INOUE I	Hidetoshi						
1) To rev use it app 2) To rev study gui 3) To rev appropria 4) Can re	propriately iew the gr delines. iew senter tely, follow ad senten	cabulary le ammar lea nces structo wing the hig ces written	rned at junior hig ures learned in ju gh school learning in English, undei	h school, and learn nior high school, and g guidelines. stand the text out	n to use grammand learn to use so	ar rules app sentence str	ropriat ucture sary ir	th school learning guidelines, and tely, according to the high school es and operate them of the high school downstion.	
Rubric						•			
			Ideal Level		Standard Level			Unacceptable Level	
Achievement 1			new vocabula	as well acquired ry following the arning guidelines propriately.	The student havocabulary folloschool learning use it appropria	owing the h guidelines	iah	The student has not acquired new vocabulary following the high school learning guidelines and use it appropriately.	
Achievement 2			use grammar appropriately,	as well learned to rules according to the udy guidelines.	The student ha grammar rules according to the study guideline	appropriate e high scho	ely,	The student has not learned to use grammar rules appropriately, according to the high school study guidelines.	
Achievem	ent 3		use sentence	as well learned to structures and appropriately, high school elines.	sentence structures and operate them appropriately, following the high school learning		The student has not learned to use sentence structures and operate them appropriately, following the high school learning guidelines.		
Achievem	sentence chievement 4 understa			an well read tten in English, e text outline, act necessary	The student can read sentences written in English, understand the text outline, read and extract necessary information.			The student can not read sentences written in English, understand the text outline, read and extract necessary information.	
Achievem	ent 5		English pronu accent rules s can speak clea	nas well acquired nciation skills and o that the student arly and to 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 Ol	ojectives						
	g Metho		- .						
Outline	9 1 100110	Based o	reading skills. To	school learned con acquire the ability abulary knowledge	to listen and ex	and the bas press simple	sic stru e Engli	acture of English sentences and ish sentences. To perform word	
Style		Attend t	he classes, prepa	abulary knowledge are for the classes s in the first week.	studvina the rele	evant section	ns of t	he workbook. and it in detail.	
Notice		Use quiz	zzes to increase s	tudent vocabulary r more of classes v	and develop list	ening ability	/.	-	
<u>Charact</u>	eristics	of Class /	Division in Le	earning					
□ Active	Learning		☐ Aided by I	СТ	☑ Applicable t	o Remote C	lass	☐ Instructor Professionally Experienced	
Course	Plan								
Course	luli		Theme			Goals			
		1 -4	Course guidance						
		1st	(Course progress	s method, learning	method, etc.)			se content and assignments. Ilary and grammar rules set as	
		2nd 3rd	Chapter 5 Part 1 Chapter 5 Part 2	·		lesson task Learn the v	s. ⁄ocabu	llary and grammar rules set as	
ا م		4th	Chapter 5 Part 3	<u> </u>	lesson tasks. Learn the vocabulary and grammar ru		llary and grammar rules set as		
2nd Semeste r	3rd Quarter	5th	End-of-chapter (<u> </u>			ocabu	llary and grammar rules set as	
		6th	Chapter 6 Part 1			lesson tasks. Learn the vocabulary and grammar rules set as			
		7th	Chapter 6 Part 2	-		lesson tasks. Learn the vocabulary and grammar rules set as lesson tasks.			
		8th	Mid-term exam			Test the st	udent	understanding of the content	
		001	i na terri exam			learned so far.			

			_							
		9th	Return and expla Chapter 6 Part 3	in mid-term ex /4	am	To overcome v	veak points			
		10th	Chapter 6 Part 4 End-of-chapter Q	uestions		Learn the voca lesson tasks.	Learn the vocabulary and grammar rules set as lesson tasks.			
		11th	Chapter 7 Part 1,	/2		Learn the voca lesson tasks.	Learn the vocabulary and grammar rules set as lesson tasks.			
	4th	12th	Chapter 7 Part 2,	/3		Learn the voca lesson tasks.	Learn the vocabulary and grammar rules set as lesson tasks.			
	Quarte	r 13th	Chapter 7 Part 3,	/4		Learn the voca lesson tasks.	bulary and grar	nmar rules set as		
		14th	End-of-chapter Q	uestions		Learn the voca lesson tasks.	Learn the vocabulary and grammar rules set as lesson tasks.			
		15th	Chapter 7 Part 1,	/2		Learn the voca lesson tasks.	Learn the vocabulary and grammar rules set as lesson tasks.			
		16th	Final exam			Test the stude learned so far.	Test the student understanding of the content learned so far.			
Evaluat	ion Me	thod and	Weight (%)							
		Examination	Assignments	Quizes	Behavior	Portfolio	Other	Total		
Subtotal		50	30	20	0	0	0	100		
Basic Proficienc			30	20 0		0	0	100		
	Specialized 0		0	0	0	0	0	0		
	Cross Area Proficiency		0	0	0	0	0	0		

А	kashi Co	ollege	Ye	ear	2023		Cou		English II B-1
Course	Informa	tion	1				110		
Course Co		5217				Course Category	/ Ge	neral /	Compulsory
Class For		Lecture				Credits			redit: 1
Departme	ent	Electrica	l and Comp	outer I	Engineering	Student Grade	2n	d	
Term		First Ser	nester		5	Classes per Wee	ek 2		
Textbook Teaching		(1) Visio	on Quest (参	考書	教科書・Workbook	<) (2) データベー	-ス4500!	5th Edi	tion (3) ネクステージ 4th Edition
Instructor	r	INOUE H	Hidetoshi						
1) To reviuse it app 2) To revistudy guid 3) To reviappropria	propriately iew the gr delines. iew senter tely, follov	cabulary le ammar lead nces structu ving the hid	rned at juni ures learned gh school le	ior hig d in ju earning	h school, and learr nior high school, a g guidelines.	n to use gramma nd learn to use se	rules ap	propria	gh school learning guidelines, and ately, according to the high school res and operate them and communicate to the listener.
Rubric									
			Ideal Le	vel		Standard Level			Unacceptable Level
Achievem	Achievement 1			abula ool le	as well acquired ry following the arning guidelines propriately.	The student has vocabulary follor school learning use it appropria	wing the guideline	high	The student has not acquired new vocabulary following the high school learning guidelines and use it appropriately.
Achievement 2 use grammar r			according to the	The student has grammar rules a according to the study guidelines	appropria high sch	telv.	The student has not learned to use grammar rules appropriately, according to the high school study guidelines.		
Achievem	The student has well learned to use sentence structures and sentence structures and opera				operat				
Achievem		English accent r	pronu ules s ak clea	as well acquired nciation skills and o that the student and to the listener.	The student has acquired English pronunciation skills and accent rules so that the student can speak clearly and communicate to the listener				
Assigne	d Depar	tment Ol	ojectives						
Teachin	g Metho	d							
Outline		Based o	n the junion the ability t ary knowled	o liste	school learned con n and express sim	tent, to understa ple English sente	nd the bances. To	asic str perforr	ructure of English sentences. To m word tests and strengthen
Style					re for the classes s	studying the relev	ant secti	ons of	the workbook.
Notice		Use quiz	zes to incre	ease s	tudent vocabulary r more of classes v	and develop liste	ning abili	ty.	
						vill not be eligible	for evalu	uation.	
Charact	eristics	of Class /	<u>Division</u>	in Le	earning	1			1
☐ Active	Learning		☑ Aideo	d by I	CT	☑ Applicable to	Remote	Class	☐ Instructor Professionally Experienced
Course	Plan								
Course	lan		Theme				Goals		
		1st		nmarv	/ explanation			nd the	class schedule
		2nd	Unit 1			ı		vocab	ulary and grammar rules set as
		3rd	Unit 2			1	_earn the esson tas	vocab	ulary and grammar rules set as
	1st	4th	Unit 3				_earn the esson tas	vocab sks.	ulary and grammar rules set as
	Quarter	5th	Unit 4			I	_earn the esson tas	vocab	ulary and grammar rules set as
1st		6th	Unit 5				_earn the esson tas		ulary and grammar rules set as
Semeste r 7th F			Review			Į.	Jndersta earned s	nding t o far a	he weak points on the content nd preparing for the exam.
		8th	Mid term e	exam		-	Test the s earned s	studen o far.	t understanding of the content
		9th	Return and	Return and explanation of mid term exam			To overcome weak points		
ı	2nd	10th	Unit 6			I	Learn the vocabulary and grammar rules set as lesson tasks.		
	Quarter	11th	Unit 7			Learn the vocabulary and grammar rules set as lesson tasks.			
		12th	Unit 8			I	_earn the esson tas	vocab sks.	ulary and grammar rules set as

						$\overline{}$				
		13th	U	nit 9			Learn the vocabulary an lesson tasks.	d grammar rules set as		
		14th	U	Unit 10 Review End term exam			Learn the vocabulary and grammar rules set as lesson tasks.			
		15th	Re				Understanding the weak points on the content learned so far and preparing for the exam.			
		16th	Er				Test the student understanding of the content learned so far.			
Evaluati	on Meth	od an	d We	eight (%)		-				
		1	zami	ination	Short Tests	Ot	thers	Total		
Subtotal		į	50		30	20)	100		
Basic Prof	iciency	į	50		30	20)	100		
Specialize	pecialized Proficiency 0			0	0		0			
Cross Area Proficiency C				0	0		0			

А	kashi Co	ollege	Year	2023		Cou		English II B-2	
Course	Informa	tion	1			1 110			
Course Co		5218			Course Category	y Ge	neral /	Compulsory	
Class For	mat	Lecture			Credits	Sc	hool Cr	edit: 1	
Departme	ent	Electrica	al and Computer	Engineering	Student Grade	2n	d		
Term			Semester		Classes per Wee				
Textbook Teaching	Matérials	<u>ージ 4th</u>	Edition `	・教科書・Workbool	(· Quick Review)	(2) デ-	-タベー	ス4500 5th Edition (3) ネクステ	
Instructor			Hidetoshi						
1) To reviuse it app 2) To revistudy guid 3) To reviappropria	propriately iew the gr delines. iew senter tely, follow	ocabulary le ammar lea nces structi wing the hi	rned at junior hi ures learned in ju gh school learnir	gh school, and learn unior high school, a g guidelines.	n to use grammar nd learn to use se	r rules ap entence s	propria	gh school learning guidelines, and ately, according to the high school es and operate them d communicate to the listener.	
Rubric									
			Ideal Level		Standard Level			Unacceptable Level	
Achievement 1			new vocabula	nas well acquired ary following the earning guidelines propriately.	The student has vocabulary follow school learning use it appropriate	winġ the guideline	high	The student has not acquired new vocabulary following the high school learning guidelines and use it appropriately.	
Achievement 2			use grammar appropriately	nas well learned to rules , according to the tudy guidelines.	The student has grammar rules a according to the study guidelines	appropria e high sch	itely,	The student has not learned to use grammar rules appropriately, according to the high school study guidelines.	
Achievem	ent 3		use sentence		The student has sentence structuthem appropriate the high school guidelines.	ures and tely, follo	operate	The student has not learned to use sentence structures and operate them appropriately, following the high school learning guidelines.	
Achievement 4			English pronu accent rules s can speak cle	nas well acquired inciation skills and so that the student early and to 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 Ol	bjectives						
Teachin	g Metho	od							
Outline		Based o acquire	on the junior high the ability to list ary knowledge.	school learned cor en and express sim	itent, to understa ple English sente	nd the b	asic str perforn	ucture of English sentences. To n word tests and strengthen	
Style		Attend t	the classes, prep	are for the classes	studying the relev	ant sect	ions of	the workbook.	
Notice		Use quiz	zzes to increase	student vocabulary or more of classes v	and develop liste	ning abil	ity.		
					vill not be eligible	for evalu	uation.		
Charact	eristics	of Class /	/ Division in L	earning				T	
☐ Active	Learning		☑ Aided by I	СТ	☑ Applicable to	Remote	Class	☐ Instructor Professionally Experienced	
Course	Plan								
254.50			Theme		10	Goals			
		1st	Course summar	y explanation			nd the	class schedule	
		2nd	Unit 1	,	I I	Learn the esson ta	vocabi sks.	ulary and grammar rules set as	
		3rd	Unit 2		I	Learn the esson ta	vocabi sks.	ulary and grammar rules set as	
	3rd	4th	Unit 3			esson ta	sks.	ulary and grammar rules set as	
	Quarter	5th	Unit 4		1	esson ta	sks.	ulary and grammar rules set as	
2nd Semeste		6th	Unit 5		1	esson ta	sks.	ulary and grammar rules set as	
			Review			Understanding the weak points on the content learned so far and preparing for the exam.			
		8th	Mid term exam			earned s	o far.	understanding of the content	
		9th	·	anation of mid tern		To overcome weak points			
	4th Quarter	10th	Unit 6			Learn the vocabulary and grammar rules set as lesson tasks. Learn the vocabulary and grammar rules set as			
	Quarter	11th	Unit 7			esson ta	sks.		
		12th	Unit 8			Learn the vocabulary and grammar rules set as lesson tasks.			

						$\overline{}$				
		13th	U	nit 9			Learn the vocabulary an lesson tasks.	d grammar rules set as		
		14th	U	Unit 10 Review End term exam			Learn the vocabulary and grammar rules set as lesson tasks.			
		15th	Re				Understanding the weak points on the content learned so far and preparing for the exam.			
		16th	Er				Test the student understanding of the content learned so far.			
Evaluati	on Meth	od an	d We	eight (%)		-				
		1	zami	ination	Short Tests	Ot	thers	Total		
Subtotal		į	50		30	20)	100		
Basic Prof	iciency	į	50		30	20)	100		
Specialize	pecialized Proficiency 0			0	0		0			
Cross Area Proficiency C				0	0		0			

А	kashi Co	ollege	Year	2023			ourse Title	Co+work I A		
Course :	Informa	tion								
Course Co	ode	5219			Course Categor	γ	General,	/ Compulsory		
Class Forr	mat	Seminar			Credits		School C	redit: 1		
Departme	ent	Electrical	and Computer E	ingineering	Student Grade		2nd			
Term		First Sem	ester .		Classes per We	ek	2			
Textbook Teaching			k book~3年間a	D記録』、Co+wor	rk学生ポータルサイト、その他、各チームの活動の内容に応じて適宜担当					
Instructor	-	All faculty								
Course	Ohiectiv									
自律に関す協働に関す	る到達目標 る到達目標	票:自己調整力票:他者を尊重	ができる。 這しながらチームで £見し新しい提案が	で作業ができる。 ができる。						
Rubric										
			理想的な到達レ	ベルの目安	標準的な到達レイ	ベルの目	ョ安	未到達レベルの目安		
自律に関す	る到達目標	E.	た報告・連絡・を立て振り返る	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。 れらのことをやる	目談がて ことがて	ごき、目標 ごきる。こ	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	る到達目標	<u></u>	他者の意見をし 者を受け入れつ る。また、協働 とができる。こ	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 者を受け入れつて る。また、協働付 とができる。これ べき時に行う。	つ自己表 作業に買	長現ができ 貢献するこ	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	⁻ る到達目標		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	情報の意味づけを ものやしくかの提 できる。また提案 範囲を特定できる らを自分なりの判 最善と思う行動を	新しいものやし、ことができる。 影響や範囲を特別 これらのことをも	また提案 定できる	その及ぼす る。また、	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 Obj	ectives							
	g Metho									
Outline		本授業は、 。1人の教 交わりなど て行動しチ 誰かを幸も	員か1チームもし ゛)の中で、自律、	くは2チームを担当 協働、創造の能力 発揮して、メンバー 会との関わりを持つ	当する。多様な環境 を養成することを	も(他学 目的とで	『枓・他字』 する。受講	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 住は、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		内の人間関通じて、その担害を作成 ・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・	『係を構築する。》 『の理解を深める。 『する。第7週の計 ○当教員や学生から 『しながら計画的に 『行いチーム活動幸	欠にチームで、SDG それから話し合い 画発表会・意見交換 の助言を受ける。	s(持続可能な開身 を通じて、SDGsの 致会にてチームの活 助言を受け、適宜 イプの作成、実践 教員に提出する。	発目標) D目標に 野サーム 活動なん 必要に	の17の目 つながる: マについで計画の修 どを進める むじて修正	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、プ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。		
Notice		(2) チー (3) 成果 上記 (1) う。(2)	-ムの取り組み209 20%(協働(50 は、ルーブリッ (3)は計画発表	(自律(40%) +1 % (協働(50%) + 9%) +創造(50% クを用いた学生の自 長会での複数の教員 †(割合) 1/4以上の	-創造(50%)))) 己評価、相互評価 などによる評価と	iと教員	の評価をも	5とに、チームの担当教員が評価を行 2合格とする。		
Charact	eristics (of Class /	Division in Le	arning						
☑ Active			☑ Aided by IC		☑ Applicable to	o Remo	ote Class	☐ Instructor Professionally Experienced		
Course	Plan	<u> </u>								
		Т	heme			Goals				
		1st 担	ナリエンテーション 受業ガイダンス、ラ 受業ガイダンスを する諸注意、評価フ	ン チームビルディング 受け、全体スケジュ 方法等を確認する。 つせ、チームビルデ	担当教員とチー		業の目的や	»進め方を理解する		
1st Semeste r	Semeste Ouarter 2r		目で定めて記録する ってアイデアを出し 快定した活動目標(・カンバーの領占わら、テームにルティン・動目標の決定および活動内容の計画、自いでとめて記録する。チーム活動に向け、ディアイデアを出し議論をする。 でにも活動目標に沿って、実施方法、役がジュール等を決定し活動計画書にまとめ			自律、協働、創造の能力を身に付ける			
		3rd 7	Fーム活動の目標だる でを出し議論をする は、役割分担、スク	る。決定した活動目	計画 ・一マに沿ってアイデ ・動目標に沿って、方 ・決定し活動計画書に 自律、協働、創造の能力を身に付ける					

Subtotal	2	24		24	12	20		20	100	
			プロセ 自律) 	個人評価(プロセ ス評価)(協働)	個人評価(プロセス評価)(創造)	物、幸働)	路台会)(協 	物、報告会)(創造)	Total	
Evaluation						エー /	 ュ評価(成果	チーム評価(成果		
Fig. 1	- N4 ''	16th	•	険 実施せず - (0/)						
		15th	前期の指針のは一般では、一般では、一般では、一般では、一般では、一般では、一般では、一般では	今後の活動計画を確認 津、協働、創造に関し 己および相互に記録す 録をもとにチーム担当 を受ける。) ここれまでのチーム活 窓する。各自のチーム活 して目標達成した点や ける。自己および相互 は教員より個別にフィ	省み 反省 の行	チームや自身の行動を客観的にふりかえることができ る			
		14th	前期の指針では、自行を自己を自己を自己を自己を自己を自己を言う。	今後の活動計画を確認 聿、協働、創造に関し 己および相互に記録す) ここれまでのチーム活 思する。各自の行動を いて目標達成した点や ける。自己および相合 対象員より個別にフィ	省み 反省 の行	チームや自身る	の行動を客観的にふり)かえることができ	
I I	uarter	13th	チーム流活動計画ルの遅る	画書に従ってチームで	で活動を行う。スケジ 等が明らかになった場 5。		自律、協働、	創造の能力を身に付い	ける	
2	nd	12th	ルの遅	画書に従ってチームで 延や実施方法の不備等	で活動を行う。スケジ 学が明らかになった場 う。中間報告会の準備	合、	自律、協働、	創造の能力を身に付い	ける	
		11th	チーム流活動計画ルの遅る	画書に従ってチームで 近や実施方法の不備等	ご活動を行う。スケジ が明らかになった場 う。中間報告会の準備	合、	自律、協働、	創造の能力を身に付い	ける	
		10th	チーム流活動計画ルの遅る	舌動 画書に従ってチームで 延や実施方法の不備等	で活動を行う。スケジ 計が明らかになった場 う。中間報告会の準備	合、	自律、協働、	創造の能力を身に付い	ける	
		9th	ルの遅る	画書に従ってチームで	で活動を行う。スケジ 等が明らかになった場 う。	ユー 合、	自律、協働、	創造の能力を身に付い	 ける	
		8th	計画発表	見直し・チーム活動 表会&意見交換会を踏 ナジュールの遅延やす に場合、活動計画の値	替まえ、計画の見直し 関応方法の不備等が明 変正・変更を行う。	を行 らか	自律、協働、	創造の能力を身に付い	ける	
		7th	活動内容		チームの活動について 企聞き、意見交換を行		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だ 活動を共有し評価し、	ができる 意見を伝えること	
		6th	チーム流活動計画	 舌動	で活動を行う。計画発		自律、協働、	創造の能力を身に付い	ける	
		5th	チーム流アを出し	、議論をする。決定し	Pi容の計画 け、テーマに沿ってア した活動目標に沿って し等を決定し活動計画 はする。	、方	自律、協働、	創造の能力を身に付ん	ける	
		4th	チーム活アを出し法、役割	票の決定および活動♪ 舌動の目標決定に向い J議論をする。決定し 削分担、スケジュール る。完成後は活動を身	t、テーマに沿ってア いた活動目標に沿って い等を決定し活動計画	イデ 、方 書に	自律、協働、	創造の能力を身に付い	ける	

基礎的能力

専門的能力

分野横断的能力

А	kashi Co	ollege	Year	2023			ourse Title	Co+work I B	
	Informa			l			riue		
Course Co		5220			Course Catego	rv	General /	Compulsory	
Class For		Seminar			Credits	. ,	School Cr	<u> </u>	
Departme			l and Computer I	Engineering	Student Grade		2nd		
Term	-		Semester		Classes per We	/eek 2			
Textbook Teaching		_		d the required mate	· · · · · · · · · · · · · · · · · · ·			contents of the activity of each	
Instructor		All facult	V						
	Objectiv	-	,						
1) Self-re 2) Co-ope	liance: To	acquire ind	the ability to wo	lf-management ab rk in teams and res er and organize inf	spect the teamm	nates. ver and	l propose s	solutions to problems.	
Rubric									
			Ideal Level		Standard Level			Unacceptable Level	
1 Self-reli	iance		Schedule mar reporting, con planning goals teammates	itact, consultation,	Individually abl management, contact, consul goals.	reportir	ng,	Not able to schedule management, reporting, contact, consultation, and planning goals	
2 Co-opei	ration skill	S	to express the	ent opinions, able e student personal ability to lead the onsensus.	Open to differe to express the opinion, and at attributed role	studen oility to	t personal play the	Not open to different opinions, not able to express the student personal opinion, and can't to play the attributed role in the team.	
3 Creative	e Skills		gather inform and summariz information, for	orm ideas and	The student ca gather informa and summarize information, ar ideas to others	tion, or e this nd expla	rganize	The student can't voluntarily gather information, can't organize and summarize this information, and can't explain those ideas to others.	
Assiane	Assigned Department Obje								
	g Metho								
Outline		student of departments charge a someone	can contribute to ents, different ac nd challenge the other than the	o a team in a variet ge, and people fron emselves in creating	y of environmer n outside the scl g something or p ach team has to	nts (wo hool). E perform elabora	rking with Each group n activities ate a plan	ative skills in a manner that the students from other o is to work with the instructor in that will bring happiness to and do its activities. The students tive evaluation.	
Style		group wi breaks a and disco toward a of self-re teacher i individua performa	ith multiple stude nd other activitie over a problem to a solution to the eliance, co-opera in charge of the al goals. The cou	ents. After each stues that will help to loow owrk with, make problem. Through tion, and creativity team. Based on the rse rubric is used to	udent introduces build relationship plans, divide ro working to solve the cour course rubric to self-evaluation	thems ps with les ame this pr se star distribut n, mutu	selves to the in the groue ong the meroblem the the the the the the the the the the	domly selected to compose a ne team, they will perform ice use team, they will perform ice use the team will discuss embers and work together estudents will achieve the goals are that you can contact the seach student has to establish ion, and to evaluate the ent has to fill a retrospective shee	
Notice		evaluation the end	on by the teacher of the term (2).	e course is composer in charge of the tour of classes were of classes were the contractions and the contractions are more of classes were contractions.	eam (1), and m	ultiple f	faculty me	dents, mutual evaluation, mbers at the briefing session at	
Charact	eristics		Division in Le		THE THE CHYDIN	C 101 E	valuatiOII.		
☑ Active		oi Ciuss /	☑ Aided by I	•	☑ Applicable t	o Remo	ote Class	☐ Instructor Professionally Experienced	
C-	DI-		•						
Course	rian 		 Theme			Goale			
1st		Course overall g members of each confirmation of cadvice regarding evaluation methors	heme fourse overall guidance, presentation fourse overall guidance, presentation formation of course schedule, resion formation method. Later team member and the teacher in charge mee		ing guidance, strictions and anation of the mbers and the		f-reliance, Co-operation and		
2nd Semeste r 3rd Quarter	2nd	Each student set goals. The team the activities. La goal, the group method, division	the activity target will discuss ideas a ter according to th will work on the im of roles among th hich will be summa	and a theme to e team activity plementation e members		quire Self-r ve Skills.	reliance, Co-operation and		
3rd		3rd	goals. The team the activities. La goal, the group method, division	the activity target will discuss ideas a ter according to th will work on the im of roles among th hich will be summa	and a theme to e team activity plementation e members	To acquire Self-reliance, Co-operation and Creative Skills.			

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

Akashi C	ollege	Year	2023		Course	Electric Circuits II A		
Course Informa		. 50.			Title			
Course Code	5226			Course Categor	y Specia	lized / Compulsory		
Class Format	Lecture			Credits		mic Credit: 2		
Department		and Computer I	Engineering	Student Grade	2nd	THE CICUIC 2		
Term	First Sem	•	Lingineering	Classes per Week 2				
Textbook and/or Teaching Materials	THISC SCH	103101		Tolasses per TTE	CIX L			
Instructor	KAJIMUR	A Yoshihiro						
Course Objectiv	/es							
elements, and can Evaluation point 2: them in the calcula Evaluation point 3: calculate them. Evaluation point 4:	use it in the Understand tion of a sine Can explain	calculation of ar and can explain wave AC circui the principle an	n electrical circuit. I the instantaneous t. d method of measi luctance circuits wo	values, phaser, uring effective poork, and calculate	and complex ower, reactive	resistance, coils, and capacitor number expressions, and can use power, and power factor, and ges, currents, etc. , line current) in three-phase AC.		
Rubric								
		Ideal Level		Standard Level		Unacceptable Level		
Achievement 1		between volta resistance, co	ne relationship age and current in ils, and capacitor I can use it in the ation of an uit.	Understand the between voltag resistance, coils elements, and c calculation of an circuit.	e and current s, and capacit can use it in t	or and current in resistance, coils,		
Achievement 2		instantaneous and complex r expressions, a	and can use them calculation of a	Understand and instantaneous vand complex nuexpressions, an in the calculation AC circuit.	/alues, phasei umber id can use the	values, phaser, and complex		
Achievement 3		method of me	•		e principle and suring effective power, and	Cannot explain the principle and method of measuring effective power, reactive power, and power factor.		
		Can perform a calculations of currents, etc. inductance cir	f [·] voltages, in mutual	Can calculate vo currents, etc. ir inductance circu	n mutual	Cannot calculate voltages, currents, etc. in mutual inductance circuits, etc.		
		Can perform a calculations of currents (phase voltage, line caphase AC.		Can calculate vocurrents (phase voltage, line curphase AC.	e voltage, line	Cannot calculate voltages and currents (phase voltage, line voltage, line current) in three-phase AC.		
Assigned Depar	tment Ob							
Teaching Metho	•	,						
Outline	The goals voltage, o engineeri	s of this course a current, and imping, and be able learn them.	are to be able to expedance in the AC of to calculate them.	plain the meanir circuit theory, wh The class also ir	ng and application is the base and application is the base areastication.	ation of physical quantities such as sis of electrical and electronic ce problem exercises, etc. to help		
Style	Explanati	ons will be giver	n in line with the te port assignments o	extbook. The clas	s will be carri	ed out using slides and worksheets.		
Notice	This cour guarante assignme assignme the end o	rse's content will ed in classes and ent reports. The ents including wo of each chapter.	l amount to 180 ho d the standard self- overall evaluation	ours of study in to -study time requestill be based 80° ing class. The regree for a pass will	otal. These ho lired for pre-s % on periodic ports will be be 60%.	ours include learning time tudy / review, and completing exams, and 20% on report mostly made up of the questions at g grade.		
Characteristics	of Class /	Division in Le	earning					
☑ Active Learning		☑ Aided by I	СТ	☑ Applicable to	Remote Clas	☐ Instructor Professionally Experienced		
Course Plan								
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-	Theme			Goals			
1st			matics exercise I			derivative and complex numbers.		
			matics exercise II		Can calculate			
1st 1st		Sine wave AC, m				ine wave AC and calculate mean		
Semeste Quarter	4th F	RMS values			Can calculate	RMS values.		
	I-u I-	<u> </u>						
	5th F	Resistive circuits	S		Can find the	current in a resistive circuit.		
		Resistive circuits Inductance circu				current in a resistive circuit.		

		8th	Midterm exam								
		9th	R-L circuits			Can find the c	urrent in a R-L	circuit.			
		10th	R-C circuits			Can find the c	urrent in a R-C	circuit.			
		11th	The basics of R-L	-C circuit vector	notation	Can find the c	Can find the current in a R-L-C circuit.				
	2nd	12th	The basis of the v	vector notation I		Understand the meaning of the vector notation and express AC voltage with symbols.					
	Quarter	13th	Basics of the vect	tor notation II		Can calculate an AC circuit using the vector notation.					
		14th	Impedance and a	idmittance I		Can calculate	impedance and	admittance.			
		15th	Impedance and a	dmittance II		Can calculate impedance and admittance of a complex circuit.					
		16th	Final exam								
Evaluat	ion Me	thod and	Weight (%)								
	E	ixamination	n Presentation	Mutual Evaluations between students	Report	Portfolio	Other	Total			
Subtotal	8	0	0	0	20	0	0	100			
Basic Proficienc	Basic Proficiency 0		0	0	0	0	0	0			
Specialized Proficiency		0	0	0	20	0	0	100			
	Cross Area Proficiency 0		0	0	0	0	0	0			

A	.kashi Co	ollege	Year	2023			ourse Title	Electric Circuits II B		
Course	Informa	tion					riue			
Course Co		5227			Course Categor	rv	Specializ	ed / Compulsory		
Class Forr		Lecture			Credits	. ,	•	c Credit: 2		
Departme			and Computer I	Engineering	Student Grade		2nd			
Term	-		Semester		Classes per Week 2					
Textbook Teaching										
Instructor	-	KAJIMUF	RA Yoshihiro							
Evaluation elements, Evaluation them in the Evaluation calculate to Evaluation Evaluation	, and can un point 2: he calculate point 3: he them.	Understand use it in the Understand ion of a sin Can explain	calculation of ar and can explain e wave AC circui the principle an how mutual ind	n electrical circuit. I the instantaneous t. d method of measu luctance circuits wo	values, phaser, uring effective p	and co	omplex nureactive p	esistance, coils, and capacitor umber expressions, and can use ower, and power factor, and so, currents, etc. ne current) in three-phase AC.		
Rubric										
			Ideal Level		Standard Level			Unacceptable Level		
Achievem	ent 1		between volta resistance, co	ne relationship age and current in ils, and capacitor I can use it in the ation of an iit.	Understand the between voltagenesistance, coil- elements, and calculation of a circuit.	ge and o s, and o can use	current in capacitor e it in the	and current in resistance, coils,		
Achievem	ent 2		instantaneous and complex i expressions, a	and can use them calculation of a	Understand and can explain the instantaneous values, phaser, and complex number expressions, and can use them in the calculation of a sine wave		phaser, use them	values, phaser, and complex number expressions, and		
Achievem	ent 3		method of me	ne principle and easuring effective ve power, and and solve	Can explain the principle and method of measuring effective power, reactive power, and power factor.		effective	Cannot explain the principle and method of measuring effective power, reactive power, and power factor.		
			Can perform a calculations of currents, etc. inductance cir	f voltages, in mutual	Can calculate voltag currents, etc. in mu inductance circuits,		ál	Cannot calculate voltages, currents, etc. in mutual inductance circuits, etc.		
			currents (phase	applied f voltages and se voltage, line current) in three-	e, line currents (phase		ge, line	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		voltage, engineer	current, and imr	pedance in the AC o	ircuit theory, w	hich is	the basis	on of physical quantities such as of electrical and electronic problem exercises, etc. to help		
Style		Explanat	ions will be giver	n in line with the te	xtbook. The clas	ss will b	oe carried	out using slides and worksheets.		
Notice		There will regularly be report assignments of problem exercises. This course's content will amount to 180 hours of study in total. These hours include learning t guaranteed in classes and the standard self-study time required for pre-study / review, and cor assignment reports. The overall evaluation will be based 80% on periodic exams, and 20% on assignments including worksheets done during class. The reports will be mostly made up of 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.					dy / review, and completing kams, and 20% on report ostly made up of the questions at			
Charact	eristics o	•			De engibl	<u>,</u>	,	,		
	aracteristics of Class / Division in Learning Active Learning				☑ Applicable to	o Remo	ote Class	☐ Instructor Professionally Experienced		
Course	rian 		Thomas			Cc-!				
			Theme			Goals				
		Complex power					omplex power.			
	2nd		Vector diagrams					ector diagram.		
2nd Semeste	3rd Quarter		Bridge circuits			equilib	rium con			
I		4th	Mutual inductand	ce circuits		circuits	s, and dra	neaning of mutual inductance aw an equivalent circuit.		
5th			Equivalent circui	ts of mutual induct	ance circuits I	Can calculate the current in an equivalent circuit of a mutual inductance circuit.				

		6th	Equivalent circuits	of mutual induc	tance circuits II	Can calculate th	e current in an e	quivalent circuit	
		7th	Occurrence of polyconnections	yphase AC and S	tar and Delta		occurrence of po	olyphase AC, and	
		8th	Midterm exam						
		9th	Symbol notion and 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 phase voltage and the line voltage of a Y connection.			
		11th	Phase current and	l line current of a	Δ connection	Can calculate th of a Δ connection	e phase current on.	and line current	
	4th Ouarter		Δ and Y connection	ns and Δ-Y conv	ersions	Can calculate Δ conversions.	and Y connection	ns 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		n-sine waves and	
		15th	How to compute F series expansion of	Fourier coefficient of an odd function	ts, and Fourier n wave	Can compute Fourier coefficients, and perform Fourier series expansion of an odd function wave.			
		16th	Final exam						
Evaluati	ion Me	thod and '	Weight (%)						
	E	Examination	Presentation	Mutual Evaluations between students	Report	Portfolio	Other	Total	
Subtotal	8	30	0	0	20	0	0	100	
Basic Proficience			0	0	0	0	0	0	
	Specialized Proficiency 80		0	0	20	0	0	100	
Cross Are Proficience)	0	0	0	0	0	0	

А	kashi Co	ollege	Year	2023		C	Course Title	Computer Programming II A		
Course	Informa	tion					_			
Course Co	ode	5228			Course Categor	У	Specializ	red / Compulsory		
Class For	mat	Lecture			Credits		Academi	ic Credit: 2		
Departme	ent	Electrical a	and Computer E	ngineering	Student Grade		2nd			
Term		First Seme	ester		Classes per We	Week 2				
Textbook Teaching	Matérials	TO 10 175								
Instructor			A Takayuki							
[1] Under between	pointers a	ic syntax incl nd arrays, an	id can write pro	s in C, data type, a grams. te programs that ι		struc	tures, poi	nters, and the relationship		
Rubric										
			Ideal Level		Standard Level			Unacceptable Level		
Achievement 1			IC language an	rams that utilize	Understand the C language and programs that and pointers.	can v	vrite basio	cannot write basis programs		
Achievement 2				e concept of a n write advanced utilize many	Can explain the library and can programs that i	write	basic	Cannot explain the concept of a library and cannot write programs that utilize library.		
<u>Assigne</u>	signed Department Objectives									
Teachin	g Metho	od								
Outline		so learn about the	existing libraries who engaged in	s used the re	l in progra esearch a	programming in C. In the last half am development and how to use nd development of middleware years.				
Style		questions students of in order to	individually to e give a lot of tho know when pr half of the cou	enhance their prog ught on how to so ogram planning a	ram developmer lve problems on nd description ch	nt skill: paper anges	s. In this and make occur.	extbook and practice applied period, it is recommended that e a habit of managing their history e practical programs, will be		
Notice		total. The	se hours include udv / review, ar	the learning time	guaranteed in canment reports.	lasses All ass	and the signments	mount to 90 hours of study in standard self-study time required are required to be submitted. grade.		
Charact	eristics	of Class / [Division in Le	earning						
☑ Active	Learning		☑ Aided by IO	T	☑ Applicable to	Rem	ote Class	☐ Instructor Professionally Experienced		
Course	Plan									
		Т	heme			Goals				
			uidance, test			Under under	rstand the stand, an	class objectives. Can review, d explain the basic syntax.		
		2nd C	oncept and bas	ics of functions		Under and ca	stand the	e concept and basics of functions programs.		
		3rd F	unction definition	on and calls		write	programs			
	1st	4th F	unction designs			write	programs			
	Quarter	5th E	xercise (1)			quest	ions that i	ntly create programs in exercise use function		
		6th B	asic type (1)			progra	ams.	basic types and can write		
1st Semeste			asic types (2)			quest	ions that	ntly create programs in exercise use basic types . content of Weeks 1-7, and can		
			lidterm exercise			write	programs	action-like macros and can write		
			unction-like ma	cros		progra	ams.	umerations and can write		
			numerations			progra	ams.			
	2nd	11th T	ext I/O		i			text I/O and can write programs.		
	Quarter	12th S	trings (1)			progra	ams.	e basics of strings and can write		
		13th S	trings (2)			and c	an write p	e arrays and operations of strings programs.		
		14th S	trings (3)				rstand the programs	e operations of strings and can		

	15th	Exercise (2)			Can independ questions that	Can independently create programs in exercise questions that use strings. Understand the content of Weeks 8-15 and can write programs.			
	16th	Final exam							
Evaluation I	Method and	Weight (%)							
	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		

А	.kashi Co	ollege	Year	2023				Computer Programming II B
Course	Informa	tion						
Course Co	ode	5229			Course Categor	у	Specialize	ed / Compulsory
Class Forr	nat	Lecture			Credits		Academic	Credit: 2
Departme	ent	Electrical an	d Computer E	ngineering	Student Grade		2nd	
Term		Second Sem	•	<u> </u>	Classes per We	ek	2	
Textbook Teaching	and/or Materials				,			
Instructor	-	HIRANO Ma	satsugu					
Course	Obiectiv	'es						
[1] Under	stand bas	ic syntax included in	can write prod	in C, data type, a grams. e programs that u	•	l structi	ures, poin	ters, and the relationship
Rubric								
		I	deal Level		Standard Level			Unacceptable Level
Achievem	ent 1	((Inderstand the	rams that utilize	Understand the C language and programs that and pointers.	basic s	rite basic	Cannot understand the basic syntax of C language and cannot write basic programs that utilize structures and pointers.
Achievem	Achievement 2 libr prc libr			e concept of a write advanced utilize many	Can explain the library and can programs that	write b	asic	Cannot explain the concept of a library and cannot write programs that utilize library.
Assiane	d Denar		•			•		
	Assigned Department Objectives Feaching Method							
Outline	g Metric	Following the of the course them. The lectures	e, students als s will be condu	so learn about the	e existing libraries who engaged in	s used in the res	in prograr search an	programming in C. In the last half in development and how to use d development of middleware
Style		questions in students giv in order to k In the last h explained.	dividually to e re a lot of thou know when pro lalf of the cour	nhance their prog ight on how to so ogram planning an se, libraries, whic	ram developmer lve problems on nd description ch th are necessary	nt skills paper a langes of for writ	. In this p and make occur. ting more	eriod, it is recommended that a habit of managing their history practical programs, will be
Notice		Itotal. These	hours include	the learning time	guaranteed in c	lasses a	and the st	nount to 90 hours of study in candard self-study time required are required to be submitted. rade.
Charact	eristics	of Class / Di	vision in Le	arning				
☑ Active			☑ Aided by IC		☑ Applicable to	o Remo	te Class	☐ Instructor Professionally Experienced
Course	Plan							
		The	eme			Goals		
			nters			Can ex	plain the	concept of pointers.
			nters			Unders	•	role of pointers and can write
		3rd Stri	ngs and point	ers		pointer	s.	relationship between strings and
	3rd Quarter		ngs and point	ers		pointer	s.	ams for string operations using
			uctures					concept of structures.
			uctures					programs using structures.
		7th Str	uctures					cal programs using structures.
2nd Semeste			term exercise			write p	rograms.	content of Weeks 1-7, and can
r			processing			Can ex	plain how	to process files in C.
		10th File	processing			Can wr	ite progra	ams for file I/O.
		11th Lib	raries			Can ex	plain wha	t libraries are.
		12th Lib	raries			Can wr	ite progra	ams using libraries.
	4th	13th Cor	nprehensive e	xercise (1)		Can wr determ	rite progra nining whe	ams that realize a given theme, ether or not to utilize libraries.
	Quarter	14th Cor	mprehensive e	xercise (2)		Can wr determ	rite progra	ams that realize a given theme, ether or not to utilize libraries.
		15th Cor	mprehensive e	xercise (3)		Can write programs that realize a given theme determining whether or not to utilize libraries.		
		16th Fin	Final evam			Understand the content of Weeks 8-15 and can write programs.		
Evaluati	ion Meth	nod and Wei	ght (%)					

	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

А	.kashi Co	ollege	Year	2023		_	_	Electrical and Electronic Measurement A
Course	Informa	tion	L	1			ricic	reasurement /
Course Code5230Course CategorySpecialized / CompulsoryClass FormatLectureCreditsSchool Credit: 1								
Class Forr	nat	Lecture						
Departme	ent	Electrical	and Computer E	ngineering	Student Grade		2nd	
Term		First Sem	nester		Classes per We	eek	2	
Textbook Teaching	and/or Materials	Shun Iwa	asaki: 「Denjiki Ke	eisoku] 、Korona-	sha			
Instructor	-	HOSOKA	WA Atsuishi					
	Objectiv							
2) Unders	stand the ostand how	concept of m to measure	neasurement. DC voltage, curr	ent, power, and r	esistance.			
Rubric			1		T			
			Ideal Level	<u> </u>	Standard Level			Unacceptable Level
Achievem	ent 1		Can explain dif measurement giving specific	methods by	Understand diff measurement i		ls.	Do not fully understand different measurement methods well.
Achievem	ent 2		Can explain DC current, power measurements specific examp	, and resistance by giving	Understand hove voltage, current resistance.			Do not fully understand how to measure DC voltage, current, power, and resistance.
Assigne	d Depar	tment Ob	<u> </u>					
	g Metho							
Outline	9	The aim	of this course is t phenomena.	o understand the	basic concepts of	of meas	suring ope	rations and how to measure basic
Style		the textb	re mainly conductions ook as needed foe that that will be or	r explanations. In	-taking. There w the lesson befo	vill be hare each	andouts a exam, th	nd references to the contents of ere will be an exercise (quiz) on
Notice		addition, in the sec	they should appl cond semester of	od understanding y the contents of the second year. more of classes y	the class to Expe	eriment	ts of Electi	their first and second year. In ical and Computer Engineering I luation.
Charact	eristics		Division in Le					
□ Active		,	☐ Aided by IC		☑ Applicable to a positiv	o Remo	te Class	☐ Instructor Professionally Experienced
_								
Course	Plan		- 1					
			Theme			Goals	stand tha	concept of measurement and the
				d instrumentation d indirect measur		types o	of measur	ement methods (direct and indirect measurement).
		2nd I	Deflection method	d and null method	d	(deflec	tion meth	types of instrumentation methods od and null method).
		3rd	Types of errors, s	ignificant figures		Understand accuracy and error, and understand the concept of significant figures.		
	1st Quarter	4th I	Propagation of er	ror, units and sta	ndards	considers unders and the	easurement values taking into e propagation of error, and SI base units and derived units, ship between standards and traceability.	
		5th	Analog indicating	instruments		Unders indicat	stand the ing instrui	main configurations of analog ments.
			Moving-coil instru nstrument	ıment, electrodyn	amometer	instrur	nents (mo	operating principles of indicating ving-coil instrument and leter instrument).
1st Semeste		7th I	Exercise on the co	ontent from week	s 1 to 6		stand the emester.	content from weeks 1 to 6 of the
1		8th I	Midterm exam				stand the emester.	content from weeks 1 to 6 of the
			Shunt, multiplier			curren	ts and voli lier. Under t and volta	to increase the rated values of tages using a shunt and stand the measurement of age using an indicating
	2nd Quarter		Measurement of I potentiometer	OC current and vo	oltage,	voltage unders potent	e using an stand the v iometer.	measurement of current and indicating instrument. Also, voltage measurement using a
			Indirect measure meter	ment of DC power	r, DC power	power the op	using the erating pr	indirect measurement of DC voltmeter-ammeter method and inciple of a power meter.
	12th		Indirect measurei Bridge	ndirect measurement of resistance, Wheatsto		Understand the indirect measurement of resistance using the voltmeter-ammeter and the measurement of resistance using Wheatstone Bridge.		the voltmeter-ammeter method ement of resistance using

		13th	Ohmmeter			Understand the operatir	g principles of ohmmeter.
		14th	Low resistance measumeasurement of high	rement, high resistance resistance		Understand the issues in and high resistance and	nvolved in measuring low how to resolve them.
	15th Exercise on			rcise on the content from weeks 9 to 14			from weeks 9 to 14 of the
	16th				Understand the content from weeks 9 to 14 of the first semester.		
Evaluati	ion Meth	od and	d Weight (%)				
		E	xamination	Exercise	Task		Total
Subtotal		7	0	30	0		100
Basic Proficiency 0			0	0		0	
Specialized Proficiency 70		0	30	0		100	
Cross Are	a Proficien	су С		0	0		0

Achievement 1 Achievement 2 Can explain waveform observation using an oscilloscope by giving specific examples.	Д	ıkashi Co	ollege	Year	2023		_		Electrical and Electronic Measurement B
Crestins School Credit: 1 Department Department Second Semester Classes per Week 2 Text Second Semester Classes per Week 2 Text Second Semester Classes per Week 2 Text Second Semester Classes per Week 2 Dispersation for Tackfinig Materials Instructor Classes per Week 2 Dispersation from the Control of Classes per Week 2 Dispersation from the Control of Classes per Week 2 Dispersation from the Control of Classes (Classes per Week 2) Dispersation from the Classes (Classes and Computer Engineering 1) Dispersation from the Control of Classes (Classes and Computer Engineering 1) Dispersation from the Control of Classes (Classes and Computer Engineering 1) Dispersation from the Classes (Classes and Computer	Course	Informa	tion						
Department Electrical and Computer Engineering Student Grade 2nd	Course Co	ode	5231			Course Catego	ry	Specialized	d / Compulsory
Term (Casses per Week 2	Class For	mat	Lecture			Credits		School Cre	edit: 1
Textbook and/or reaching Materials Instructor MOSCAWA Atsuishi Course Objectives 1) Understand how to measure AC votage, current, power, and impedance. 2) Understand how to observe a waveform using an oscilloscope. 3) Understand digital instruments, sensors, and data processing. Rubric Ideal Level Understand how to measure AC votage, current, power, and impedance power, and impedance power, and impedance power, and impedance power, and impedance power, and impedance power, and impedance power, and impedance power, and impedance power, and impedance power, and impedance power, and impedance power, and impedance power, and impedance power, and impedance power, and impedance power, and impedance power, and impedance power, and processing power, and impedance power, and impedance power, and impedance power, and impedance, and impedance power, and power, and impedance power, and power, an	Departme	ent	Electrical a	nd Computer E	ngineering	Student Grade		2nd	
Teaching Materials Instructor Course Objectives 1 Understand how to measure AC voltage, current, power, and impedance. 2) Understand how to observe a waveform using an oscillateopie. Rubric Achievement 1 Ideal Level	Term		Second Ser	mester		Classes per We	eek	2	
Discreption Course Dispectives Dispe									
1) Understand how to measure AC voltage, current, power, and impedance.	Instructo	<u>r</u>	HOSOKAW	A Atsuishi					
Achievement 1 Ideal Level Standard Level Unacceptable Level Can explain AC voltage, current, property and impedance measurements by giving specific examples. Can explain May bying specific examples. Can explain data processing by giving specific examples. Can explain waveform specific examples. Can explain digital instruments processing by giving specific examples. Can explain digital instruments processing by giving specific examples. Can explain digital instruments processing by giving specific examples. Can explain digital instruments processing by giving specific examples. Can explain digital instruments, sensors, and data processing by giving specific examples. Can explain digital instruments processing by giving specific examples. Can explain digital instruments processing by giving specific examples. Can explain digital instruments processing.	Course	Objectiv	'es						
Ideal Level	2)Unders	tand how	to observe a v	vaveform using	an oscilloscope.	npedance.			
Achievement 1 Can explain AC voltage, current, power, and impedance measurements by giving specific examples. Understand how to measure AC voltage, current, power, and impedance measurements by giving specific examples.	Rubric								
Achievement 1 power, and impedance measurements by giving specific examples. Come explain waveform using an oscilloscope by giving specific examples.				Ideal Level		Standard Level			Unacceptable Level
Achievement 2 Observation using an oscilloscope by giving specific examples. Understand how to observe a waveform using an oscilloscope well. Sensors, and data processing by limiting specific examples. Understand digital instruments processing by limiting specific examples. Understand digital instruments processing. On one fully understand digital instruments, sensors, and lata processing. On one fully understand digital instruments, sensors, and lata processing. On one fully understand digital instruments, sensors, and lata processing. On one fully understand digital instruments, sensors, and lata processing. On one fully understand digital instruments processing. On one fully understand digital instruments processing. On one fully understand digital instruments processing. On one fully understand digital instruments processing. On one fully understand digital instruments processing. On one fully understand digital instruments processing. On one fully understand digital instruments processing. On one fully understand digital instruments processing. On one fully understand digital instruments processing. On one fully understand himsty processing. On one fully understand himsty processing. On one fully understand himsty processing. On one fully understand himsty processing. On one fully understand himsty processing. On one fully understand himsty processing. On one fully understand himsty processing. On one fully understand himsty processing. On one fully understand himsty processing. On one fully understand himsty processing. On one fully understand himsty processing. On one fully understand the processing of the content for the search	Achievem	ent 1		power, and implements	pedance by giving	voltage, curren			
Achievement 3 sensors, and data processing by instrumentation, sensors, and instruments, sensors, and data giving specific examples. Assigned Department Objectives Teaching Method Outline The aim of this course is to understand the basic concepts of measuring operations and how to measure basi electrical phenomena. Classes are mainly conducted through note-taking. There will be handouts and references to the contents of the textbook as needed for explanations. In the lesson before each exam, there will be an exercise (quiz) on the content that will be on the exam. Students must have a good understanding of Electrical Circuits I and II from their first and second year. In addition, they should apply the contents of the class to Experiments of Electrical Computer Engineering I in the second semester of the second year. Students who miss I/4 or more of classes will not be eligible for a grade evaluation. Characteristics of Class / Division in Learning Active Learning Theme Active Learning Theme Active Learning Active Learning Theme Active Learning Active Learning Theme Active Learning Active Learning Theme Active Learning Active Learning Theme Active Learning Active Learning Theme Active Learning Active Learning Theme Active Learni	Achievement 2			observation us oscilloscope by	ing an				
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12th Digital instruments Understand the operating principles of digital instruments. Understand the concept of sensors and the			11th A/	D conversion					principles of A/D conversion.
Understand the concept of sensors and the		Quarter			ts		Under	stand the c	· · · · · · · · · · · · · · · · · · ·
			13th Se	ensors			Under	stand the c	

		14th	Data processing		Ur	nderstand how to proc	ess data.	
	15th					nderstand the content econd semester.	from weeks 9 to 14 of the	
	16th		Final exam	Final exam		Understand the content from weeks 9 to 14 of the second semester.		
Evaluat	ion Metho	od and	Weight (%)					
		Ex	camination	Exercise	Task	k	Total	
Subtotal		70)	15	15		100	
Basic Proficiency		0		0	0		0	
Specialized Proficiency		y 70)	15	15		100	
Cross Are	a Proficienc	y 0		0	0		0	

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Department Term Textbook and Teaching Mate Instructor Course Obje (1) Understand (2) Understand (3) Can create Rubric Achievement 1 Achievement 2 Achievement 3 Assigned De Teaching M Outline Style	ectives d the ccd the bae a conti	Electrical an First Semesi Keitaro HOR anfiguration asiscs of the asiscs of the asiscle program in the control of the control	and operating passembler languaging assembler languaging assembler fully understance configuration arounciples of configuration assembler languagily perform ba	rinciples of compage and can per r language. If the lad operating inputers.	Student Grade Classes per We r Practice 2nd Ed outers. form basic progr Standard Level Understand the	dition, l	2nd 2 Morikita Po	ublishing Co., Ltd. Unacceptable Le	
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Achievement 2 Achievement 3 Achievement 3 Assigned De Teaching M Outline Style	2 3 epartn	F C C F I	Fully understand configuration ar principles of cor Fully understand assembler langu ully perform ba	nd operating nputers.	Understand the	config		· ·	evel
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Achievement 3 Assigned De Teaching M Outline Style	3 epartn	a f F C	assémbler langu fully perform ba	the basics of	computers.	orincipl		Do not understa configuration an principles of con	nd operating
Assigned De Teaching M Outline Style	epartn	F	<u></u>	lage and can	Understand the assembler lang perform basic p	uage a	nd can	Do not understa assembler langu perform basic p	uage and cannot
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Teaching M Outline Style		nent Objec	ctives						
Outline Style		-							
,		Students wi	II understand th	ne basics of comp	outer architectur	e and I	earn assei	mbler programmir	ng techniques
N		The class wi	ill be taught by anguage will in	explaining basic olve exercises u	matters in accor	dance es in a	with the t ddition to	extbook. Program lectures.	ming using
Notice		guaranteed assignment	in classes and treports.	mount to 90 hou the standard self more of classes v	-study time requ	iired fo	r pre-stud	include the learnii y / review, and co rade.	ng time ompleting
Characteris	tics of	Class / Di	vision in Lea	rning					
☑ Active Lear	rning		☑ Aided by ICT		☐ Applicable t	o Remo	ote Class	☑ Instructor Pre Experienced	ofessionally
Course Plar	า								
		The	eme			Goals			
	1	st Mic	rocomputer bas	sics		Can ex	cplain micr	ocomputer basics	 5.
	2	nd Hov	w to do radix co	nversions		Can ex	plain how	to do a radix con	version.
	3	rd The	e basics of logic	al operations		Can explain the basics of logical operations.			
	4		_	ation of a PIC m	icrocomputer	Can explain the basics of logical operations: Can explain the hardware configuration of a PIC microcomputer.			
1st Qua	arter 5	th Ass	sembler languag	ge basics, flowch	art basics	Can explain the assembler language basics and flowchart basics.			
	6		sembler prograr ate a program)	mming exercise 1	I (how to	Can explain how to create a program using the assembler language.			
	7	th Hov	w to create a tir	mer program		Can ex	cplain how	to create a timer	program.
1st	8	th Mid	lterm exam						
Semeste	9	th Beh	naviors of subro	utines		Can ex	plain the	behaviors of subro	outines.
r	1	0th Ass	sembler prograr	nming exercise 2	2 (I/O control)	Can cr	eate I/O c	ontrol programs.	
	1	1th Ass	sembler prograr gram basics)	nming exercise 3	3 (timer	Can cr	eate a tim	er program.	
	1		se motor basics)	<u> </u>		Can ex	oplain the	pulse motor basic	
2nd	ı [.	3th Ass	sembler progran	nming exercise 4	1 (application of		•	oplied timer progr	
Qua	-	4th Ass		nming exercise 5	5 (pulse		eate an apul	· · · ·	
	-	Eth Ass	tors) sembler prograr	nming exercise 6	5 (advanced		<u> </u>	dvanced program.	
	gram)		-	Can Cr	-ale all a	avanceu program.			
I	1		final exam						
		d and Wei	ght (%)	T					
Evaluation I				Mutual Evaluations		D 16			
Evaluation	Metho	ination F	Presentation	between students	Behavior	Portfo	Olio	Exercises	Total

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

А	ıkashi Co	ollege	Year	2023		Course Title	Experiments of Electrical and Computer Engineering I				
Course	Informa	tion				•					
Course Co		5233			Course Category	y Specializ	red / Compulsory				
Class Forr	mat	Experim	ent		Credits	School C	Credit: 2				
Departme	ent	Electrica	l and Computer E	ngineering	Student Grade	2nd					
Term			Semester		Classes per Wee	Veek 4					
Textbook Teaching	and/or Materials	Distribut	ce materials in cla	SS		<u>.</u>					
Instructor		KAJIMUF	RA Yoshihiro,SUY	Yoshihiro,SUYAMA Taikei,HOSOKAWA Atsuishi,ENOMOTO Ryuji,							
Course	Objectiv	'es	,		•	, ,					
Evaluation Evaluation	n point 1: n point 2: n point 3:	Can explair Can write a	formation engineering. experiment in cooperation with								
Rubric			1		T						
	Ideal Level Standard Lev						Unacceptable Level				
Achievement 1 r			necessary inst learning electr	ow to handle the ruments for ical information nd examine an	Can explain how necessary instru learning electric engineering.	ıments for	Cannot explain how to handle the necessary instruments for learning electrical information engineering.				
Achievement 2			Can write an e with sufficient	experiment report information.	Can write an ex	periment repor	t. Cannot write an experiment report.				
Achievement 3		safely, and act	or an experiment cively conduct an cooperation with	Can use the nec instruments for safely, and cond experiment in co the team memb	an experiment luct an ooperation with	safely, and conduct an					
Assiane	d Depar	tment Ob	piectives								
	g Metho		,								
Outline		students matters and Hos Students provided write up it until tl	s will form groups related to measu okawa DC bridges will form groups d in Contents and a report on the eney pass. This will swill not be grades	of three to five pering equipment, E.s. of three to five permethed of Course experiment and su I help students leaded unless they have	eople to conduct of nomoto matters in eople to conduct . After completing bmit it the instructor the basics of version of participated in	experiments on related to electrons or gexperiments or control to the control to the control to the control teaching the writing up a repall experiments	nt experiment themes, and a each theme. Suyama will teach rical circuits, Kajimura sequencing, an each theme. The themes are on each theme, students must nat theme. They will have to revise port. 3. The overall evaluations will be experiments (20%). The				
Notice		for evalues passing experiments	n score for a pass Jations. In additio grade. Students r ents will be given	s will be 60%. As t on, if all reports ha	this is an experim ve not been recell and put away th eek.	ent course, sub ived by the due e equipment. P	omitting all reports is a prerequisite e date, students will not receive a recautions regarding the				
Charact	eristics (Division in Le			и пт ап ехрепптенть.					
☑ Active		01 01033 /		☐ Aided by ICT ☐ Applicable t		Remote Class	☐ Instructor Professionally Experienced				
Course	Plan										
			Theme		1	Goals					
		1st	Experiment guida	ance	Į.		outline of experiments and how to				
	2nd Impedance measurement				asurement experiment: create a a lab, and write up a report.						
	3rd Potentiometer				Potentiometer e conduct a lab, a	experiment: create a circuit, and write up a report.					
		Report organizati	ion		experiments.	report on engineering					
2nd 3rd Semeste Quarter 5th		5th	Fall-of-potential i	Fall-of-potential method			of the fall-of-potential method: conduct a lab, and write up a				
r 6th		6th	Report organizati	ion	(report. Can write up a experiments.	report on engineering				
		7th	Operational Amp	lifier			plifier experiment: create a OP nfirm the Slew Rate, and write up				
		8th	DC bridges			A DC bridge ex a lab, and write	periment: create a circuit, conduct e up a report.				
	4th Quarter	9th	Report organizati	ion		Can write up a report on engineering experiments.					

	1	10th	Relay sequence co	ontrol 1		Conduct a sequence switches, motor report.	uence control e ors, and relays,	experiment using and write up a	
	11th Relay sequence co		ontrol 2		experiment of	Continuing from the previous week, conduct an experiment of sequence control using switches, motors, and relays, and write up a report.			
	1	12th	Digital oscilloscop	e and digital mul	timeter	A digital oscillo experiment: cr write up a repo	eate a circuit,	tal multimeter conduct a lab, and	
	1	13th	Report organizatio	on		Can write up a experiments.	report on eng	neering	
	1	14th /	Assembling a com	puter		A computer as circuit, conduc	sembling expert t a lab, and wr	riment: create a ite up a report.	
	15th		Summary of engineering experiments			Can write up a experiments.	report on eng	neering	
	1	16th I	No final exam						
Evaluation	Metho	d and W	/eight (%)						
	Repo	ort	Initiatives	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	

Akashi College Course Information		Year	2024		Course Title	Japanese III -	1	
Course :	Informat	ion	•					
Course Co	ode	6301			Course Category		/ Compulsory	
Class Forr		Lecture			Credits	School (Credit: 1	
Departme	ent		and Computer Er	ngineering	Student Grade	3rd		
Term Textbook		First Seme			Classes per Wee			
Teaching		『精選論理	国語』『精選文学	国語』『精選古典排	架究 古文編』(明	月治書院)、『第	行訂総合国語便覧』	(第一学習社)
Instructor	-	TANGE At	suko					
	Objective	es						
2) 文学的]な文章(小	∖説や日記)に	構成や展開を的確 描かれた人物やも や語句についてI	ることができる。 即して読み取り、自 することができる。	自分の意見を述/	<i>、、ることができる。</i>		
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					論理的な文章(論説や評論)の構成や展開をとらえ、おおむね要約することができる。 論理的な文章(論説や評論)の構成や展開を的確にとらえることができない。			
文学的な文章 (小説や日記) に描 文学的な かれた人物やものの見方を表現に かれた人 評価項目2 即して読み取り、その特質を理解 即して通					文学的な文章(小かれた人物やもの即して適切に読みる。	の見方を表現に		の見方を十分に
評価項目3				用いられる漢字や 確に理解し、活用 る。	社会生活の中で用 語句についておお し、活用すること	むね正確に理解	辞書など補助的な、社会生活の中でいて正 や語句について正 用することができ	ご用いられる漢字 E確に理解し、活
Assigne	d Depart	ment Obj	ectives				1,12,1	
	g Metho							
Outline	9 1 100.10	近現代の評	論文や小説、古典 。豊かな感性と論	!文学など、様々な3 理的な思考力を身に	文章を主体的に読む こつけ、的確な読解	ことを通して、 なかと表現力を発		どの基本的な知識
Style				、小テストや課題を				
Notice		自主的に予	習を行い、授業に	は集中して意欲的に	こ取り組むこと。			
	oristics s	•		(割合) 1/3以上の	火誅			
		or Class / I	Division in Lea	<u> </u>			☐ Instructor Pi	rofossionally
☐ Active	Learning		☐ Aided by IC	T	☑ Applicable to	Remote Class	Experienced	Toressionally
Course	Plan							
		Т	heme			Goals		
		1st だ	iイダンス、「変れ	oれ!東京」の読解	ž	受業の進行・準備	備物について理解する	ることができる
		2nd)読解		テキストに用いる ことができる	られている語句・表現	見を適切に理解す
		3rd	- 変われ!東京] σ.)読解		テキストの構成 [;] ができる	をとらえ、内容を適切	切に理解すること
	1st	4th	- 変われ!東京] σ.)読解		内容を理解した. る	上で、自分の意見を返	述べることができ
	Quarter	5th	花山天皇の退位」	(大鏡) の読解	·-	歴史的背景を理例 る	解し、テキストを読角	解することができ
		6th	花山天皇の退位」	(大鏡) の読解		助動詞や尊敬表 を読解すること	見など文法事項に注意 ができる	意して、テキスト
		7th	花山天皇の退位」	(大鏡) の読解	1	作品の主題と特征	数を説明することがで	できる
1st Semeste		8th	町の小路の女」	(蜻蛉日記) の読解	<u> </u>	歴史的背景を理例 る	解し、テキストを読角	解することができ
r		9th	町の小路の女」	(蜻蛉日記) の読解		助動詞や尊敬表 を読解すること	見など文法事項に注意 ができる	意して、テキスト
		10th	町の小路の女」	(蜻蛉日記) の読解			数を説明することがで	
		11th	檸檬」の読解			時代背景や登場。 解することがで	人物を正確にとらえ、 きる	小説の世界を理
	2nd	12th	檸檬」の読解			表現・構成に注意 きる	意して小説の展開を理	里解することがで
	Quarter	13th	檸檬」の読解			表現・構成に注意 きる	意して小説の展開を理	里解することがで
		14th	檸檬」の読解			表現・構成に注意 きる	意して小説の展開を理	里解することがで
15th 「檸檬」の読解						小説の展開を整 できる	里し、全体的な主題を	を理解することが
16th 期末試験						·	-	
Evaluati	on Meth	od and W					,	
		試験	小テ	スト	態度	その他	Tota	l

Subtotal	80	10	10	0	100
基礎的能力	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

А	.kashi Co	ollege	Year	r 2024		Course Title	Japanese III -2
Course	Informa	tion	1	•		1	
Course Co		6302			Course Category	y General	/ Compulsory
Class Forr	nat	Lecture			Credits	School C	Credit: 1
Departme	ent	Electrica	l and Computer I	Engineering	Student Grade	3rd	
Term		Second 9	Semester		Classes per Wee	ek 2	
Textbook Teaching		野田尚史	・森口稔『日本語	を話すトレーニング。	〕(ひつじ書房)	•	
Instructor	-						
argument 2) Can pr	rite up rep s are convesent the	orts and the veyed effect content of t	ively.	:heses they wrote u	·	-	ure and development so that their lideas, orally and accurately.
Rubric					1		
			Ideal Level		Standard Level		Unacceptable Level
Achievem	ent 1			ogical, and ime with excellent based on clear	Can create an e understand, log empirical resum conclusions, opi reports.	ical, and e based on cle	There are elements that indicate conclusion, opinions, and reports, but the structure and layout design are inadequate.
Achievem	ent 2			esentation with ure, speed, and bility, and can uestions	Can give a rehe presentation, bu immediately and appropriately.	ıt cannot	The presentation is almost like a script reading.
Achievement 3			Can make a n statement in I theme in a co empirical way	line with the ncise, logical, and	Can make a me statement that's theme, but is re	s relevant to th	Can make a statement that's relevant to the theme, but is unorganized.
Assigne	d Depar	tment Ob	jectives				
Teachin	g Metho	od					
Outline		understa	inding of the exp	ious issues in vario ressions of Japane or each theme, and	se and the chara	cteristics of Jap	used, and deepen their an people's ideas. Group ired.
Style		The cour		lecture format, bu	•		presentations, and question-and-
Notice		This cou guarante assignme Students knowled quizzes.	se's content will amount to 90 hours of study in to ed in classes and the standard self-study time required reports. should be active in presentations and Q&A session e and skills necessary to express in Japanese language who miss 1/3 or more of classes will not be eligible.			ired for pre-stu s, including pre age. There wil	dy / review, and completing -study, to ensure they learn the be handouts as necessary, and
Charact	eristics	of Class /	Division in Le	earning			
☐ Active		,	☐ Aided by I		☑ Applicable to	Remote Class	☐ Instructor Professionally Experienced
Course	Dlan						
Course	riali		 Theme		T _i	Goals	
		1st	Orientation Course outline	nrecentation	1	Understand ho	w to create a resume, presentation respective evaluation criteria.
	Planning for the presentation 2nd Fundamentals of speech Fundamentals of presentation					Understand the presentations,	e skills required for speeches and can be put into practice.
	Make an inquiry 3rd Training 1 presentati Insight and organizat			ntations and Q&A nization of the abo	l l		e subject matter and be able to esent a resume focusing on the i.
2nd 3rd 4th 1		Make a request Training 3 prese Insight and orga	ļ		e subject matter and be able to esent a resume focusing on the i.		
Semeste Representation of the seminary of the		Invite / Decline / Training 5 prese		1		e subject matter and be able to esent a resume focusing on the	
6th		6th	Speech Training 9 prese	ntations and Q&A	1	Understand the	e subject matter and be able to esent a resume focusing on the
7:		7th	Simple Japanese Training 12 pres			Understand the	e subject matter and be able to esent a resume focusing on the
		8th	Speak in a meet Training 10 pres			Understand the	e subject matter and be able to esent a resume focusing on the

Speak in a meeting(2), Presentation(1) Training 12 · 13 presentations and Q&A Insight and organization of the above issues									
10th			9th	Speak in a meet Training 12 · 13 Insight and orga	ing(2), Presentation(1) presentations and Q&A anization of the above issu	es	prepare and present a r	matter and be able to esume focusing on the	
11th			10th	Training 13 prés	sentations and Q&A anization of the above issu		prepare and present a resume focusing on the		
Training 15 presentations and Q&A Insight and organization of the above issues Interview(2) 13th Interview(2) Training 15 presentations and Q&A Insight and organization of the above issues Interview(2) Training 15 presentations and Q&A Insight and organization of the above issues Interview(3) Interview(4) Interview(5) Interview(6) Interview(7) Interview(8) Interview(8) Interview(9) Int		11th Training 14 presentati			sentations and Q&A		prepare and present a r		
13th Training 1's presentations and Q&A Insight and organization of the above issues 14th Fundamentals of academic writing Understand how to develop a research plan and the basics of writing a thesis 15th How to write reports and papers Understand how to structure sentences, make arguments, and show appropriate examples			12th	Research Preser Training 15 pres Insight and orga	ntation(2), Interview(1) sentations and Q&A anization of the above issu	es	prepare and present a r	matter and be able to esume focusing on the	
15th How to write reports and papers Understand how to structure sentences, make arguments, and show appropriate examples			13th	Training 15 pres	sentations and Q&A anization of the above issu		prepare and present a r		
Float Floa			14th	Fundamentals o	f academic writing		Understand how to deve the basics of writing a tl	elop a research plan and nesis	
Evaluation Method and Weight (%) Examination Presentation Other Total Subtotal 50 50 0 100 Basic Proficiency 50 50 0 100 Specialized Proficiency 0 0 0 0			15th	How to write rep	How to write reports and papers				
Examination Presentation Other Total Subtotal 50 50 0 100 Basic Proficiency 50 50 0 100 Specialized Proficiency 0 0 0		16th		Final exam					
Subtotal 50 50 0 100 Basic Proficiency 50 50 0 100 Specialized Proficiency 0 0 0 0	Evaluati	luation Method and Wei		nd Weight (%)					
Basic Proficiency 50 50 0 100 Specialized Proficiency 0 0 0		Examinat		Examination	Presentation	Ot	ther	Total	
Specialized Proficiency 0 0 0	Subtotal	Subtotal 50		50	50	0		100	
	Basic Proficiency 50		50	50	0		100		
	Specialize	Specialized Proficiency 0			0	0		0	
Cross Area Proficiency 0 0 0	Cross Area Proficiency 0			0	0	0		0	

	Akashi Co	ollege	Year	2024		Course Title	Mathematics Ⅲ A-1
Course	Informa	tion					
Course C	ode	6305			Course Category	General	/ Compulsory
Class For	mat	Lecture			Credits	Academ	ic Credit: 2
Departme	ent	Electrica	al and Computer	Engineering	Student Grade	3rd	
Term		First Se	mester		Classes per Wee	k 2	
	Matérials		他著:新微分積分	Ⅱ 大日本図書 ⅰ	高遠節夫他著:新微	分積分Ⅱ問題第	大日本図書
Instructo		-	MIYA Atusi				
これまでは を習得する (1)まず数 の計算がで (2) 理論の (3) 抽象的	ることを目標例の収束・ できるように の忠実な理解	牧学を基礎と 票とする。 発散,級数の こなる。 『と自らも理	収束・発散,マク□	-リン級数を理解すきる能力を獲得する。	る。そして2変数関		に専門的な応用数学が理解できる能力 する曲面として理解し、偏微分や重積分
Rubric					T		
			理想的な到達し		標準的な到達レベ	ルの目安	未到達レベルの目安
評価項目1	l		散,マクローリン にできる。そし における曲面と 、偏微分や重積 できる。	能散,級数の収束・発ン級数を理解が十分 ンて2変数関数を空間 こして十分に理解し もの計算が十分に	数列の収束・発散 散,マクローリン総 。そして2変数関 曲面として理解で 積分の計算ができ	る 散,マクローリン級数を理解できない。そして2変数関数を空間における は る曲面として理解できず、偏微分や重積分の計算ができない。	
評価項目2	2		理論の忠実な理 に文章表現でき 得している。	E解と自らも理論的 る能力を十分に獲	理論の忠実な理解 に文章表現できる いる。	と自らも理論的 能力を獲得して	理論の忠実な理解と自らも理論的 に文章表現できる能力を獲得して いない。
評価項目3	3			抽象的枠組を具体的問題に適用す る能力を十分に獲得している。			
Assigned Department O			bjectives				
Teachin	ng Metho	od					
Outline		析に必要	の基本概念及びそ な素養を獲得する 分とその応用につい	。主に数列の収束と	いろな計算手法を習 発散,級数の収束とタ	得し、専門分野 発散,マクローレ	予で応用する際のさまざまな事象の解 ン展開,2変数関数の偏微分とその応用
予習を前 たことや B集にあ			提として教科書に 講義で理解できな る問題を解くよう	沿って講義する。まだかったことは放置せて いったことは放置せていがけること。IC	ずに質問するように	して下さい。そ	,て理解に努め、予習でわからなかっ その日のうちに必ず復習し教科書と問 。確認のため予告なく小試験を行うこ
講義時に に必ず復 ておくこ し60点以 定的な割る を与える 業で保証				も日頃からよく勉強	しておくようにして	ください。	
Notice		講成では、1000年では、1000年では、1000年では、1000年では、1000年では、1000年では、1000年では、1000年には、	しっかり理解に努 習し教科書や問題: と。試験を50%、 以上を合格とする。 場合で評価しぬずし	めること。疑問点は 集の問題を解いて問題 課題等の提出物を20 ただし、この割合で ちょうの割合にならま	しておくようにして 必ず質問して、その 題演習を十分するこ D%、発表および平道 評価点をつけるのは ないことがある。題	ください。 対象をはいる。があるをはなるが、できまれるが、できまれるが、できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできまするのできます。できまれるのできまするのできます。できまれるのできまするのできます。できまれるのできまするのできまする。できまれるのできまするのできまする。できまれるのできまする。できまれるのできまするのできまする。できまれるのできまするのできまする。できまれるのできまするのできまする。できまれるのできまする。できまれるのできまする。できまれるのできまする。できまれるのできまする。できまするのできまする。できまするのできまする。できまするのできまする。できまするのできまする。できまするのできまする。できまするのできまする。できまするのできまする。できまするのできまする。できまするのできまする。できまするのできまする。できまするのできまする。<l< td=""><td>まうに努めること。またその日のうちい試験を行うので日頃からよく勉強しり組み状況を30%として総合的に評価後期中間までの累積評価の割合は暫がよく出来ていれば割合以上の評価割合)1/3以上の欠課。本科目は、授己学習時間の総計が、180時間に相当</td></l<>	まうに努めること。またその日のうちい試験を行うので日頃からよく勉強しり組み状況を30%として総合的に評価後期中間までの累積評価の割合は暫がよく出来ていれば割合以上の評価割合)1/3以上の欠課。本科目は、授己学習時間の総計が、180時間に相当
	teristics	講成では、一次では、一次では、一次では、一次では、一次では、一次では、一次では、一次	しっかり理解に努 習し教科書や問題 と。試験を50%、 以上を合格とする。 はこともある。して できる学習時間と、	めること。疑問点は 集の問題を解いて問 課題等の提出物を20 ただし、この割合で も上記の割合でなら れかの週でCBTを行 予習・復習及び課題	しておくようにして 必ず質問して、その 題演習を十分するこ D%、発表および平道 評価点をつけるのは ないことがある。題	ください。 対象をはいる。があるをはなるが、できまれるが、できまれるが、できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできます。できまれるのできまするのできます。できまれるのできまするのできます。できまれるのできまするのできます。できまれるのできまするのできまする。できまれるのできまするのできまする。できまれるのできまする。できまれるのできまするのできまする。できまれるのできまするのできまする。できまれるのできまするのできまする。できまれるのできまする。できまれるのできまする。できまれるのできまする。できまれるのできまする。できまするのできまする。できまするのできまする。できまするのできまする。できまするのできまする。できまするのできまする。できまするのできまする。できまするのできまする。できまするのできまする。できまするのできまする。できまするのできまする。できまするのできまする。<l< td=""><td>こうに努めること。またその日のうちい試験を行うので日頃からよく勉強しり組み状況を30%として総合的に評価がよく、出来でいる場所での関係は対していないとの評価がよく出来でいれば割合以上の評価</td></l<>	こうに努めること。またその日のうちい試験を行うので日頃からよく勉強しり組み状況を30%として総合的に評価がよく、出来でいる場所での関係は対していないとの評価がよく出来でいれば割合以上の評価
Charact	teristics of Learning	講成では、一次では、一次では、一次では、一次では、一次では、一次では、一次では、一次	しっかり理解に努 習し教科書や問題 と。試験を50%、 以上を合格とする。 は合で評価し必ずし こともある。いず でよる学習時間と、 である。	めること。疑問点は 集の問題を解いて問 課題等の提出物を20 ただし、この割合で ただし、この割合で もだり、この割合で でCBTを行 わかの週でCBTを行 予習・復習及び課題 earning	しておくようにして 必ず質問して、その 題演習を十分するこ D%、発表および平道 評価点をつけるのは ないことがある。題	ください。 都度解消する。 と。予告なく/ 素の授業への取 は学年末であり。 遺等や発表ならかない欠席条件(要な標準的な自	こうに努めること。またその日のうちい試験を行うので日頃からよく勉強しり組み状況を30%として総合的に評価後期中間までの累積評価の割合は暫がよく出来ていれば割合以上自は、授己学習時間の総計が、180時間に相当
Charact ☑ Active	Learning	講成では、一次では、一次では、一次では、一次では、一次では、一次では、一次では、一次	しっかり理解に努 習し教科書や問題 と。試験を50%、 以上を合格とする。 は合で評価とめずし っこともある。いず でする学習時間と、 である。 (Division in Le	めること。疑問点は 集の問題を解いて問 課題等の提出物を20 ただし、この割合で ただし、この割合で もだり、この割合で でCBTを行 わかの週でCBTを行 予習・復習及び課題 earning	しておくようにして 必ず質問して、その 題演習を十分するご 3%、発表および平。 評価点をつけるのは ないことがある。と しポート作成に 必要	ください。 都度解消する。 と。予告なく/ 素の授業への取 は学年末であり。 遺等や発表ならかない欠席条件(要な標準的な自	でうに努めること。またその日のうち 小試験を行うので日頃からよく勉強し り組み状況を30%として総合的に評価 後期中間までの累積評価の割合は暫 だがよく出来ていれば割合以上の評価 割合)1/3以上の欠課。本科目は、授 已学習時間の総計が、180時間に相当
Charact ☑ Active	Learning	講成では、一次では、一次では、一次では、一次では、一次では、一次では、一次では、一次	しっかり理解に努 習し教科書や問題 と。試験を50%、 以上を合格とする。 は合で評価とめずし っこともある。いず でする学習時間と、 である。 (Division in Le	めること。疑問点は 集の問題を解いて問 課題等の提出物を20 ただし、この割合で ただし、この割合で もだり、この割合で でCBTを行 わかの週でCBTを行 予習・復習及び課題 earning	しておくようにして 必ず質問して、その 題演習を十分するご 9%、発表および平 評価点をつけるのは ないことがある。 ないことがある。とし レポート作成に 必 図 Applicable to	ください。 都度解消する。 と。予告なく/ 素の授業への取 は学年末であり。 遺等や発表ならかない欠席条件(要な標準的な自	でうに努めること。またその日のうち 小試験を行うので日頃からよく勉強し り組み状況を30%として総合的に評価 後期中間までの累積評価の割合は暫 がよく出来ていれば割合以上の評価 割合)1/3以上の欠課。本科目は、授 已学習時間の総計が、180時間に相当
Charact Active	Learning	講成では、一次では、一次では、一次では、一次では、一次では、一次では、一次では、一次	しっかり理解に努理という。 はいましている。 はいましている。 はいましたではできます。 はいましたではできます。 はいましたでする。 はいましたでする。 はいましたでする。 はいましたでする。 はいましたでする。 はいましたである。 がははいましたである。 がははいました。 はいましたである。 がははいました。 はいまた。 はいまた。	めること。疑問点は 集の問題を解いて問 課題等の提出物を20 ただし、この割合で ただし、この割合で もだり、この割合で でCBTを行 わかの週でCBTを行 予習・復習及び課題 earning	しておくようにして 必ず質問して、その 題演習を十分するご 9%、発表および平 19%、発表および平 19%、発表のけるのは ないことがある。 19%、合格の対象とし レポート作成に 必 図 Applicable to	ください。 都度解消する。 と。予告なく! 素の授業への取 は題等や発表なら。 はい欠席条件(要な標準的な自 Remote Class	 うに努めること。またその日のうちい試験を行うので日頃からよく勉強しり組み状況を30%として総合的に評値を期中間までの累積評価の割合は暫定がよく出来ていれば割合以上の評価割合) 1/3以上の欠課。本科目は、授品学習時間の総計が、180時間に相当 □ Instructor Professionally Experienced
Charact Active	Learning	講義が ま は に て し ら の は え に で る り る り る え る に る り る え る に る ら る る え く に る る く こ く る く こ く る く ま く ま る ま 。 ま す る く る く る く る く る ら る く る く る く る く る く	しっかり理解に努理という。 はと。試験を50%、 以上を合格とする。 は合で評価といずしまする。 は合で評価をである。 はつながである。 クロivision in Lease Aided by In Theme	めること。疑問点は 集の問題を解いて問 課題等の提出物を20 ただし、この割合で ただし、この割合で もだり、この割合で でCBTを行 わかの週でCBTを行 予習・復習及び課題 earning	しておくようにして 必ず質問して、その 題演習を十分するご 9%、発表および平 19%、発表および平 19%、発表および平 19%、発表がある。 19%、からないことがある。 19%、からないことがある。 20%、からない。 20% からない。 20% からな。 20% からない。 20% からな。 20% からな。 20%	ください。 対象度解消する。 と。予告なくが表の授業への取まり等への取まり。 は対象を対象を対象を対象を対象を対象を対象を対象を対象を対象を対象を対象を対象を対	 うに努めること。またその日のうちい試験を行うので日頃からよく勉強しり組み状況を30%として総合的に評値を期中間までの累積評価の割合は暫定がよく出来ていれば割合以上の評価割合) 1/3以上の欠課。本科目は、授品学習時間の総計が、180時間に相当 □ Instructor Professionally Experienced
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Charact ☑ Active	Plan	講義時で に いお の の は え に で る り な え く に る り な え く に る り な え く に る り る く て る り る く て る り る く し く し く り く し く し く し く り く し く し く し	Uつかり理解に努理という。 図し教科書や問題 と。試験を50%、 以上を合格とする。 は合で評価といずいまする学習時間というである。 / Division in Lease 図 Aided by Identify Theme 微分方程式	めること。疑問点は 集の問題を解いて問 課題等の提出物を20 ただし、この割合で ただし、この割合で もだり、この割合で でCBTを行 わかの週でCBTを行 予習・復習及び課題 earning	しておくようにして 必ず質問して、その 題演習を十分するご 別%、発表わよび平 評価点をつけるのに ないこ合格の対象とし ののはいことがある。課 ののはいことがある。 はいことがなる。 はいとがなる。 はいなる。 はいとがなる。 はいとがなる。 はいとがなる。 はいとがなる。 はいとがなる。 はいとがなる。 はいな。 はいな。 はいなる。 はいな。 はいなる。 はいなる。 はいな。	ください。 がまた。 おでは、 のでは、 のでは、 のでは、 のでは、 のでは、 のでは、 のでは、 の	はいます。またその日のうちは、はいます。このに努めること。またその日のうちは、はいまないが、はいます。このでは、いまないが、はいます。このでは、できないでは、できないでは、できないできる。。では、いまないできる。では、いまないできる。では、いまないできる。では、いまないできる。では、いまないできる。では、いまないできる。では、いまないできる。のでは、いまないでは、いまないのでは、いまないはいまないは
Charact ☑ Active	Learning	講義時でくています。 講義がそのいます。 ではいました。 ではいますでである。 はいますが、 はいまが、 はいまがもが、 はいまが、 はいまがもが、 はいまがもが、 はいまがもが、 はいまがもが、 はいまがもが、 はいまがもがもが、 はいまがもがもがもがもがもがもがもがもがもがもがもがもがもがもがもがもがもがもがも	Uつかり理解に努理という。 図し教科書や問題 と。試験を50%、 以上を合格とする。 は合で評価といずい。 こともずるのである。 が対容である。 が対容である。 が対容である。 が対容である。 が対容である。 が対容である。 が対容である。 が対容である。 が対容である。 が対容である。 が対容である。 が対容である。 が対容である。 が対容である。 が対容である。 が対容である。 がが、である。 がが、である。 がが、である。 がが、である。 がが、である。 がが、である。 がが、である。 がが、である。 がが、である。 がが、である。 がが、である。 がが、である。 がが、である。 がが、である。 がが、である。 がが、である。 がが、である。 がが、である。 がが、が、である。 がが、である。 がが、である。 がが、が、である。 がが、である。 がが、である。 がが、が、である。 がが、である。 がが、が、が、が、が、が、が、が、が、が、が、が、が、が、が、が、が、が、が	めること。疑問点は 集の問題を解いて問 課題等の提出物を20 ただし、この割合で ただし、この割合で もだり、この割合で でCBTを行 わかの週でCBTを行 予習・復習及び課題 earning	しておくようにして 必ず質問して、その 預演習を未および平 かが、発表わよび平 ないことがある。 はいこ合格の対象と必要 のは、のは、必要 のは、のは、必要 のは、のは、のは、のは、のは、のは、のは、のは、のは、のは、のは、のは、のは、の	ください。 一部では、これでは、これでは、これでは、これでは、これでは、これでは、これでは、これ	は一次のでは、ことのできる。では、これできる。ことのでは、これできる。ことのでは、これでは、これでは、これできる。これできる。できない。これできる。できる。できる。とれていれば、これできる。できる。できる。できる。できる。できる。できる。できる。できる。できる。
Charact ☑ Active Course	Plan lst	講義時に にてした いた いた いた いた いた いた のな えて に で で る い な る に で る い な ろ の い る に る い う で る う で る う て る う く こ る い る る る る る る る る る る る る る る る る る	Uつかり理解に努理という。 認可し教科書や問題 と。試験を50%、 以上を合価している。 合で評価しいでする。 は合さともある。 / Division in Le 図 Aided by Ie Theme 微分方程式 関数の展開	めること。疑問点は 集の問題を解いて問 課題等の提出物を20 ただし、この割合で ただし、この割合で もだり、この割合で でCBTを行 わかの週でCBTを行 予習・復習及び課題 earning	しておくようにして がす質問というするご のの、発表のけるの。 ないこのはいこのはいこのはいこのではいこのではいいではいいではないではないではないではない。 「はいこのではないではないではない。」 「はいこのではないではないではないではないではないではない。」 「はいこのではないではないではないではないではないではない。」 「はいこのではないではないではないではないではないではないではないではないではないではない	ください。 ・ おっと。とのでは、 ・ とのでは、 ・ とのでは、 ・ とのでは、 ・ とのでは、 ・ とのでは、 ・ できるでは、 ・ できるでは、	はいます。ことのできる。ではいます。ことのではいます。 こうに努めること。またその日のうちではいます。 「試験を行うので日頃からよく勉強しり組み状況を30%として総合の自合は暫正がよく出来ていれば割合以上の評価割合) 1/3以上の欠課。本科目は、授予では、本科目は、投資を対していませば、180時間に相当では、180時間に相当では、180時間に相当では、180時間に相当できる。 「はいて理解し、簡単な2階微分方程ことができる。というなができる。を解くことができる。簡単な1変数に次近似式・2次近似式を求めることができる。るいろな数列の極限を求めることができる。
Charact ☑ Active Course 1st Semeste	Plan lst	講義時ではいる。 講義必ずくに以来でくった。 ではいるのはなえています。 ではいるである。 ではいるである。 ではいるでは、 では、 では、 では、 では、 では、 では、 では、	Uつかり理解に努理という。 認可し教科書や問題 と。試験を50%、 以上を合権とする。 自合で評価る。 こことも習時る。 / Division in Le 図 Aided by Id Theme 微分方程式 関数の展開 関数の展開	めること。疑問点は 集の問題を解いて問 課題等の提出物を20 ただし、この割合で ただし、この割合で もだり、この割合で でCBTを行 わかの週でCBTを行 予習・復習及び課題 earning	しておくようにして がするで、そので ででである。 でである。 でである。 でいる。 でいる。 でいる。 ののではないのではない。 でいる。 ののではないのではないのではない。 ののではないのではないのではない。 ののではないのではないのではない。 ののではないのではないのではない。 ののではないのではないのではない。 ののではないのではないのではない。 ののではないのではないのではない。 ののではないのではないのではない。 ののではないのではないのではない。 ののではないのではないのではない。 ののではないのではないのではない。 ののではないのではないのではない。 ののではないのではないのではない。 ののではないのではないのではない。 ののではないのではないのではない。 ののではないのではないのではない。 ののではないのではないのではないではない。 ののではないのではないではないではないではないではないではないではないではないではないではない	(大) (大) (大) (大) (大) (大) (大) (大) (大) (大)	はいます。ことではいることではいることではいる。ことではいることではいいではいいではいいではいいではいいではいいではないがある。ことができる。ではいいできる。といってはいいできる。といってはいいできる。といってはいいできる。といってはいいできる。では、ことができる。といってはいいっとができる。といってはいいっとができる。といってはいいっとができる。といっというできる。といっというできる。といっというできる。といっというできる。といっというできる。といっというできる。といっというできる。といっといっというできる。といっというできる。といっというできる。といっているな数列の極限を求めることができる。ことができる。ことができる。ことができる。この簡単な級数の収束・発散を調べ、そとができる。この簡単な級数の収束・発散を調べ、そ
Charact ☑ Active Course	Plan lst	講義がおのは は に で に に で に に で に に で で で で で で で の に で の に で の に で の に 。 に の に の に る に 。 に 。 に る に る に る に 。 。 に 。 に 。 に 。 に 。 に 。 に 。 に 。 に 。 に 。 に 。 。 。 に 。 に 。 に 。 に 。 に 。 に 。 に 。 に 。 に 。 。 。 。 。 。 。 。 。 。 。 。 。	Uつかり理解に努理という。 認可し教科書や問題にという。 というである。 し合で評価を必ずすができるである。 にする学がある。 がである。 がの、 ので、 ので、 ので、 ので、 ので、 ので、 ので、 の	めること。疑問点は 集の問題を解いて問 課題等の提出物を20 ただし、この割合で ただし、この割合で もだり、この割合で でCBTを行 わかの週でCBTを行 予習・復習及び課題 earning	しておくようにして のでは ででは ででは ででは ででは ででいる でいる でいる でいる でいる でいる でいる でい	大だ解さい。 一をいますない。 一をいますなのある。 大で解子等へのありないでは、 大きなでは、 大きなでは、 大きなでは、 大きなでは、 大きなでは、 大きなでは、 大きなでは、 大きなでは、 大きなでは、 大きなでは、 大きなでは、 大きなでは、 大きなでは、 大きなでは、 大きなでは、 大きなが、 大きなが、 には、 大きなが、 大きなが、 には、 大きなが、 には、 大きなが、 には、 大きなが、 には、 大きなが、 には、 大きなが、 には、 には、 には、 には、 には、 には、 には、 には	はいます。ことではいることではいることではいます。ことではいることではいいます。 このにではいいではいいではいいではいいではいいではいいできる。 このいて理解し、簡単な2階微分方程ことができる。 はいたができる。 はいたができる。というできる。簡単な1変数とのできる。 はいたができる。とができる。を解くことができる。 はないらいることができる。 はないらいるな数列の極限を求めることができる。 というな数列の極限を求めることができる。 の簡単な級数の収束・発散を調べ、そとができる。 の簡単な級数の収束・発散を調べ、そとができる。
Charact Active Course	Plan lst	講義がまるに 講義必おののなえ保学 of Class / 1st 2nd 3rd 4th 5th 6th	Uつかり理解に努理という。 図し教験を50%、 以上を含いる。 以上をごする。 にこれる。 にこれる。 にこれる。 にこれる。 にこれる。 にこれる。 にこれる。 にこれる。 がいまである。 はいまである。 はいまでなる。 はいまでなる。 はいまでなる。 はいまでなる。 はいまでなる。 はいまでなる。 はいまでなる。 はいまでなる。 はいまでなる。 はいまでな。 は、 は、 は、 は、 は、 は、 は、 は、 は、 は、	めること。疑問点は 集の問題を解いて問 課題等の提出物を20 ただし、この割合で ただし、この割合で もだり、この割合で でCBTを行 わかの週でCBTを行 予習・復習及び課題 earning	しておくようにしてのできます。	 (大) からいます。 (大) からいます。 (大) をといますなのありなどのできます。 (大) をといますなのありなどでは、 (大) を持ちます。 (大) では、 (は対していること。またその日のうちい試験を行うので日頃からよく勉強しり組み状況を30%として総合的に評価を期間までの要積評価の割合以上の評価割合)1/3以上の欠課。本科目は、授当学習時間の総計が、180時間に相当と対して関係を関していて理解し、簡単な2階微分方程とができる。場所微分方程式などいろいろな簡単なを解くことができる。簡単な1変数に次近似式・2次近似式を求めることができる。とができる。とができる。
☑ Active Course	Plan lst	講義がおらいます。 講義必おらのなえ保証 of Class / 1st 2nd 3rd 4th 5th 6th 7th	Uつかり理解に努理という。 図し教験を50%、 以上を多する。 以上を容である。 I Division in Le 図 Aided by I Theme 微分方程式 関数の展開 関数の展開 関数の展開 関数の展開 関数の展開 関数の展開	めること。疑問点は 集の問題を解いて問 課題等の提出物を20 ただし、この割合で ただし、この割合で もだり、この割合で でCBTを行 わかの週でCBTを行 予習・復習及び課題 earning	しておくように、そのでは、	(大) かい (大) では、 (大) で	こうに努めること。またその日のうちい試験を行うので日頃からよく勉強しり組み状況を30%として総合的に評価後期中間までの累積評価の割合は暫がよく出来ていれば割合以上の評価割合)1/3以上の欠課。本科目は、授当学習時間の総計が、180時間に相当学習時間の総計が、180時間に相当上できる。場形微分方程式などいろいろな簡単なとができる。関を求めることができる。関を求めることができる。関を求めることができる。の簡単な級数の収束・発散を調べ、そとができる。の簡単な級数の収束・発散を調べ、そとができる。の簡単な級数の収束・発散を調べ、そとができる。の簡単な級数の収束・発散を調べ、そとができる。の簡単な級数の収束・発散を調べ、そとができる。の間単な級数の収束・発散を調べ、そとができる。の間単な級数の収束・発散を調べ、そとができる。の間単な級数の収束・発散を調べ、そとができる。の間単な級数の収束・発散を調べ、そとができる。の間単な級数の収束・発散を調べ、そとができる。の間単な級数の収束・発散を調べ、そとができる。の間単な級数の収束・発散を調べ、そとができる。の間単な級数の収束・発散を調べ、そとができる。の間単な級数の収束・発散を調べ、そとができる。の間単な級数の収束・発散を調べ、それの間単な級数の収束・発散を調べ、それの間に収数の収束・発散を調べ、それの収束・発散を調べ、それの収集を収集を収集を収集を収集を収集を収集を収集を収集を収集を収集を収集を収集を収

		12th	偏微分法			偏導関数を求めることがて	ご きる。
	13th		偏微分法		全微分の概念を理解し全微分に関する計算ができる。		
	14th		偏微分法		接平面の方程式を求めることができる。		
	15th		信告分注		合成関数の偏微分法を理解し、偏導関数を求めること ができる。		
		16th	期末試験				
Evaluati	ion Meth	od and	Weight (%)				
		武		課題		平常点(授業への取り組み 状況)	Total
Subtotal		50		20	3	0	100
基礎的能力	J	50)	15	3	0	95
専門的能力		0	·	0	0	· · · · · · · · · · · · · · · · · · ·	0
分野横断的	能力	0		5	0		5

Δ	kashi Co	ollege	Year	2024		Course Title	Mathematics III A-2			
Course	Informa	tion				1100	1			
Course Co		6306			Course Category	General	/ Compulsory			
Class For	mat	Lecture			Credits		ic Credit: 2			
Departme	ent	Electrical	and Computer I	Engineering	Student Grade	3rd				
Term		Second S	Semester		Classes per Wee	Week 2				
Textbook Teaching		高遠節夫	他著:新微分積分	Ⅱ 大日本図書 i	高遠節夫他著:新微	分積分Ⅱ問題第	大日本図書			
Instructo	r	MATSUM	IYA Atusi							
これまでは を習得する (1)まず数 の計算がで (2) 理論の (3) 抽象的	ることを目標 列の収束・ ごきるように)忠実な理解	数学を基礎と 悪とする。 発散,級数の になる。 なもらも理	収束・発散,マクロ	ーリン級数を理解す きる能力を獲得する。	る。そして2変数関		こ専門的な応用数学が理解できる能力 ける曲面として理解し、偏微分や重積分			
Rubric										
			理想的な到達し		標準的な到達レベ	ルの目安	未到達レベルの目安			
評価項目1			散,マクローリン にできる。そし	満,級数の収束・発 ン級数を理解が十分 で2変数関数を空間 にて十分に理解し 行の計算が十分に	数列の収束・発散 散,マクローリン級 。そして2変数関数 曲面として理解で 積分の計算ができ	数を理解できる 数を空間における き、偏微分や重	る 散,マクローリン級数を理解できな る い。そして2変数関数を空間におけ			
評価項目2			理論の忠実な理 に文章表現でき 得している。	解と自らも理論的 る能力を十分に獲	理論の忠実な理解 に文章表現できる いる。	と自らも理論的 能力を獲得して	理論の忠実な理解と自らも理論的 に文章表現できる能力を獲得して いない。			
評価項目3			抽象的枠組を具る能力を十分に	 !体的問題に適用す !獲得している。	抽象的枠組を具体 る能力を獲得して		抽象的枠組を具体的問題に適用す る能力を獲得していない。			
Assiane	d Denar	tment Ob		_ · <u>~ · </u>			,			
	g Metho		<u> </u>							
Outline	ig i icciic	微分積分の	の基本概念及びそんな素養を獲得する。 ひま養を獲得する。	。主に数列の収束と	いろな計算手法を習 発散,級数の収束と勢	得し、専門分里 発散,マクローリ	予で応用する際のさまざまな事象の解 ン展開,2変数関数の偏微分とその応用			
Style		予習を前 たことや 題集にあ	提として教科書に満義で理解できなだる問題を解くよう(沿って講義する。また かったことは放置せ	ずに質問するように Tを活用した授業を	して下さい。そ することがある	して理解に努め、予習でわからなかっ その日のうちに必ず復習し教科書と問 。確認のため予告なく小試験を行うこ			
Notice		講義 におく に を で し 定 り た り た り た り た え る り え る り る り る る る る る る る る る る る る	しっかり理解に努 習し教科書や問題! と。試験を50%、 上を合格とする。 今で評価しばずし!	めること。疑問点は 集の問題を解いて問 課題等の提出物を20 ただし、この割合で ちょ記の割合になら	めず質問して、その 関演習を十分するこ 10%、発表および平見 評価点をつける。 選	都度解消する。 と。予告なくり 素の授業への取 は学年末であり、 題等や発表など	ように努めること。またその日のうち 小試験を行うので日頃からよく勉強し り組み状況を30%として総合的に評価 後期中間までの累積評価の割合は暫 どがよく出来ていれば割合以上の評価 割合) 1/3以上の欠課。本科目は、授 己学習時間の総計が、180時間に相当			
Charact	eristics	of Class /	Division in Le	earning						
☑ Active	Learning		☑ Aided by I	CT	☑ Applicable to	to Remote Class				
Course	Plan									
			Theme		lo	Goals				
		1st	偏微分法の応用		1	9単な関数についずできる。簡単なることができる。	いて、2次までの偏導関数を求めること な関数について、高次偏導関数を求め			
		2nd	偏微分法の応用		係		。 て、基本的な2変数関数の極値を求める			
		3rd	偏微分法の応用		B	会関数の微分法	を応用した計算が出来る。			
	3rd		偏微分法の応用		<u> </u>	条件付き極値の	問題を解くことが出来る。			
	Quarter	5th	 偏微分法の応用				を求めることが出来る。偏微分に関す			
						る応用問題が解し				
2nd			2重積分			重積分の定義を				
r		7th 8th	2 重積分 2 重積分		2	重積分の性質を 重積分の定義を	と理解し、簡単な2重積分を累次積分に			
						して求めるこ	とができる。 の入れ替えができる。様々な2重積分			
		9th	2重積分		0	D計算ができる。				
	4th	10th	2重積分		7	ごきる。				
	Quarter		変数の変換と重積		t	ができる。	ることによって2重積分を求めること			
			変数の変換と重積				換が計算できる。 スラムボルキス			
		13th	変数の変換と重積	分		「義積分を求め	広義積分を求めることが出来る。			

		14th	変数の変換と重積分		重積分を用いて曲面積をす	めることが出来る。
		15th	変数の変換と重積分		重積分を用いて平均と重心	»を求めることが出来る。
		16th	期末試験			
Evaluati	ion Meth	od an	nd Weight (%)			
			試験	課題	平常点 (授業への取り組み 状況)	Total
Subtotal		į	50	20	30	100
基礎的能力	J	I	50	15	30	95
専門的能力 0		0	0	0	0	
分野横断的能力		(0	5	0	5

A	kashi Co	ollege		Year	2024			Course Title	Mathe	matics III B		
Course	Informa	tion										
Course Co	ode	6307	7			Course Cate	jory	General /	Compu	Isory		
Class For	Format Lecture Credits								Academic Credit: 2			
Departme	ent	Elect	rical and	d Computer Er	ngineering	Student Grac	le	e 3rd				
Term		First	Semest	er		Classes per V	sses per Week 2					
	Materials	新線	形代数 I	数 I 高遠節夫ほか5名共著 (大日本図書)								
Instructo												
(1) Under	Objective rstand the rstand the	definition	on and bon of ma	oasic propertie atrix eigenvalu	es of linear transfo les and eigenvect	ormation by mors, and learn	atrix a compi	nd learn its c utational tech	computa nniques	ntional techniques. for diagonal matrices.		
rtabile			Id	deal Level		Standard Lev	/el		Unacc	eptable Level		
Achievem	ent 1		L	earn and can omputing technatrices.		Understand t	he bas		Do no	t understand the basic uting techniques for		
Achievem	ient 2		a te	earn and can dean dean dean ced compection and compection and compections.	outational	Understand s computation matrices and	al tech	niques for	advan	t understand the more ced computing techniques umn vectors.		
Assigne	d Depar	tment	Objec	tives		<u> </u>		<u> </u>				
	g Metho											
Outline	J		ents wil	l learn the app	olication of matric	es as the basis	s of line	ear algebra.				
Style					through lectures a				ents an	d quizzes, etc.		
Notice		Matr	ices, Ch	. 3: Matrices	sential for taking more of classes v			-	,	ook above) Ch. 2:		
Charact	eristics	•		vision in Lea		···· · · · · · · · · · · · · · · · · ·		a passing gi				
☑ Active		or cruc		Aided by IC				mote Class	☐ Ins	structor Professionally enced		
Course	Plan											
		1	The	me			Goa					
		1st	Line	ear transforma	ti			erstand the disformation.				
		2nd		t transformation			tran	Understand and can apply the nature of linear transformations. Understand and can calculate synthesis				
	1st	3rd 4th		ear transforma			tran	transformations. Understand and can calculate synthesis Understand and can calculate reverse conversion.				
	Quarter	5th		ear transforma			Und	Understand and can calculate reverse conversion Understand and can calculate the linear transformation representing the rotation.				
		6th	Line	ear transforma	tion		Und		can cal	culate the nature of		
		7th	Sun	nmary				Review / development				
1st		8th	Exe	rcise			Exe	rcise				
Semeste r		9th	Eige	envalues and t	heir applications			erstand the onvectors.	definitio	ns of eigenvalues and		
		10th			heir applications		Can	calculate eig	envalue	es and eigenvectors.		
		11th	Eige	envalues and t	heir applications		Und	erstand diag	onal ma	trices.		
	2nd Quarter	12th	Eige	envalues and t	heir applications			calculate for				
13th Eigenvalues and their applications						erstand and jonals.	can cal	culate the probability of				
14th Eigenvalues and their application				heir applications		sym	metric matri	can calo x by an	culate the diagonals of a orthogonal matrix.			
15th Exercise 16th Exam							Exe	rcise				
Evaluat	ion Meth	od an	d Wei	ght (%)								
Evaluation Method and Weight (%) Exam Presentation						Attendance Total			Total			
Subtotal						30 100						
Basic Pro	Basic Proficiency 40			30		30			100			
Specialize	ed Proficier	ncy	0	-	0		0	· · · · · · · · · · · · · · · · · · ·		0		
Specialized Proficiency 0 Cross Area Proficiency 0					0		0			0		

А	.kashi Co	ollege	Year	2024			ourse Title	Science III -1		
Course	Informa	tion	· · · · · · · · · · · · · · · · · · ·							
Course Co	ode	6309			Course Category	y	General	/ Compulsory		
Class Forr	mat	Lecture			Credits	:	School (Credit: 1		
Departme	ent		and Computer E	ngineering	Student Grade					
Term		First Sem		F. I. I. (1.22	Classes per Wee		2			
Textbook Teaching	Matérials	「新編 イ版)	比学」(数研出版) Yasuhiro	、「リードa 化学 	学基礎+化学」(数例	研出版) ———	· 、 フ:	ォトサイエンス 化学図録」(数研出 		
Instructor			Yasuniro							
1. 物質の4 2. 化学反応 3. 無機物質	むに関する。 質に関する。	る基本事項に 基本事項につ 基本事項につ	ついて説明や計算 いて説明や計算が いて説明や計算が いて説明や計算が	できる。 できる。						
Rubric					1			1		
			理想的な到達レ		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				する基本事項につ や正確な計算が十	物質の状態に関す いて説明や計算が			物質の状態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				る基本事項につい 正確な計算が十分	化学反応に関する て説明や計算がで	基本事 きる。	項につい	化学反応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			無機物質に関すて的確な説明やにできる。	る基本事項につい 正確な計算が十分	無機物質に関するて説明や計算がで		項につい	無機物質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				る基本事項につい 正確な計算が十分	有機物質に関する て説明や計算がで		項につい	有機物質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 Ob	jectives							
Teachin	g Metho	od								
Outline		この科目にいて講義形学反応にて	は、企業で化学に関 が式で授業を行う <i>も</i> Oいて学ぶ。化学を	関する研究開発を担 5のである。化学基 5通して科学的思考	当していた教員が、 礎(サイエンスIIB) ⁻ を養う。	その経 で学習し	経験を活力 した内容	かし、様々な化合物の性質や反応につ をもとに、様々な化学物質の性質や化		
Style		理解度を研		テスト等を適宜実施						
Notice		日常生活を CBTについ 評価の対象	を科学的に考察する いては、日時を振り 象としない欠席条件	ることによって、「 [,])替えて行うことが (割合) 1/3以上	化学」が身近な存在 ある。 :の欠課	Eである 	ことを認	窓識して欲しい。		
Charact	eristics (of Class /	Division in Le	earning						
□ Active	Learning		☐ Aided by IC	☐ Applicable to Remote Class ☐ Instructor Professional Experienced						
Course	Dlan									
Course	riaii	T-	Гһете			Goals				
				0.1#\/#			アス、金属結晶、イオン結晶に関する			
		1st 4	物質の状態1 固体	(<i>0</i>) 構造			て説明や計算ができる。			
		2nd 4	物質の状態 2 分子	子間力、分子結晶、	共有結合の結晶	分子間力、分子結晶、共有結合の結晶に関する基本事 項について説明や計算ができる。				
		3rd 岩	物質の状態3 物質	質の状態変化	 - -	粒子の熱 蒸気圧に 。	熱運動、物 こ関する	物質の三態とエネルギー、気液平衡と 基本事項について説明や計算ができる		
	1st Quarter	4th 4	物質の状態4 気体	の体積と状態方程			本積と状態 算ができる	態方程式に関する基本事項について説 る。		
		5th 均	物質の状態5 混合	合気体の圧力と実在	気体 湯	混合気体 説明や記	本の圧力。 計算ができ	と実在気体に関する基本事項について きる。		
		6th	物質の状態 6 溶液	夜、希薄溶液の性質	とコロイド溶液	容解、剤 頃につい	予薄溶液の ハて説明 ⁴	の性質とコロイド溶液に関する基本事 や計算ができる。		
1st Semeste		7th 指	物質の状態に関する	る総括	4	物質の物	犬態に関	する問題を解き、説明できる。		
r		8th	支応速度と平衡1	化学反応と熱、ヘ			たと熱、∕ 計算ができ	へスの法則に関する基本事項について きる		
		9th J	支応速度と平衡 2	化学反応と光	/	へスの流				
		10th //	 支応速度と平衡 3	電池と電気分解	Ē		電気分解の	ことである基本事項について説明や計算		
	2nd			化学反応の速さと	反応条件、化学 4	化学反应		と反応条件に関する基本事項について きる。		
	Quarter		支応速度と平衡 5	可逆平衡と化学平	海		新、化学 ³	平衡に関する基本事項について説明や		
		13th	支応速度と平衡 6	平衡状態の変化	3		まの変化(こ関する基本事項について説明や計算		
		14th <i>J</i>	支応速度と平衡 7	平衡状態、電解質	質溶液の化学平衡 -	 平衡状態 ついて記	態、電解質 説明や計算	質溶液の化学平衡に関する基本事項に 算ができる。		

		15th <i>5</i>	支応速度と平衡 に関する総括		反応速度と平衡に関する問題を解き、説明できる。		
		16th #	明末試験				
Evaluati	on Meth	od and W	eight (%)				
			定期試験	実験・レポート 等	・小テスト・課題	Total	
Subtotal			60	40		100	
基礎的能力	J		60	40		100	
専門的能力)	•	0	0		0	
分野横断的	能力		0	0		0	

Δ	kashi Co	olleae	Year	2024			urse	Science III -2		
	Informa			1			itle			
Course Co		6310			Course Categor	rv (General	/ Compulsory		
Class For		Lecture			Credits		School C	•		
Departme			and Computer E	ngineering	Student Grade	3rd				
Term		Second S	emester		Classes per We	ek 2	2			
Textbook Teaching	Materials			ノードa化学基礎+化	2学」数研出版、	「フォトち	ナイエンス	ス 化学図録」数研出版		
Instructo		SAKURAI	Yasuhiro							
1. 周期表 2. 無機物 3. 有機物 4. 化学に	質の性質、, 質の構造、'	化学物質の性 反応を理解し 官能基を理解	質を理解し、説明 説明できる。 し、性質や反応を 、安全性や環境問	説明できる。						
Rubric			理想的な到達レ		標準的な到達レ	ベリ <i>の</i> 日:		未到達レベルの目安		
==/===			物質の状態に関	する基本事項につ	物質の状態に関う					
評価項目1			分にできる。	や正確な計算が十 	いて説明や計算が			いて説明や計算ができない。		
評価項目2			10子及応に関す て的確な説明や にできる。	る基本事項につい 正確な計算が十分	化学反応に関する て説明や計算が		頃につい	化学反応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			無機物質に関す て的確な説明や にできる。	る基本事項につい 正確な計算が十分	無機物質に関するて説明や計算が		頃につい	無機物質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			有機物質に関す て的確な説明や にできる。	る基本事項について正確な計算が十分	有機物質に関する て説明や計算が	る基本事 []] できる。	頃につい	有機物質に関する基本事項につい て説明や計算ができない。		
Assigned Department Ob			jectives							
Teachin	ig Metho	od								
Outline		一いて講義用	『式で授業を行う。	関する研究開発を担 ちのである。化学基 を通して科学的思考	礎(サイエンスIIB)	、その経)で学習し	験を活か た内容を	し、様々な化合物の性質や反応につ をもとに、様々な化学物質の性質や化		
Style				形式で授業を行い、確認テストを適宜実施する。						
Notice		日常生活を CBTについ	を科学的に考察する)ては、日時を振り	ることによって、「A O替えて行うことが 牛(割合) 1/3以上	 化学」が身近な存 ある。	在である	ことを認	識する。		
Charact	eristics	•	NC いない人 雨来で Division in Le		上の火課					
□ Active	Learning	,	☐ Aided by I	☐ Aided by ICT		☑ Applicable to Remote Class		☐ Instructor Professionally Experienced		
_										
Course	Plan	1 1_				Ι				
			「heme 無機物質-1 水素と		 17族 (ハロゲン)	Goals 水素や希	ガス、ノ	しロゲンの単体や化合物の性質や反応		
		2nd #	無機物質-2 16族	(酸素と硫黄)	,	について理解し、説明できる。 酸素や硫黄の単体や化合物の性質や反応について理解 し、説明できる。				
		3rd #	無機物質-3 15族	(窒素、リン) 14族	(炭素・ケイ素)	窒素、し	リン、炭素	ただけ、		
	3rd	4th #	無機物質-4 1族	(アルカリ金属)、2	族	アルカリ ついて理	J金属、2 関解し、説	族元素の単体や化合物の性質や反応に 説明できる。		
	Quarter	5th 類	無機物質-5 1・2旅 沿)	実以外の典型元素(⁷	アルミニウム・亜	アルミニ 素の単体 できる。	ロウム、重ない はや化合物	亜鉛、水銀、スズ、鉛の単体の典型元 物の性質や反応について理解し、説明		
			無機物質-6 遷移元 雛と確認	素(3~11族)と	金属イオンの分			、銀クロム、マンガン)の単体および 反応について理解し説明できる。		
2nd Semeste		7th 4	有機物質-1 有機化	(合物の特徴と構造)	快定	有機化合 説明でき		数および構造式の決定手順を理解し、		
r			有機物質-2 飽和炭 素(アルケンとア	化水素(アルカン) ルキン)	、不飽和炭化水	理解し、	説明でき			
			有機物質-3 アルコ	1ールとエーテル		アルコー 説明でき		-テルの性質や反応について理解し、 		
			有機物質-4アルデ	ヒドとケトン		できる。		トンの性質や反応について理解し説明 		
	4th	11th 4	有機物質-5 カルオ	ボン酸 エステル・i	曲脂・セッケン	反応にて	ついて理解	ステルおよび油脂やセッケンの性質や 解し、説明できる。		
	Quarter	12th 4	有機物質-6 芳香族	炭化水素-1		る、		D性質や反応について理解し説明でき		
		13th 4	有機物質-7 芳香族	炭化水素-2		る。		D性質や反応について理解し説明でき		
		14th 4	有機物質-8 高分子	化合物		古成局ケ 。	丁士、大祭			

	15th	後期まとめ		無機物質、有	与機物質の性質、反応について説明できる
	16th	期末試験			
Evaluation	Method and	Weight (%)			
		試験	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	J	0	0		0

А	kashi Co	ollege	Year		2024			Course Title	Physical Education III-1		
Course :	Informa	tion	<u> </u>				1				
Course Co		6311				Course Catego	ry	General /	' Compulsory		
Class Forr	nat	Skill				Credits	•	School Ci			
Departme	nt	Electrical	and Compute	er En	gineering	Student Grade	e 3rd				
Term		First Sem	•		<u> </u>	Classes per We					
Textbook Teaching						,		2			
Instructor	=	GOTOH T	akayuki,ISHI	akayuki,ISHIDA Masami							
Course	Obiectiv	es	•								
Particip Can tal	ate in clas	sses to impr	ports safely. A	own Also,	health and phys recognizes the s	ical strength. Al ignificance of co	so, ha Ilabora	ve some le ating and c	evel of self-discipline. cooperating with the team and can		
Rubric											
			Ideal Level			Standard Level			Unacceptable Level		
Achievem	ent 1		improve the	eir he engt	h. Have a high	Participate in c their health an strength. Have self-discipline.	d phys	sical ·	Do not participate in classes. Do not strive to improve their health and physical strength. Have a poor level of selfdiscipline.		
Achievem	ent 2		sport praction	ices a mpe	ate in various and games, and titive. Also have e on games, etc.	Can actively payarious sport p games. And als for them.	ractice	es and	Do not participate in various sport practices and games.		
Achievem	Achievement 3				role of a leader elp increase	Understand an take on the rol	d can e of a	play or leader.	Do not understand the role of a leader. Also, never play that role.		
Assigne	d Depar	tment Ob	jectives								
	g Metho										
Outline		the habit Students content. tennis, of students.	of playing spo will split into Students can ther sports as	orts grou choo dete	on a daily basis. Ips and leaders wase from: Softballer Ermined feasible	This class requing the class requing the class reacter, futsal, by teachers whith the class requires the class requirements are class requirements.	res an to pla tennis le ensi	active and in, review, s, basketba uring safet	h of sports so that they can build proactive attitude to participate. and implement the course all, volleyball, badminton, table y, based on requests from		
Style		the basic teamwor	skills they lea k while collabo	arneo orati	d in previous year ng and cooperati	rs. They are also ng with your tea	enco am wit	uraged to th your lea	e rules, how to play games, and experience the fun of enhancing der in the center. Students should s support their effort.		
Notice		grade. Do not These are Use of Tardin but their If it is that class absence.	t wear accesson also eligible is smartphones ess will be except attendance will be marked will be marked will be marked in the second will be marked in the second in the	ories for o cuse vill be at a ed a	, watches, or any grade deduction. any other unrelated for the first 20 marked as abse student left class s absent, and the	other unneces ed activities dur minutes. Stude nt. early without b ir grade for pre	sary it ing cla nts can peing e vious o	ems, as wo ass are sub a participal excused (di classes will	ats will be deducted from their 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 (Division in			es will not be eligible for evaluation.					
☑ Active		<u> </u>	☐ Aided by			☑ Applicable t	o Rem	ote Class	☐ Instructor Professionally Experienced		
						· 			· ·		
Course	Plan										
		-	Theme				Goals				
		1st	Guidance Softball, socce volleyball, bad as determined	dmini d fea:	tsal, tennis, bask ton, table tennis, sible by teachers equests from stu	other sports while ensuring	Unde	rstand the e. Split into	purposes and objectives of this o teams in each sport and select a		
2nc		2nd	volleyball, bad as determined safety, based o	lmini I feas on re	tsal, tennis, bask ton, table tennis, sible by teachers equests from stu	other sports while ensuring dents.	Can d	lo warm-u t on the cl	p and practice, play games, and ass, led by a leader.		
1st Semeste r	Semeste Ouarter 3r		volleyball, bad as determined safety, based	lmini I feas on re	tsal, tennis, bask ton, table tennis, sible by teachers equests from stu	other sports while ensuring dents.	Can d reflec	lo warm-u t on the cl	p and practice, play games, and ass, led by a leader.		
			volleyball, bad as determined	lmini I fea:	tsal, tennis, bask ton, table tennis, sible by teachers equests from stu	other sports while ensuring	Can d reflec	lo warm-u t on the cl	p and practice, play games, and ass, led by a leader.		
		5th	volleyball, bad as determined	lmini I fea:	tsal, tennis, bask ton, table tennis, sible by teachers equests from stu	other sports while ensuring	Can c	lo warm-u t on the cla	p and practice, play games, and ass, led by a leader.		

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

Akashi Col Course Informati Course Code		ollege	Year	2024		C	Course Title	Physical Education III-2			
Course	Informa	tion									
Course Co	ode	6312			Course Categor	У	General	/ Compulsory			
Class Forr	mat	Skill			Credits		redit: 1				
Departme	ent	Electrica	and Computer E	Engineering	Student Grade	3rd					
Term		Second S	Semester Classes per Week 2								
Textbook Teaching											
Instructor	-	ISHIDA I	IDA Masami,MAEDA Tadanori								
Course	Objectiv	es									
・ Can tal	ke action t	sses to impi to conduct s action to do	sports safely. Also	vn health and physo, recognizes the s	ical strength. Als ignificance of col	so, ha labora	ve some lating and	evel of self-discipline. cooperating with the team and can			
Rubric	,										
			Ideal Level		Standard Level			Unacceptable Level			
Achievem	ent 1		improve their	gth. Have a high	Participate in cl their health and strength. Have self-discipline.	d phys	sical '	Do not participate in classes Do			
Achievem	ent 2		sport practices are very comp	ipate in various s and games, and petitive. Also have nce on games, etc.	Can actively pa various sport pi games. And als for them.	ractice	es and	Do not participate in various sport practices and games.			
Achievem	ent 3			ne role of a leader	Understand and take on the role	d can	play or leader.	Do not understand the role of a leader. Also, never play that role.			
Assigne	d Depar	tment Ob	jectives								
Teachin	g Metho										
Outline		the habit Students content. tennis, o students	I of this course is for students to learn more about the fun and depth of sports so that they can build to playing sports on a daily basis. This class requires an active and proactive attitude to participate. Is swill split into groups and leaders will take the lead to plan, review, and implement the course Students can choose from: Softball, soccer, futsal, tennis, basketball, volleyball, badminton, table other sports as determined feasible by teachers while ensuring safety, based on requests from the same active and proactive attitude to participate. So are encouraged to improve their skills through games based on the rules, how to play games, and								
Style		the basic teamwor take the	e basic skills they learned in previous years. They are also encouraged to experience the fun of enhancing amwork while collaborating and cooperating with your team with your leader in the center. Students should ke the initiative in creating a safe and welcoming class, and the instructors support their effort.								
Notice		grade. Do no These ar Use of Tardir but their If it is that clas absence.	t wear accessorice also eligible for framety f	es, watches, or and r grade deduction. r any other unrelat sed for the first 20 be marked as abse a student left class	y other unnecessed activities duri minutes. Studer ent. s early without be sir grade for prev	nts will be deducted from their rell as chewing gum during class. eject to point deductions. It in the class after 20 minutes, litching class), their attendance for a deduction equal to an on.					
Charact	eristics o		Division in Le		es will flot be eligible for evaluation.						
☑ Active			☐ Aided by I		☑ Applicable to	Rem	ote Class	☐ Instructor Professionally Experienced			
	DI.										
Course	rian 	<u> </u>	Th		1	<u> </u>					
	Guid Softt 1st volle as de		volleyball, badmi as determined fe	futsal, tennis, bask inton, table tennis, easible by teachers requests from stu	other sports while ensuring		rstand the e. Split int	purposes and objectives of this teams in each sport and select a			
		2nd	Softball, soccer, volleyball, badmi as determined fe	futsal, tennis, bask inton, table tennis, easible by teachers requests from stu	ketball, other sports while ensuring	Can d	lo warm-u t on the c	p and practice, play games, and lass, led by a leader.			
2nd Semeste r	3rd Quarter	3rd	volleyball, badmi as determined fe	futsal, tennis, bask inton, table tennis, easible by teachers requests from stu	other sports while ensuring	Can d	lo warm-u t on the c	p and practice, play games, and lass, led by a leader.			
		4th	volleyball, badmi as determined fe	futsal, tennis, bask inton, table tennis, easible by teachers requests from stu	other sports while ensuring	Can d reflec	lo warm-u t on the c	p and practice, play games, and lass, led by a leader.			
		5th	volleyball, badmi as determined fe	futsal, tennis, bask inton, table tennis, easible by teachers requests from stu	other sports while ensuring	Can d	lo warm-u t on the c	p and practice, play games, and lass, led by a leader.			

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

Akashi College				Year	2024	Course Title	ا	English Ⅲ-2			
Course	Informat	tion									
Course InformationCourse Code6314Course CategorClass FormatLectureCredits								ral /	Compulsory		
Class Forr	mat	Lecture				Credits	School Credit: 1				
Departme	ent	Electrica	and C	Computer En	ngineering	Student Grade	3rd				
Term		Second 9	Semest	ter		Classes per We	eek 2				
Textbook Teaching		Welcome Edition (e TOEIC® L	&R Test -New Ed	ition-/『データ⁄	ベース4500』	(継	続)/『NextStage』4th		
Instructor	-	MORIMO	4OTO Nana								
Course	Objectiv	es									
ができる。 ·日常生活	や自分の身流	近なことにて	いて、	ある程度の的	り確さ、流暢さ、即	応性をもって内容	『を聴解、読解	1、伝	場面での英語の使用に役立てること 達できる。 単な意見交換ができる。		
Rubric											
			理想	!的な到達レ^		標準的な到達レク	ジルの目安		未到達レベルの目安		
評価項目1			を図 解し 実際	3ろうとする態 ようとする娑	ミュニケーション 態度や異文化を理 受勢を身に付け、 英語の使用に応用 ごができる。	相手と英語でコミを図ろうとする態解の場面での多 実際の場面でのある	態度や異文化を 姿勢を身に付け き語の使用に後	·理 t、	相手と英語でコミュニケーション を図ろうとする態度や異文化を理 解しようとする姿勢を身に付け、 実際の場面での英語の使用に役立 てることができない。		
評価項目2			いて	【、的確さ、流 のて内容を聴解)身近なことにつ 記暢さ、即応性を 解、読解、伝達で	日常生活や自分のいて、ある程度の、即応性をもって解、伝達できる。)的確さ、流暢	≣	日常生活や自分の身近なことについて、ある程度の的確さ、流暢さ、即応性をもって内容を聴解、読解、伝達できない。		
評価項目3			関す て、	「る基本的な情	質や自分の専門に 情報や考えについ 読解、伝達に加 ごきる。	社会性のある話題 関する基本的な情 て、内容の聴解、 え、簡単な意見な	情報や考えにて 読解、伝達に	ひしき	社会性のある話題や自分の専門に 関する基本的な情報や考えについ て、内容の聴解、読解、伝達に加 え、簡単な意見交換ができない。		
Assigne	d Depart	tment Ob	jectiv	ves							
Teachin	g Metho	d									
Outline		リスニンの向上を			ーディングなどの個	固別スキルのレベル	レアップに加え	え、T	OEICで高得点が狙えるよう英語力		
Style					トの後、教科書を何	まった講義と演習を	を行う。授業で	で行っ	 った内容について復習をする。		
Notice		_			業に臨むこと。小う (割合):1/4以上						
						の欠課					
Charact	eristics o	of Class /	/ Division in Learning								
□ Active	Learning		☐ Aided by ICT ☐ Applicable			☑ Applicable to	to Remote Class				
	DI.										
Course	Pian		T I			T	<u> </u>				
			Theme	<u>e</u>			Goals ごよの吉叩ち				
		1st	授業概	要説明 ——————				題に	ついて理解する。		
		2nd	Unit 1				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。				
		3rd	Unit 2				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。				
	3rd	4th	Unit 3				レッスンの課 を習得する。	題と	して設定されている語彙・文法など		
	Quarter	5th	Unit 4				レッスンの課 を習得する。	題と	して設定されている語彙・文法など		
		6th	Unit 5					題と	して設定されている語彙・文法など		
		7th	Unit 6					題と	して設定されている語彙・文法など		
2nd Semeste		8th	中間の	 まとめ					 理解したことをきちんと成果として きる		
1		9th	Unit 7						<u>さる。</u> して設定されている語彙・文法など		
		10th	Unit 8				レッスンの課	題と			
		11th	Unit 9					題と	して設定されている語彙・文法など		
	4th Quarter		Unit 10					題と	して設定されている語彙・文法など		
	2		Unit 1					題と	して設定されている語彙・文法など		
			Unit 12					題と	して設定されている語彙・文法など		
		_	後期総征				を習得する。 後期の学習内	突に			
	İ	1201	区内小心	NZ II			スツハンナロリ	T ₁ C	フィ・C区日ッと。		

		16th	期末試験			これまでの学習で理解したことをきちんと成果として 表現することができる。			
Evaluati	on Metho	od and \	Weight (%)						
		試験		小テスト	相互評価	7	- の他	Total	
Subtotal		60		20	0	20	0	100	
基礎的能力	l	60		20	0	20	0	100	
専門的能力	l	0		0	0	0		0	
分野横断的	能力	0		0	0	0		0	

А	kashi Co	ollege	Year	2024			C	Course Title	English Conversation I-1		
Course :	Informa	tion									
Course Co	ode	6315		Course Category General / Compulsory							
Class Forr	mat	Lecture				Credits		School C	School Credit: 1		
Departme	ent	Electrical	al and Computer Engineering Student Grade 3rd								
Term		First Sen	Semester Classes per Week 2								
Textbook Teaching		Smart Ch Oxford U	noice (4th Edition niversity Press,	on) Student ISBN: 978	t Book 3 3-0-19-40	with Online Prac 06129-2.	tice, b	y Ken Wil	son and Alice Savage (2020)		
Instructor		HERBER	Γ John C.								
Course	Objectiv	es									
convey or 2) Learn t to a listen 3) Memor high school 4) Learn c and struct 5) Listen t minute, re 6) Speak	ne's meanithe rules of the rules of the volument of the volument of the volument of the volument of the volume is one is	ng to a lister of English procession process	ener. conunciation and conunciation and conunciation and conunciation conunciatio	d accents a nigh school ed for profe ccordance d use them on from the opics. alish using	nd use the Learn nessional exith the properly e content	nem properly in ew vocabulary in education, and u curriculum guid y. : spoken in a clea rms, regarding e	order in acco se the elines ar proi	to speak or rdance wi m properl for high so nunciation	chool in addition to the grammar at a speed of about 100 words a		
Rubric											
			Mastery Leve			Standard Level			Unacceptable Level		
Objective (Pronuncia			Clear pronun intonation	ciation and	l natural	Understandable and recognizab			Poor pronunciation using only Japanese katakana to try to speak English and flat intonation		
Objective (Pronuncia			Natural accer rhythm	nt, stress, a	and	Understandable and rhythm	e acce	nt, stress,	Incomprehensible accent, stress, rhythm		
Objective (Vocabula			Mastery of al vocabulary	l textbook		Mastery of mos vocabulary whi focused on in c	ch the	teacher	k Mastery of only a few of the textbook vocabulary which the teacher focused on in class lectures		
Objective (Vocabula	4 ary and Sy	ntax)	Mastery of al from the text teacher's lect	book and f		Mastery of mos grammar from from the teach	the te	xtbook an	Mastery of only some of the grammar from the textbook and from the teacher's lectures		
Objective (English C	5 Communica	ation)	Able to main conversation		C	Able to maintai conversation so			Not able to maintain a basic conversation		
Objective (English C	6 Communica	ation)	Able to expre English clear	ly .		Able to express opinions in English somewhat clearly		ons in early	Not able to express opinions in English		
` _	Communica		English	, , ,				somewha	t Not able to explain ideas in English		
Assigne	<u>d Depar</u>	tment Ob	jectives								
Teachin	g Metho	d									
Outline		This cour they hav	rse focuses on I e learned from	English con previous cl	versatior lasses co	strategies and me alive in its sp	confide ooken	ence build form.	ing. Students will make the English		
Style		vocabula practice followed weeks, e	ry and gramma making English bv listening act	ir for makir conversationivities and eek will incl	ng Englisl ons. The more En	n conversations next week will in alish conversation	about nclude on prac	the unit to a short v ctice. Afte	ne first week will focus on useful opic. Then, the students will ocabulary and grammar review, r 3 units have been taught over six and grammar tests will be given as		
Notice		Ifocused a	and those who	are more th	han 10 m	r completing this ninutes late for c vill not be eligibl	lass m	iav be cou	sfully. Students who do not stay nted absent.		
Charact	eristics o	of Class /	Division in L	earning							
☑ Active	Learning		☑ Aided by	ICT		☑ Applicable to	o Rem	ote Class	☐ Instructor Professionally Experienced		
Course	Plan										
254.50			Theme Goals								
	1st Unit 1: Using the present perfect c to talk about hobbies					ontinuous form	Learn	enough w lently and	ocabulary and grammar to speak fluently about the unit topic in		
1st 1st			Unit 1 (continue continuous forn	ed): Using n to talk ab	the prese	ent perfect vies	Listen intona Englis	to and protection, prof	ractice using the appropriate nunciation, stress, and rhythm of k more naturally about the unit		
Semeste r	Quarter	3rd	Unit 2: Using ir shows and cele	direct ques brities	stions to	talk about	Learn confic Englis	lently and	ocabulary and grammar to speak fluently about the unit topic in		
			Unit 2 (continudatalk about show			questions to	intona Englis	ation, pròr	ractice using the appropriate nunciation, stress, and rhythm of k more naturally about the unit		

	I		1	
5th	Unit 3: Using the pass about art	ive form to express opinion	s Learn enough vocabula confidently and fluently English.	ry and grammar to speak about the unit topic in
6th	Unit 3 (continued): Us express opinions abou	sing the passive form to t art	Listen to and practice u intonation, pronunciation English to speak more report topic in English.	on, stress, and rhythm of
7th	First Speaking Test		possible with the conve	fidently, and fluently as rsation partner of your y and grammar from the
8th	Mid-term Exam (first v	written test)	Master the relevant voc studied up to this point.	
9th	Unit 4: Using relative opeople are like	clauses to describe what	Learn enough vocabula confidently and fluently English.	ry and grammar to speak about the unit topic in
10th				sing the appropriate on, stress, and rhythm of naturally about the unit
11th	Unit 5: Using infinitive technology and produc	s and gerunds to talk about	Learn enough vocabula confidently and fluently English.	ry and grammar to speak about the unit topic in
12th			Listen to and practice u intonation, pronunciation English to speak more r topic in English.	on, stress, and rhythm of
13th	Unit 6: Using the past past events	perfect form to describe	Learn enough vocabula confidently and fluently English.	ry and grammar to speak about the unit topic in
14th	Unit 6 (continued): Us describe past events	ing the past perfect form to	Listen to and practice u intonation, pronunciation English to speak more r topic in English.	on, stress, and rhythm of
15th	Second Speaking Test		Speak as naturally, con possible with the conve choice, using vocabular textbook.	fidently, and fluently as rsation partner of your y and grammar from the
16th	End-term Exam (secon	nd written test)	Master the relevant voc studied up to this point.	
valuation Method and Weight (%)				
		Written Tests	Online Homework	Total
				100
				100
	5th 7th 8th 9th 10th 12th 13th 14th 15th 16th od and SS 44	about art Unit 3 (continued): Usexpress opinions about The First Speaking Test Bith Mid-term Exam (first of the people are like) Unit 4: Using relative people are like Unit 4 (continued): Use describe what people are like Unit 5: Using infinitive technology and product the people are like to talk about technology. Use to talk about technology. Use to talk about technology. Use to talk about technology. Use to talk about technology. Use to talk about technology. Use to talk about technology. Use to talk about technology. Use to talk about technology. Use the past events Unit 6 (continued): Use describe past events Unit 6 (continued): Use describe past events Unit 6 (continued): Use describe past events End-term Exam (second Speaking Test)	about art Unit 3 (continued): Using the passive form to express opinions about art The First Speaking Test Bith Mid-term Exam (first written test) Unit 4: Using relative clauses to describe what people are like Unit 4 (continued): Using relative clauses to describe what people are like Unit 5: Using infinitives and gerunds to talk about technology and products Unit 5 (continued): Using infinitives and gerunds to talk about technology and products Unit 6: Using the past perfect form to describe past events Unit 6 (continued): Using the past perfect form to describe past events Unit 6 (continued): Using the past perfect form to describe past events Unit 6 (continued): Using the past perfect form to describe past events Unit 6 (continued): Using the past perfect form to describe past events Unit 6 (continued): Using the past perfect form to describe past events Unit 6 (continued): Using the past perfect form to describe past events Unit 6 (continued): Using the past perfect form to describe past events Unit 7 (continued): Using the past perfect form to describe past events Unit 8 (continued): Using the past perfect form to describe past events Unit 9 (continued): Using the past perfect form to describe past events Unit 9 (continued): Using the past perfect form to describe past events Unit 10 (continued): Using the past perfect form to describe past events Unit 9 (continued): Using the past perfect form to describe past events	about art English. Unit 3 (continued): Using the passive form to express opinions about art First Speaking Test Oth First Speaking Test Oth Mid-term Exam (first written test) Unit 4: Using relative clauses to describe what people are like Unit 4 (continued): Using relative clauses to describe what people are like Unit 5: Using infinitives and gerunds to talk about technology and products Unit 5: Using infinitives and gerunds to talk about technology and products Unit 5: (continued): Using infinitives and gerunds to talk about to talk about technology and products Unit 6: Using the past perfect form to describe past events Unit 6: (continued): Using the past perfect form to describe past events Unit 6: Using the past perfect form to describe past events Unit 6: (continued): Using the past perfect form to describe past events Unit 6: Using the past perfect form to describe past events Unit 6: (continued): Using the past perfect form to describe past events Unit 6: (continued): Using the past perfect form to describe past events Unit 6: (continued): Using the past perfect form to describe past events Unit 6: (continued): Using the past perfect form to describe past events Unit 6: (continued): Using the past perfect form to describe past events Unit 6: (continued): Using the past perfect form to describe past events Unit 6: (continued): Using the past perfect form to describe past events Unit 6: (continued): Using the past perfect form to describe past events Unit 6: (continued): Using the past perfect form to describe past events Unit 6: (continued): Using the past perfect form to describe past events Unit 6: (continued): Using the past perfect form to describe past events Unit 6: (continued): Using the past perfect form to describe past events Unit 6: (continued): Using the past perfect form to describe past events Unit 6: (continued): Using the past perfect form to describe past events Unit 6: (continued): Using the past perfect form to describe past events Unit 6: (continued): Usin

А	kashi Co	ollege	Year	Year 2024					English Conversation I-2		
Course	Informa	tion									
Course Co	ode	6316				/ Compulsory					
Class Forr	mat	Lecture				Credits		School C	School Credit: 1		
Departme	ent	Electrical	and Computer	r Er	ngineering	Student Grade		3rd			
Term		Second S	Semester			Classes per We	ek	2			
Textbook Teaching		Smart Ch Oxford U	noice (4th Editi niversity Press	on) , IS	Student Book 3 BN: 978-0-19-40	with Online Prac 06129-2.	tice,	by Ken Wil	son and Alice Savage (2020)		
Instructor	-	HERBERT	Γ John C.								
Course	Obiectiv	es									
convey or 2) Learn t to a listen 3) Memor high scho 4) Learn c and struct 5) Listen minute, re 6) Speak	ne's meanithe rules of the rules of the volument of the volument of the volument of the volument of the volume is one is	ng to a lister of English proceedings of the control of the contro	ener. conunciation and in junior is terms required to structure in a high school, are sarry informatic and familiar to pressions in Erroressions n Erroressions in Erroression in Err	hig red accord accord ion opic nali	ccents and use the school. Learn new for professional expressional expression of the second properly from the content is second pasic terms the second pasic terms and use the second properly from the content is the using basic terms and use the second properly from the s	nem properly in ew vocabulary i education, and u curriculum guid /. spoken in a cle	ordern accordern accorder the second according to the	to speak condance with the condance with the condense with the condense con	chool in addition to the grammar at a speed of about 100 words a		
Rubric											
			Mastery Lev	el		Standard Level			Unacceptable Level		
Objective (Pronunci			Clear pronur intonation	ncia	tion and natural	Understandable and recognization			Poor pronunciation using only Japanese katakana to try to speak English and flat intonation		
Objective (Pronunci			Natural acce rhythm	ent,	stress, and	Understandable and rhythm	e acce	ent, stress,	Incomprehensible accent, stress, rhythm		
Objective (Vocabula			Mastery of a vocabulary	ıll te	extbook	Mastery of mos vocabulary whi focused on in c	ch th	e teacher	k Mastery of only a few of the textbook vocabulary which the teacher focused on in class lectures		
Objective (Vocabula	4 ary and Sy	ntax)	Mastery of a from the tex teacher's lec	tbo	ok and from the	Mastery of mos grammar from from the teach	the t	extbook an	Mastery of only some of the grammar from the textbook and from the teacher's lectures		
Objective (English C	5 Communica	ation)		Able to maintain a basic able to maintain a basic conversation fluently able to maintain a basic conversation somewards.					Not able to maintain a basic conversation		
Objective (English C	6 Communica	ation)	Able to expr English clear		opinions in	Able to express opinions in English somewhat clearly			Not able to express opinions in English		
Objective (English C	7 Communica	ation)	Able to explain English	olain ideas fluently in Able to explain fluently in Engli				s somewha	t Not able to explain ideas in English		
Assigne	d Depar	tment Ob	jectives								
Teachin	g Metho	d									
Outline		This cour	rse focuses on e learned from	Eng	lish conversation	strategies and ne alive in its sp	confic	dence build form.	ing. Students will make the English		
Style		vocabula practice i followed weeks, e	ry and gramma making English by listening ac	ar f co tivit eek	or making English nversations. The ties and more Eng will include a spe	n conversations next week will i glish conversatio	about nclud on pra	t the unit to e a short v actice. After	ne first week will focus on useful opic. Then, the students will ocabulary and grammar review, r 3 units have been taught over six and grammar tests will be given as		
Notice		Ifocused a	and those who	are	ish is essential fo e more than 10 m more of classes v	inutes late for c	lass r	nav be cou	sfully. Students who do not stay nted absent.		
Charact	eristics o	of Class /	Division in I	Lea	arning						
☑ Active	Learning	<u> </u>				o Rer	note Class	☐ Instructor Professionally Experienced			
Course	Course Plan										
		-	Theme				Goal	 S			
		1ct			out how to "have	" or "get"	Lear confi Engli	dently and	ocabulary and grammar to speak fluently about the unit topic in		
2 2nd 3rd		2nd	Unit 7 (continu or "get" somet	ied)	: Talking about h g done	now to "have"	Liste intor Engli	n to and pro	ractice using the appropriate nunciation, stress, and rhythm of k more naturally about the unit		
Semeste r	Quarter		Unit 8: Using t potential impro		second conditiona ments	al to talk about	Lear	n enough vidently and	ocabulary and grammar to speak fluently about the unit topic in		
					: Using the secor ntial improvemen		English. Listen to and practice using the appropriate intonation, pronunciation, stress, and rhythm English to speak more naturally about the unit topic in English.				

		5th	Unit 9: Using should habout regrets and solu	nave and would have to talk utions	Learn enough vocabular confidently and fluently English.	ry and grammar to speak about the unit topic in					
		6th	Unit 9 (cont.): Using s to talk about regrets a	should have and would have and solutions	Listen to and practice u intonation, pronunciatio English to speak more r topic in English.	n, stress, and rhythm of					
		7th	First Speaking Test		Speak as naturally, compossible with a random topic selected by your to	partner and a random					
		8th	Mid-term Exam (first	written test)	Master the relevant voc studied up to this point.	abulary and grammar					
		9th	Unit 10: Using the per could, and must to sp	rfect forms of may, might, eculate	Learn enough vocabular confidently and fluently English.	ry and grammar to speak about the unit topic in					
		10th	Unit 10 (cont.): Using might, could, and mu	the perfect forms of may, st to speculate	Listen to and practice u intonation, pronunciation English to speak more r topic in English.	on, stress, and rhythm of					
		11th	Unit 11: Using the thin with and without inve	rd conditional to discuss life ntions	Learn enough vocabular confidently and fluently English.	ry and grammar to speak about the unit topic in					
	Ith Ouarter	12th	Unit 11(cont.): Using discuss life with and v	the third conditional to vithout inventions	Listen to and practice u intonation, pronunciatio English to speak more r topic in English.	on, stress, and rhythm of					
	•	13th	Unit 12: Using reporte	ed speech to talk about	Learn enough vocabular confidently and fluently English.	ry and grammar to speak about the unit topic in					
		14th	Unit 12 (continued): l talk about news	Jsing reported speech to	Listen to and practice u intonation, pronunciatio English to speak more r topic in English.	n, stress, and rhythm of					
	15th		Final Speaking Test		Speak as naturally, compossible with a random topic selected by your to	partner and a random					
	16th End-		End-term Exam (seco	nd written test)	Master the relevant voc studied up to this point.						
Evaluatio	n Meth	od ar	nd Weight (%)								
			Speaking Tests	Written Tests	Online Homework	Total					
Subtotal			40	30	30	100					
Basic Englis Communica			40	30	30	100					

Δ	kashi Co	ollege	Year	2024		Course Title	Mathematics Certification		
Course	Informa	tion	1	•		,	•		
Course Co		6320			Course Categor	y Genera	al / Elective		
Class For	mat	その他			Credits	<i>'</i>	l Credit: 1		
Departme	ent	Electrical a	and Computer E	ngineering	Student Grade	de 3rd			
Term		Year-round	d		Classes per Wee	ek 1			
Textbook Teaching	and/or Materials	None							
Instructo	r	OMODA Ya	asuhiro						
Course	Objectiv	'es							
If you pas Practical	ss any of t Mathemati	he following o	amination by ar qualifications, yo Test: Level 2 use of passing.	n external organiza ou will be eligible f	ation with conter for credit recogni	nt related to r tion.	nathematics.		
Rubric									
			Ideal Level		Standard Level		Unacceptable Level		
			Practical Mathe	ematics	Practical Mather	matics	Practical Mathematics		
Achievem	Proficiency Test: Pass Level pre-Proficiency 1.					:: Pass Level			
Assigne	d Depar	tment Obje	ectives						
Teachin	ng Metho	od							
Outline		the results designated by the Edu	of qualification dexternal qualif ucational Affairs	examinations spo ication exams and Section of the Stu	nsored by exterr complete the pr ident Affairs Divi	nal organizati escribed prod sion, you will	bject that gives credits according to ons. If you pass one of the cedures by the deadline designated be awarded one credit.		
Style			•	ıualification exam,					
Notice		examination proof is no Absence co	ons taken in the ot submitted wit onditions (perce	first and second y hin this period. St entage) that are no	years are require rictly observe the	d for credit tre e deadline.	certificates of passing the ransfer. Credits will not be granted if condition		
Charact	eristics	of Class / L	Division in Le	arning	1				
□ Active	Learning		☐ Aided by IC	T	☐ Applicable to	Remote Cla	ss Instructor Professionally Experienced		
Course	Plan								
		Th	neme			Goals			
		1st Se	elf-directed lear	ning	,	Voluntary stu lectures)	ldy for qualification exams (no		
		2nd sa	me as above			same as abov	ve		
		3rd sa	me as above			same as abov	ve		
	1st Quarter		me as above			same as above			
	Quarter	5th sa	me as above			same as above			
			me as above			same as above			
1st			me as above			same as above			
Semeste		t	me as above			same as above			
r			me as above			same as abov			
			me as above			same as abov			
		h	me as above			same as abov			
	2nd		me as above			same as abov			
	Quarter		me as above			same as abov			
		h	me as above			same as above			
			me as above			same as abov	ve		
			o final exam elf-directed lear	nina			udy for qualification exams (no		
				·····'9		lectures)			
			me as above			same as abov			
	3rd		ime as above			same as abov			
	Quarter		me as above			same as above			
2nd			ime as above			same as abov			
2nd Semeste			ime as above			same as abov			
r			ime as above			same as abov			
	-		ime as above			same as abov			
			ime as above			same as abov			
ı	4th		ime as above			same as abov			
I	Quarter		me as above			same as abov			
			me as above			same as abov			
		13th sa	ame as above			same as abov	ve		

	14th	same as above		same as above		
	15th	same as above		same as above		
	16th	No final exam				
Evaluation Me	thod and	Weight (%)				
		Examination	Other		Total	
Subtotal		0	100		100	
Basic Proficiency	asic Proficiency 0		100		100	
Specialized Profici	ecialized Proficiency 0		0		0	
Cross Area Profici	ency	0	0		0	

Д	Akashi College Year				2024			ourse Title	Overseas Training I			
Course	Informa	tion	•				•	•				
Course Co	ode	6321										
Class For	mat	Practical	trair	ning		Credits		School Cr	edit: 1			
Departme	ent	Electrica	l and	d Computer Er	ngineering	Student Grade		3rd				
Term		Year-rou	ınd			Classes per We	ek	1				
Textbook	and/or											
Teaching												
Instructor			ty of	the departme	ent							
	Objectiv											
(1) Can tl	hink of thir	aining are a ngs from va te through	ariou	s perspectives	s through a variet ng experiences ov	y of training exp erseas.	erienc	es abroad.				
Rubric												
			Ic	deal Level		Standard Level			Unacceptable Level			
Achievement 1			fr	an think of thi rom various pe nrough a varie xperiences ab	erspectives ety of training	Can think of thi perspectives th of training expe	rough	a variety	Cannot think of things through various perspectives through a variety of training experiences abroad.			
Achievem	ent 2		th	an communica nrough a varie xperiences ov	ety of training	Can communication variety of training overseas.			Cannot communicate through a variety of training experiences overseas.			
Assigne	d Depar	tment Ob	ojec	tives								
Teachin	g Metho	d										
Outline		commúr	The objectives of this course are to develop the ability to think things from various perspectives communicate through a variety of training experiences overseas. The training can be carried out summer vacation, etc. The number of days for the training must be more than five days.									
Style				ing and debrie								
Notice		Students students trainee.	s are s are inclu	required to keep required to a	eep in close conta	d communicate v ie.	with th	ne local ped	pervisor. During the training, ople and act appropriately as a			
Charact	eristics (vision in Lea				<u>g</u> g				
☑ Active		<u> </u>		Aided by IC		☑ Applicable to	Remo	ote Class	☐ Instructor Professionally Experienced			
						•						
Course	Plan											
			Ther	me			Goals					
		1st		-								
		2nd										
		3rd										
	1st	4th										
	Quarter	5th										
		6th										
		7th										
1st		8th										
Semeste		9th										
		10th										
		11th										
	2nd	12th										
	Quarter	13th										
		14th										
		15th										
		16th	No f	final exam								
		1st										
		2nd										
		3rd										
	3rd	4th										
	Quarter	5th 6th										
2nd Semeste	2nd											
r		7th										
		8th										
		9th										
	4th	10th										
	Quarter	11th										
		12th										

	13th				
	14th				
	15th				
	16th	No final exam			
Evaluation	Method and	d Weight (%)			
		Report	Presentation	Tota	
Subtotal		50	50	100	
Basic Proficiency		0	0	0	
Specialized Pr	oficiency	0	0	0	
Cross Area Pro	oficiency	50	50	100	

А	kashi Co	olleae	Year	2024		Course	Japanese Ⅲ-1		
	Informa			1		Title			
Course Co		6322			Course Category	/ General	/ Compulsory		
Class Forr		Lecture			Credits	School C	· · · · · · · · · · · · · · · · · · ·		
Departme			I and Computer E	- -naineerina	Student Grade	3rd	ileuit. Z		
Term	2110	First Sen	•	<u> </u>	Classes per Wee				
Textbook Teaching		Japanese College/0	e for Internationa Grauduate Stude	nts -kanji and voca	te Students -read aburally-, ALC / N	Acading essays-, ALC / Japanese for International / Natural Science Japanese for International n 12 Steps by Etsuko Tomomatsu, 3A Corporation			
Instructor	<u> </u>	KUBOTA	Ikumi						
Course	Objectiv	es							
their spec	cialized fiel eate detail	d by onesel ed texts on	f . a wide range of	riting structure to topics and explain you can use word	vour own perspe	ctive.	ing comprehension to read texts in and the situation.		
rasiic			Ideal Level		Standard Level		Unacceptable Level		
Achievem	ent 1			text to understand nd explain the ir own words.	Understand the reading the text the contents by in the text as the	, and explain using the word	Cannot read the text and can		
Achievem	ent 2		Can write text clear structure perspective or	s in a detailed and e. Can tell your n a topic.	If there are any can write texts i clear structure. a tell your perspec	hints or advice n a detailed an and also can	and clear structure. Cannot tell		
Achievem	Can communicate fluently and naturally on various topics. In addition, can use words parts, but can				There are some parts, but can confluently to some	ommunicate	Cannot communicate fluently and naturally on various topics. Cannot use words according to the other party and the situation.		
Assiane	d Depar	tment Ob	•		•		•		
	g Metho		<u>, </u>						
Outline Style Notice		purpose materials on highly The teac Students	of this class is to s, which is more y specialized topic ther will use texts who miss 1/4 o	comprehensively specialized. At the cs, focusing on the books and make ar more of classes v	improve students same time, we a practice of commond distribute the h	' Japanese pro im to be able t nunicating one nandout.	a wide range of topics. The ficiency through various reading o convey opinions and suggestions 's perspective to others.		
Charact	eristics	of Class /	Division in Le	earning	ı				
☑ Active	Learning		☐ Aided by I	СТ	☑ Applicable to	to Remote Class			
Course	Plan								
Course	l		Theme			Goals			
			Orientation				class objectives and content.		
			Cross-cultural ad	laptation	L	Understand the class objectives and content. Understand the experience of transitioning to a different culture. Can discover expressions unit to written language.			
		3rd	Cross-cultural ad	laptation	s	sentences and sparagraph. Car	with an awareness of the central supporting sentences of each share with others the thoughts feeling since starting KOSEN life.		
	1st Quarter	4th	Natural Science	Japanese 1	ā	bout chemistr			
	Quanto.	5th	Natural Science	Japanese 2	l	ise expressions	meaning of the words and how to related to chemistry.		
1st Semeste			Natural Science	Japanese 2	C	of the text.	what you learned from the content content of the text by comparing		
r		7th	Impulse-buying		į į	t with your ow	n experience.		
		8th	Reflection		(h J	Can explain nev now your mind lapanese abiliti	w things you found out in class, have changed, and how your es and skills have developed.		
		9th	Natural Science	Japanese 4	ι	ise expressions	meaning of the words and how to related to engineering.		
		10th	Natural Science :	Japanese 4	C	of the 9th weel			
	2nd Quarter	11th	Educational issue	<u>2</u> S	J	earn about top apanese schoo content.	oics that are problematic in ols and be able to understand the		
		12th	Food and Japane	ese	(Inderstand one Can discover or Inderstand the	omatopoeia that expresses texture. nomatopoeias used in daily life and ir meaning.		

		13th	Food and Japanese			Understand the sentenc Can use directive expres			
	14tl		Japanese society thro	ugh food		Can read columns on food and education issues, food and gender, understand the content, and share their own opinions on the topics within the group.			
		15th	Japanese society thro	ough food	ugh food opi		Can explain researched information and their own opinions trrough compareing some cases in their own countries.		
		16th	Final exam						
Evaluati	on Meth	od an	d Weight (%)						
			Examination	Assignments	Р	ortfolio	Total		
Subtotal		50		40	1	0	100		
Basic Profi	iciency	50		20	0		70		
Specialized	d Proficien	icy 0		0	0		0		
Cross Area	a Proficien	су	0	20	1	0	30		

Д	Akashi College		Year	2024		Course Title	Japanese Ⅲ-2	
Course	Informa	tion	<u>'</u>	1			·	
Course Co		6323			Course Categor	y General	/ Compulsory	
Class For	mat	Lecture			Credits	School C	Credit: 1	
Departme	ent	Electrica	al and Computer E	ngineering	Student Grade	3rd		
Term		- 	Semester		Classes per We			
Textbook Teaching		College/	/Grauduate Stude	nts -kanji and voca	iburally-, ALC / N	Natural Science	LC / Japanese for International Japanese for International uko Tomomatsu, 3A Corporation	
Instructo	r	KUBOTA	A Ikumi					
Course	Objectiv	'es						
their spec	cialized fiel eate detail	d by onese ed texts or	elf . n a wide range of	riting structure to i topics and explain you can use word	vour own perspe	ective.	ing comprehension to read texts in and the situation.	
Rubric								
			Ideal Level		Standard Level		Unacceptable Level	
Achievem	ent 1		Can read the t the content ar content in you	text to understand a explain the ir own words.	Understand the reading the text the contents by in the text as the	t, and explain using the word	Cannot read the text and can hardly explain the content.	
Achievem	ent 2		Can write text clear structure perspective or	s in a detailed and e. Can tell your n a topic.	If there are any can write texts clear structure. tell your perspe	in a detailed ar and also can	and clear structure. Cannot tell	
Achievem	ent 3		Can communicate fluently and naturally on various topics. In addition, can use words according to the other party and the situation.			e unnatural communicate e extent.	Cannot communicate fluently and naturally on various topics. Cannot use words according to the other party and the situation.	
Assigne	d Depar	tment O	bjectives					
	g Metho							
Outline Style Notice		purpose materia on high	e of this class is to ls, which is more ly specialized topi cher will use text	comprehensively is specialized. At the	mprove students same time, we a practice of common distribute the	s' Japanese pro aim to be able t municating one handout.	a wide range of topics. The ficiency through various reading o convey opinions and suggestions 's perspective to others.	
Charact	eristics		/ Division in Le				-	
☑ Active		01 01033 /	☐ Aided by I		☑ Applicable to	Remote Class	☐ Instructor Professionally Experienced	
Course	Dlan							
Course	Pian		Th		1	CI-		
			Theme			Goals	e relationship between changes in	
		1st	Changes in socie	ty		society and lab		
		2nd	Changes in socie	ty		Can research the share the informations.	ne labor issues facing your country, mation with others, and exchange	
		3rd	Natural Science	Japanese 6		angles and sea	contents of the text from various rch for related or developed ou are interested in.	
	3rd	4th	Natural Science	Japanese 6		Can explain the clearly while co week with othe	e characteristics of something mparing the contents of the 3th rs.	
7 m d	Quarter 5th Id		Idiom			Understand Japanese idioms and compare them with similar idioms in your language to discover the differences between the two languages.		
2nd Semeste r		6th	Proverb			proverbs are us	e meanings and situations in which sed frequently in daily life.	
		7th	Proverb			can create a sk learned from a	it that express the message proverb and express it physically.	
		8th	Reflection			Can explain ne	w things you found out in class, have changed, and how your es and skills have developed.	
		9th	Tap water			Understand tec	hnological developments and ness related to the topic.	
	4th	10th	Tap water			Can use effecti [,] expressing opir	ve grammatical expressions when nions.	
	Quarter	11th	Natural Science	Japanese 10		science.	neaning of the text about space	
		12th	Natural Science	Japanese 10		Can get the info articles on topic	ormation you need by reading cs covered in the text.	

		13th		Earthquakes and disas	ster prevention		Can explain what you th which occurred recentry should be careful about.	ought about earthquakes and what actions you	
	14th Language use and so			ocial change		Understand the background behind the creation of teen slangs and changes in people's values.			
		15th		Language use and soc	cial change		Can pick up a teen slangs you're interested in and share information. Can think about the background behind the birth of these words and changes in people's values.		
		16th		Final exam					
Evaluati	on Meth	od an	nd V	Veight (%)					
			Exar	mination	Assignments	Po	ortfolio	Total	
Subtotal			50		40	10	0	100	
Basic Prof	iciency		50		20	0		70	
Specialize	d Proficier	су	0		0	0	·	0	
Cross Area	a Proficien	су	0		20	10	0	30	

А	ıkashi Co	ollege	Year	2024			ourse Fitle	Japanese Practice II	
Course	Informa	tion							
Course Co	ode	6324			Course Category	У		Compulsory	
Class For		Lecture			Credits		School C	redit: 1	
Departme	ent		l and Computer E	ingineering	Student Grade	-1-	3rd		
Term Textbook Teaching		The tead	Semester ther will make an ークブック』(くる ressions for Effect	d distribute the ha ろしお出版)、The iive Communicatio	Classes per Wee ndout. (Teaching Way to Become n by Chikako Ogi	g mate an Adv	2 erials: 浜B /anced Sp	日麻里ほか著『大学生と留学生のため peaker of Japanese Techniques	
Instructor	r	KUBOTA	Ikumi						
	Objectiv								
2. Can re	rite logical view your	sentences Japanese a	on familiar topics bility and way of	, and speak in clea thinking by sharing	r structure and a g ideas and exch	approp anging	riate Japa opinions	nese. with your classmates.	
Rubric			Ideal Level		Standard Level			Unacceptable Level	
Achievem	ent 1		Can write sent	ences logically. lear structure and panese.	Can write sente If there is advar can speak in cle appropriate Japa	nce pre ar stru	eparation, icture and	Cannot write sentences logically.	
Achievem	nent 2		your classmate review your Ja ideas, but also	e in activities with es and not only panese and give comments the other person.	Can participate classmates and Japanese and id	review		Cannot participate much in	
Assigne	d Depar	tment Ob	jectives						
	g Metho								
Outline		The purp	oose of this class lication activities.	is to develop the J	apanese ability to	o write	and spea	ak logically through various	
Style		We will e	engage in various	communication acr	ctivities in a joint inking skills throu	class	with Japa e various	neseIV. We hope that the activities.	
Notice		Students	who miss 1/4 or	more of classes v	vill not be eligible	for ev	aluation.		
Charact	eristics	of Class /	Division in Le	arning					
☑ Active			☐ Aided by IC		☑ Applicable to	Remo	te Class	☐ Instructor Professionally Experienced	
Course	Dlan								
Course	riali		Theme		T _i	Goals			
		1st	Orientation				stand the	class objectives and content.	
		2nd	Sentence structu	re	l.	Unders		to compose a paper to make it	
		3rd	Sentence type		1	Understand the characteristics of each sent that states facts, opinions, and action.			
	3rd	4th	INTRODUCTION		1	Can read the paper and notice the structure the introduction and characteristic Japanese expressions.			
	Quarter	5th	INTRODUCTION		l l	Understand how to explain the paper and can write about a			
		6th	INTRODUCTION		(Can fir Can als probles	so show a	blem from a reading material. In plan of how to solve the	
		7th	BODY			Unders	stand the	difference between facts and ite them separately.	
		8th	BODY			•		s by using objective expressions.	
2nd		9th	BODY			Can wi	ite a bod	y of the paper.	
Semeste r		10th	BODY					inion logically.	
		11th	BODY		(good p	oints and	nces written by classmates, notice the points which need nd comment on them.	
		12th	CONCLUSION			Unders Can ac write t	stand how ld an eval he prospe	to write a summary of the paper luation to the paper, and also can ects for the future that can be the conclusion.	
	4th Quarter	13th	Present reasons	and arguments				n your daily life and summarize oposals for a more fulfilling life.	
		14th	Present reasons	and arguments	9	others, effectiv sugges	and also ely conve stions in g	•	
		15th	Present reasons a	esent reasons and arguments			suggestions in groups and summarize them. Can convey opinions and suggestions summarize through activities in the 13th and 14th weeks to others, and also can state your own ideas in response to the opinions and suggestions of others.		

		16th	Reflection			Can explain nev things that char Japanese abilitie	v things nged the es and sk	you found out in class, ir minds, and how your kills have developed.
Evaluati	ion Meth	od and	Weight (%)					
			esentation, Production ork	Submission of assignments	В	ehavior		Total
Subtotal		70)	10	2	0		100
Basic Prof	ficiency	20)	10	0			30
Specialize	ed Proficien	cy 20)	0	0			20
Cross Are	a Proficien	cy 30)	0	2	0		50

A	Akashi Co	ollege	Year	2024		Course Title	Electromagnetics I
Course	Informa	tion				1.0.0	
Course C		6325			Course Category	Specializ	ed / Compulsory
Class For	mat	Lecture			Credits		c Credit: 2
Departme	ent	Electrical	and Computer E	ngineering	Student Grade	3rd	
Term		Second S	Semester		Classes per Weel	k 2	
Textbook Teaching	and/or Materials			気学」森北出版 [レクトロニクスの]	ための電磁気学例題	演習」コロナ社	
Instructo		10	AI Masato				
PETER PROPERTY OF THE PROPERT	2 ガウス <i>の</i> 3 導体、認 4 静電容量 5 仮想変値	こおける電荷 D定理、ポア 秀電体、電束 量及び誘導係 立の法および	、電界、電位等を認 ソン方程式、電気双 密度を説明でき、電 数、容量係数を説明 電気影像法を説明でき、電流を3種類の	【極子を説明でき、 『東密度を計算でき 『でき、それらを計 『き、これらを用い	それらを用いて電界 る。 算できる。	を計算できる。	
Rubric							
			理想的な到達レ	ベルの目安	標準的な到達レベ	ルの目安	未到達レベルの目安
 評価項目1	_		静電界における! 等を説明でき、- ができる。	電荷、電界、電位 それらの応用計算	静電界における電視等を説明でき、それる。		静電界における電荷、電界、電位 等を説明できず、それらを計算で きない。
評価項目2	2		ガウスの定理、 電気双極子を説 を用いて電場の	ポアソン方程式、 明でき、各種法則 応用計算ができる	ガウスの定理、ポ 電気双極子を説明 を用いて電場の計算	でき、各種法則	ガウスの定理、ポアソン方程式、 電気双極子を説明できず、各種法 則を用いて電場の計算ができない 。
評価項目3	3		導体、誘電体、 き、電束密度の 。	電束密度を説明で 芯用計算ができる	導体、誘電体、電 き、電束密度の計算		導体、誘電体、電束密度を説明できず、電束密度の計算ができない。
評価項目4	ŀ		静電容量及び誘導を説明でき、それできる。	導係数、容量係数 1らの応用計算が	静電容量及び誘導を説明でき、それで る。	係数、容量係数 らの計算ができ	静電容量及び誘導係数、容量係数 を説明できず、それらの計算がで きない。
評価項目 5	5			よび電気影像法を らを用いた応用計	仮想変位の法およる 説明でき、これらっ できる。	び電気影像法を を用いた計算が	仮想変位の法および電気影像法を 説明できず、これらを用いた計算 ができない。
評価項目 6	5		電流の定義を説明 類の方法で応用	明でき、電流を3種 計算ができる。	電流の定義を説明 [*] 類の方法で計算で	でき、電流を3種 きる。	電流の定義を説明できず、電流を 3種類の方法で計算できない。
Assigne	ed Depar	tment Ob	jectives				
Teachir	ng Metho	od					
Outline		電気回路]のための	IIと並んで非常に重 課題が課せられる。	要で、電気電子分野	野の基礎である電気	磁気学のうち静	電気学に関する部分を学ぶ。予習復習
Style							ュニケーションを交えた自習をおこ ら学習するもので、試験範囲にも入
Notice		本科目は, 当する学		習時間と, 予習・1 日出される宿題は必	复習及び宿題作成に ず期限までに提出す	必要な標準的な ること。評価の	自己学習時間の総計が, 90時間に相 対象としない欠席条件(割合
Charact	teristics (of Class /	Division in Le	arning			
	Learning		☐ Aided by IC		☑ Applicable to □	Remote Class	☐ Instructor Professionally Experienced
Course	Plan						
			Theme		G	ioals	
		1st	電荷とクーロンの流	 !則と雷界			法則と電界の概念を理解し、電界を
			電気力線と電位		Ę	†算することがで 3気力線と電位の 2示すことができ	
		3rd	ガウスの法則の積分	予形と微分形	Į.	ヴウスの法則の積	: る。 貴分形の概念を理解し微分形を導出で D発散を計算できる。
	3rd Quarter	4th	ラプラス及びポアソ	ノンの方程式	オて	ペアソンの方程式 記述することだ	だとラプラスの方程式の概念を理解し ができる。導体に関連してガウスの法 うることができる。
		5th	確認テスト			50点以上を取る	
2nd Semeste		6th	電気双極子と電気ニ	重層		電気双極子にお に	ける電位の計算ができる。
r		7th	コンデンサと静電客				窓容量の性質について理解し、電荷、 E用いた計算ができるようになる。
		8th	分極現象と誘電率、	電束密度		で密度の概念を理	
			境界条件とコンデン	ノサの静電容量		と用いたコンデン	らける条件を知り、複数種類の誘電体 ンサの静電容量を計算できる。
	4th	H +	確認テスト			0点以上取るこ	
	Quarter	11th	静電エネルギー				の概念を理解し、計算できる。
		12th	仮想変位の考え方 			対想変位の考え方 ができる。	うを用いてコンデンサにおける力の計

		13th	鏡像法			鏡像法によって電荷度を計算できる。	前にかかる力と導体における電荷密	
		14th	電流			電流の基礎概念を理解する。		
		15th	確認テスト	 認テスト		60点以上を取るる	ことができる。	
		16th						
Evaluati	on Meth	od and V	Veight (%)					
			試験		平常点		Total	
Subtotal			50		50		100	
基礎的能力)		0		0		0	
専門的能力)		50		50		100	
分野横断的]能力		0		0		0	

Achievement 2 Can analyze various resonant circuits. Achievement 2 Can analyze various resonant circuits and can an direct and resonant circuits. Achievement 3 Understand reactance one-port circuits and can design the foster circuit. Assigned Department Objectives Teaching Method Outline Following Electric Circuits II in the second year, the aim of this course is to make sure students learn the basic ways of thinking as an electrical and electronics technician. The class will be carried out using sides and explaining the candidate understanding. Style The class will be carried out using sides and explaining the content of weeks and in the week when they do not, they will be given a report assignment to improve the understanding. Students should review after the weekly lessons, and ask questions during the next class. Also, they shove a lot of exercise problems. Students whould review after the weekly lessons, and ask questions during the next class. Also, they shove a lot of exercise problems. Students whould review after the weekly lessons, and ask questions during the next class. Also, they shove a lot of exercise problems. Students whould review after the weekly lessons, and ask questions during the next class. Also, they sholve a lot of exercise problems. Students whould review after the weekly lessons, and ask questions during the next class. Also, they sholve a lot of exercise problems. Students whould review after the weekly lessons, and ask questions during the next class. Also, they sholve a lot of exercise problems. Students whould review after the weekly lessons, and ask questions during the next class. Also, they should be also the problem of the problem of the problem exercise of the problem of the p	Д	Akashi Co	ollege		Year	2024		Course Title	Circuit Theory A
Course Code Class Format Lecture Credits Credits Class Format Lecture Credits Credits Chase Format Class Format Lecture Credits Chepartment Clectrical and Computer Engineering Student Grade 3rd Classes per Wook 2 Although textbooks are not used, it is recommended to bring a reference book on electric circuits. In an antardis will be distributed as necessary. Instructor Instructor Instructor Instructor Instructor Instructor Instructor Individual Activation Instructor Individual Computer Engineering Although textbooks are not used, it is recommended to bring a reference book on electric circuits. In an antardis will be distributed as necessary. Instructor Instructor Instructor Instructor Individual Computer Instructor Individual Computer Instructor Individual Computer Instructor Individual Computer Instructor Individual Computer Instructor Individual Computer Individual Compu	Course	Informa	tion						
Department Electrical and Computer Engineering Student Grade 3rd							Course Category	/ Special	ized / Compulsory
Term First Semester Classes per Week 2	Class For	mat	Lecture				Credits	School	Credit: 1
Textbook and/or accepting textbooks are not used, it is recommended to bring a reference book on electric circuits. In an accepting the property of the proper	Departme	ent	Electrica	al and	l Computer Er	ngineering	Student Grade	3rd	
Teaching Materials will be distributed as necessary. Instructor HOSOKAWA Astushin Junderstand and can use various theorems related to circuit analysis to analyze AC circuits. Junderstand and can use various theorems related to circuit analysis to analyze them. Junderstand reactance one-port circuits and can design the Foster circuit and cauer circuit. Rubric Ideal Level Unacceptable Level Understand and can use various theorems related to circuit analysis to analyze various analysis prelieted for circuit. Achievement 1 Understand and can use various theorems related to circuit analysis to analyze various analysis of analyze various analysis consults and can analyze various analysis consults and can analyze them. Achievement 2 Can analyze various resonant circuits and can disciple them. Achievement 3 Understand reactance one-port circuits and can disciple them. Achievement 3 Understand reactance one-port circuits and can disciple them. Achievement 5 Individual them to the second year, the aim of this course is to make sure students thorous make sure students learn the basic ways of thinking as an electrical and electronics technician. The class will be carried out using sides and explaining the content. Students will one carried out using sides and explaining the content. Students will not be eligible for a grade evaluation. Style Students should review after the weekly lessons, and ask questions during the next class. Also, they should a lot of exercise problems. Students who miss 1/4 or more of classes will not be eligible for a grade evaluation. Characteristics of Class / Division in Learning Aided by ICT In Applicable to Remote Class Interactor Professional Experienced Understand the content of weeks 1 and 6 first semester, and can analyze AC circuits and can understand reactand in the content of weeks 1 and 6 first semester, and can analyze AC circuits serious related to circuit suring the vector no first semester, and can analyze AC circuits suring the formation o	Term		First Sei	meste	er		Classes per Wee	ek 2	
Course Objectives			materia	ls will	l be distribute	t used, it is recom d as necessary.	nmended to bring	a reference l	book on electric circuits. In addition,
1) Understand and can use various theorems related to circuit. 2) Understand resconant circuits and mutual inductance circuits and can analyze (arcuits.) 3) Understand resconant circuits and can design the Foster circuit and Cauer circuit. Rubric	Instructo	r	HOSOKA	AWA .	Atsuishi				
2) Understand reactance one-port circuits and act and esign the Foster circuit and Cauer circuit. Rubric I Ideal Level	Course	Objectiv	'es						
Achievement 1 Ideal Level Understand and can use various and can use various analysis to analyze various Achievement 1 Can analyze various Achievement 2 Can analyze various Achievement 2 Can analyze various Achievement 2 Can analyze various Achievement 3 Can analyze various Achievement 3 Understand recording and the properties of circuits and mutual inductance circuits. Achievement 3 Understand reactance one-port circuits and can design the Following Electric Circuits and can design the Foster circuit and Cauer circuit. Assigned Department Objectives Teaching Method Following Electric Circuits II in the second year, the aim of this course is to make sure students thorough sectures and problem exercises. The course is also intending make sure students learn the basic ways of thinking as an electrical and electronics technician make sure students learn the basic ways of thinking as an electrical and electronics technician make sure students learn the basic ways of thinking as an electrical and electronics technician understanding in the week when they do not, they will be given a report assignment to improve the understanding in the week when they do not, they will be given a report assignment to improve the understanding in the properties of the pr	2) Unders	stand reso	nant circuit	ts and	d mutual indu	ctance circuits and	d can analyze the	em.	
Achievement 1 Understand and can use various theorems related to circuit analysis to analyze various AC circuits. Can analyze various resonant circuits and mutual inductance circuits. Achievement 2 Can analyze various resonant circuits. Can analyze various resonant circuits. Achievement 3 Understand reactance one-port circuits and can design the Foster circuit and Cauer circuit. Achievement 3 Understand reactance one-port circuits and can design the Foster circuit and Cauer circuit. Assigned Department Objectives Teaching Method Outline Following Electric Circuits II in the second year, the aim of this course is to make sure students therough lectures and problem exercises. The course is also intending as an electrical and electronic stehnician. The class will be carried out using slides and explaining the content. Students will do exercise problems. Students should review after the weekly lessons, and ask questions during the next class. Also, they sh solva a lot of exercise problems. Students should review after the weekly lessons, and ask questions during the next class. Also, they sh solva a lot of exercise problems. Students who miss 1/4 or more of classes will not be eligible for a grade evaluation. Characteristics of Class / Division in Learning Active Learning Ist Ac circuits Theme Goals Can analyze ACs circuit using the vector no can analyze ACs circuit using the vector no can analyze account using the loop analysis nodal analysis. 3rd Phasor diagrams Theme Goals Can analyze ACs circuit using the vector of can analyze account the content of weeks 1 to 3 of first semester, and can analyze AC circuits. Semester The problem exercise The problem exercise The problem exercise The problem exercise The problem exercise The problem exercise The problem exercise The problem exercise The problem exercise The problem exercise The problem exercise The problem exercise The problem exercise and analyze various AC circuits. Understand the content of weeks 1 to 3 of first seme	Rubric								
Achievement 1 theorems related to circuit snalysis to analyze various AC circuits analysis to analyze various AC circuits. Can analyze various resonant circuits and mutual inductance circuits. Achievement 2 Can analyze various resonant circuits and mutual inductance circuits and mutual inductance circuits and mutual inductance circuits and can design the circuits and can design date and can design date and can design date and can design the foster circuit and can design the foster circuit and can design the foster circuit and Cauer circuit. Assigned Department Objectives Teaching Method Outline Following Electric Circuits II in the second year, the aim of this course is to make sure students thorough lectures and problem exercises. The course is also intending make sure students learn the basic ways of thinking as an electrical and electronics technician. The class will be carried out using sides and explaining the content. Students will be exercise every to three classes, and in the week when they do not, they will be given a report assignment to improve the understanding. Students should review after the weekly lessons, and ask questions during the next class. Also, they sholve a lot of exercise problems. Students who miss 1/4 or more of classes will not be eligible for a grade evaluation. Characteristics of Class / Division in Learning Active Learning Theme Goals Students who miss 1/4 or more of classes will not be eligible for a grade evaluation. Course Plan Theme Goals 1st AC circuits Can analyze ACs circuit using the vector not experienced The problem exercise The state of the problem exercise in the problems in the problem exercise in the problem exercise in the problems in the problem exercise in the problem exercise in the problem exercise in the problem exercise in the problem exercise in the problem exercise in the problem exercise in the problem exercise in the problem exercise in the problem exercise in the problem exercise in the problem exercise in the problem exercise in th				Id	deal Level		Standard Level		Unacceptable Level
Achievement 2 circuits and mutual inductance circuits. Achievement 3 Understand reactance one-port circuits and can design the Foster circuit and Cauer circuit. Assigned Department Objectives Teaching Method Outline Following Electric Circuits II in the second year, the aim of this course is to make sure students learn the basic ways of thinking as an electrical and electronics technician. Style The class will be carried out using slides and explaining the content. Students should review after the weekly lessons, and ask questions during the next class. Also, they should review after the weekly lessons, and ask questions during the next class. Also, they should review after the weekly lessons, and ask questions during the next class. Also, they should review after the weekly lessons, and ask questions during the next class. Also, they should review after the weekly lessons, and ask questions during the next class. Also, they should review after the weekly lessons, and ask questions during the next class. Also, they should review after the weekly lessons, and ask questions during the next class. Also, they should review after the weekly lessons, and ask questions during the next class. Also, they should review after the weekly lessons, and ask questions during the next class. Also, they should review after the weekly lessons, and ask questions during the next class. Also, they should review after the weekly lessons, and ask questions during the next class. Also, they should review after the weekly lessons, and an analyze according to the previous after the weekly lessons, and ask questions during the next class. Also, they should review after the weekly lessons, and ask questions during the next class. Also, they should review after the weekly lessons, and ask questions during the next class. Also, they should review after the weekly lessons, and ask questions during the next class. Also, they should review after the weekly lessons, and ashould review after the weekly lessons, and ashiet and the content of	Achievem	nent 1		th	neorems relate nalysis to anal	ed to circuit	theorems relate	d to circuit	theorems related to circuit
Achievement 3 circuits and can design the Foster circuit and Cauer circuit. Foster circuit and Cauer circuit. Foster circuit and Cauer circuit. Foster circuit and Cauer circuit. Foster circuit and Cauer circuit. Foster circuit and Cauer circuit. Foster circuit and Cauer circuit. Foster circuit and Cauer circuit. Foster circuit and Cauer circuits. Cauer circuits and problems. Foster circuits and problems and problems and problems and problems and problems and problems and problems. Foster circuits and problems and problems and problems and problems. Foster circuits and problems and problems and problems and problems. Foster circuits and problems and problems and problems and problems. Foster circuits and problems and problems. Foster circuits and problems and problems. Foster circuits and problems. Foster circuits and problems. Foster circuits and problems. Foster circuits and problems. Foster circuits and pro	Achievem	nent 2		ciı	rcuits and mu	rious resonant itual inductance	and mutual indu	ictance circuit	
Teaching Method Outline Following Electric Circuits II in the second year, the aim of this course is to make sure students thorough lectures and problem exercises. The course is also intend master the basics of electrical circuits through lectures and problem exercises. The course is also intend master the basics of electrical circuits through lectures and problem exercises. The course is also intend master the basics of electrical circuits through lectures and problem exercises. The course is also intend master the basics ways of thinking as an electrical and electronics technician. The class will be carried out using sildes and explaining the content. Students will do exercises every by three classes, and in the week when they do not, they will be given a report assignment to improve the understanding. Students should review after the weekly lessons, and ask questions during the next class. Also, they should not also lot of exercise problems. Students should review after the weekly lessons, and ask questions during the next class. Also, they should not be eligible for a grade evaluation. Characteristics of Class / Division in Learning Active Learning	Achievem	nent 3		cii	rcuits and can	n design the	circuits and can	design the	Do not understand reactance
Outline	Assigne	ed Depar	tment Ol	bject	tives				
Outline	Teachin	ng Metho	od						
Style The class will be carried out using slides and explaining the content. Students will do exercises every twe three classes, and in the week when they do not, they will be given a report assignment to improve the understanding. Students should review after the weekly lessons, and ask questions during the next class. Also, they sho slowed a lot of exercise problems. Students who miss 1/4 or more of classes will not be eligible for a grade evaluation. Characteristics of Class / Division in Learning Active Learning Aided by ICT Applicable to Remote Class Instructor Professional Experienced Course Plan Theme Goals San AC circuits Can analyze ACs circuit using the vector not can analyze according an analyze according any sign and individual analysis. 3rd Phasor diagrams Can draw phasor diagrams for impedance admittance. 4th Problem exercise The Superposition theorem, Millman's theorem, Can use the superposition theorem, Millman's theorem to analyze circuits. The venin's theorem and Norton's theorem to analyze circuits. The venin's theorem and Norton's theorem to analyze circuits. The venin's theorem and Norton's theorem to analyze circuits. The venin's theorem and Norton's theorem to analyze circuits. The venin's theorem and Norton's theorem to analyze circuits. The venin's theorem and Norton's theorem to analyze circuits. The venin's theorem and Norton's theorem to analyze circuits. The venin's theorem and Norton's theorem to analyze circuits. The venin's theorem and Norton's theorem to analyze circuits. The venin's theorem and Norton's theorem to analyze circuits. The venin's theorem and Norton's theorem to analyze circuits. The venin's theorem and Norton's theorem to analyze circuits. The vening the vector north of weeks 1 to 7 of first semester, and can analyze according to the vening the vening the vening the vening the vening the vening the vening the vening the vening the vening the vening the vening the vening the vening the vening the vening the vening the vening the venin			Followin master	the b	asics of electr	ical circuits throug	gh lectures and p	roblem exerci	ises. The course is also intended to
Students should review after the weekly lessons, and ask questions during the next class. Also, they shoulve a lot of exercise problems. Characteristics of Class / Division in Learning Active Learning Aided by ICT Applicable to Remote Class Instructor Professional Experienced Course Plan Theme Goals Can analyze Acs circuit using the vector not Can analyze circuits using the loop analysis nodal analysis. 3rd Phasor diagrams Ath Problem exercise Superposition theorem, Millman's theorem, Can use the superposition theorem, Millman's theorem, Can use the superposition theorem, Millman's theorem Can use the five superposition theorem, Millman's theorem Can use the Thévenin's theorem and Norto theorem to analyze circuits. The Problem exercise Reverienced Ath Problem exercise Superposition theorem, Millman's theorem, Can use the superposition theorem, Millman's theorem, Can use the Thévenin's theorem and Norto theorem to analyze circuits. The Problem exercise Reverienced Can use the Thévenin's theorem and Norton's theorem Can use the Thévenin's theorem and Norto theorem to analyze circuits. Understand the content of weeks 5 and 6 of first semester, and can analyze AC circuits various theorems. The Resonant circuits Understand the content of weeks 1 to 7 of first semester, and can analyze various AC circuits. Understand the content of weeks 1 to 7 of first semester, and can analyze various AC circuits. Understand the content of open analyze and 10 first semester, and can analyze various AC circuits. Understand the coupling of circuits using miductance and mutual inductance circuits. Understand the coupling of circuits using miductance and mutual inductance circuits. Understand the content of weeks 9 and 10 first semester, and can analyze resonant circuits. Understand the content of weeks 9 and 10 first semester, and can analyze resonant circuits.	Style		three cla	asses	s, and in the w	ut using slides and veek when they do	l explaining the control not, they will be	content. Stude e given a repo	ents will do exercises every two or ort assignment to improve their
Course Plan Theme Goals Ist AC circuits Can analyze ACs circuit using the vector no analyzes. Ist Quarter Sth Superposition theorem, Millman's theorem, Can use the superposition theorem, etc. to ar circuits. Semester They Ac Superposition theorem and Norton's theorem They Ac Circuits Can use the Superposition theorem, Millman's theorem Can use the Free manalyze circuits. They Ac Circuits Can analyze ACs circuit using the vector no Can analyze icrcuits using the loop analysis nodal analysis. They Ac Circuits Can draw phasor diagrams for impedance a admittance. Understand the content of weeks 1 to 3 of first semester, and can analyze AC circuits draw phasor diagrams. Can use the superposition theorem, Millman's theorem, Can use the superposition theorem, etc. to ar circuits. They are a content of weeks 5 and 6 of first semester, and can analyze AC circuits wingout theorems. Understand the content of weeks 5 and 6 of first semester, and can analyze various AC circuits. Understand the content of weeks 1 to 7 of first semester, and can analyze various AC circuits. Understand the content of weeks 1 to 7 of first semester, and can analyze various AC circuits. Understand the content of weeks 1 to 7 of first semester, and can analyze various AC circuits. Understand the content of weeks 9 and 10 understand the content of weeks 9 and 10 understand the content of weeks 9 and 10 understand the content of weeks 9 and 10 first semester, and can analyze resonant circuits.	Notice		solve a	lot of	exercise prob	olems.		_	•
Active Learning	Charact	eristics							
Theme Goals Ist AC circuits Can analyze ACs circuit using the vector no Can analyze circuits using the loop analysis and nodal analysis Ist AC before a content of weeks 1 to 3 of first semester, and can analyze AC circuits. Ist Semester The Action analyze AC circuits using the loop analysis and nodal analysis. Ist Quarter Ist Quarter Ist AC circuits Ist AC circuits Ist AC circuits Ist AC circuits Independent of Action analyze AC circuits and phasor diagrams for impedance and admittance. Understand the content of weeks 1 to 3 of first semester, and can analyze AC circuits draw phasor diagrams. Can use the superposition theorem, Millman's theorem, compensation theorem, etc. to an circuits. Independent of Action analyze AC circuits and the content of weeks 5 and 6 or first semester, and can analyze AC circuits various theorems. Understand the content of weeks 1 to 7 of first semester, and can analyze various AC circuits. Independent of Action analyze AC circuits and parallel resonant circuits. Independent of Action analyze AC circuits using minductance and mutual inductance circuits. Understand the coupling of circuits using minductance and mutual inductance circuits. Independent of Action analyze recreases analyse reconstruction and parallel resonant circuits. Independent of Action analyze action analyze reconstruction analyse reconstruction and parallel resonant circuits. Independent of Action analyze action analyze reconstruction analyze reconstruction and parallel resonant circuits. Independent of Action analyze action analyze reconstruction analyze reconstruc						•	☑ Applicable to	Remote Class	☐ Instructor Professionally Experienced
Theme Goals 1st AC circuits 2nd Loop analysis and nodal analysis 3rd Phasor diagrams 4th Problem exercise 5th Superposition theorem, Millman's theorem, compensation theorem, etc. to ar circuits. 6th Thévenin's theorem and Norton's theorem 7th Problem exercise 9th Midterm exam 1st Semeste 1st Semeste 1st Outled Action of the Resonant circuits 1st Semeste 1st Outled Action of the Resonant circuits of the Resonant circuits		DI							
1st	Course	Plan		1			1.		
2nd Loop analysis and nodal analysis 2nd Loop analysis and nodal analysis 3rd Phasor diagrams Can draw phasor diagrams for impedance a admittance. 4th Problem exercise Understand the content of weeks 1 to 3 of first semester, and can analyze AC circuits draw phasor diagrams. Superposition theorem, Millman's theorem, Can use the superposition theorem, Millman theorem, compensation theorem, Millman's theorem to analyze circuits. 6th Thévenin's theorem and Norton's theorem Thévenin's theorem and Norton's theorem to analyze circuits. 7th Problem exercise Winderstand the content of weeks 5 and 6 of first semester, and can analyze AC circuits various theorems. Winderstand the content of weeks 1 to 7 of first semester, and can analyze various AC circuits. 9th Resonant circuits Understand the resonance phenomena and and parallel resonant circuits. Understand the coupling of circuits using minductance and mutual inductance circuits. Understand the coupling of circuits using minductance and mutual inductance circuits. Understand the coupling of circuits using minductance and mutual inductance circuits. Understand the coupling of circuits using minductance and mutual inductance circuits. Understand the content of weeks 9 and 10 first semester, and can analyze resonant circuits.				1					
Phasor diagrams Ath Problem exercise Superposition theorem, Millman's theorem, compensation theorem and Norton's theorem Can use the superposition theorem, etc. to an circuits. Thévenin's theorem and Norton's theorem Theorem to analyze AC circuits. The Problem exercise The Probl									
1st Quarter 1st Semester			-		<u>, </u>	nodal analysis		nodal análysis	<u>. </u>
1st Quarter 1st Quarter 1st Quarter 5th			3rd	Phas	or diagrams		i	admittance.	
Quarter Sth Superposition theorem Superposition Super			4th	Prob	olem exercise		f	îrst semester, draw phasor d	, and can analyze AC circuits and liagrams.
1st Semeste r The Problem exercise			5th	Supe	erposition theopensation the	orem, Millman's th orem	teorem,	heorem, com	
1st Semeste r 7th Problem exercise Understand the content of weeks 5 and 6 or first semester, and can analyze AC circuits various theorems. 8th Midterm exam Understand the content of weeks 1 to 7 or first semester, and can analyze various AC circuits. 9th Resonant circuits Understand the resonance phenomena and and parallel resonant circuits. 10th Mutual inductance circuits Understand the coupling of circuits using minductance and mutual inductance circuits. 2nd Understand the content of weeks 9 and 10 first semester, and can analyze resonant circuits.			6th	Thév	venin's theore	m and Norton's th			
8th Midterm exam Understand the content of weeks 1 to 7 of first semester, and can analyze various AC circuits. 9th Resonant circuits Understand the resonance phenomena and and parallel resonant circuits. 10th Mutual inductance circuits Understand the coupling of circuits using minductance and mutual inductance circuits. 2nd Understand the content of weeks 9 and 10 first semester, and can analyze resonant circuits.	Semeste		7th	Prob	olem exercise		l f	Jnderstand th	e content of weeks 5 and 6 of the , and can analyze AC circuits using
9th Resonant circuits 10th Mutual inductance circuits 2nd Overtor 11th Problem exercise Understand the resonance phenomena and and parallel resonant circuits. Understand the coupling of circuits using minductance and mutual inductance circuits. Understand the content of weeks 9 and 10 first semester, and can analyze resonant circuits.	1		8th	Midt	erm exam		l f	irst semester,	
2nd 11th Problem exercise inductance and mutual inductance circuits. Understand the content of weeks 9 and 10 first semester, and can analyze resonant ci			9th	Resc	onant circuits		l	Jnderstand thand parallel re	e resonance phenomena and series sonant circuits.
2110 11th Problem exercise first semester, and can analyze resonant ci			10th	Mutu	ual inductance	e circuits	ı	Jnderstand th	e coupling of circuits using mutual
and mutual inductance circuits.		2nd Quarter	11th	Prob	olem exercise		f	irst semester,	, and can analyze resonant circuits
12th Reactance one-port circuits Understand reactance one-port circuits con of inductance and capacitance.			1.2th	Poar	ctanco ono-no		lı	Jnderstand re	actance one-port circuits composed
13th Foster circuits Can design a Foster circuit composed of rescircuits.			1201	ixeac	——————————————————————————————————————	ort circuits		of inductance	and capacitance.

	14th	Cauer circuits		Can design a Calcircuits.	uer circuit composed of ladder
	15th	Problem exercise			content of weeks 12 to 14 of the nd can analyze reactance circuits.
	16th	Final exam		first semester, a	content of weeks 9 and 15 of the nd can analyze resonant circuits, ce circuits, and reactance one-
Evaluation N	Method and	d Weight (%)			
		Examination	Exercise and	Гask	Total
Subtotal		70	30		100
Basic Proficience	су	0	0	·	0
Specialized Pro	ficiency	70	70 30		100
Cross Area Pro	ficiency	О	0		0

Д	Akashi Co	ollege	Year	2024		Course Title	Circuit Theory B	
Course	Informa	tion						
Course Co	ode	6327			Course Categor	y Specia	alized / Compulsory	
Class Forr	mat	Lecture			Credits	Schoo	l Credit: 1	
Departme	ent	Electrical a	nd Computer E	ngineering	Student Grade	3rd		
Term		Second Se	mester		Classes per We	ek 2		
Textbook Teaching	Matérials							
Instructor		SUYAMA T	aikei					
	Objectiv							
2) Unders	stand the I	Bartlett's bise	for a four-termiction theorem a ters and variou	nal network. Ind bridge T circui s constant K filter	its and can find t s and can find th	hem. nem.		
Rubric								
			Ideal Level		Standard Level		Unacceptable Level	
Achievem	nent 1		Can calculate t for a four-term	he parameters iinal network.	Can use the pa four-terminal n	rameters for etwork.	a four-terminal network.	
Achievem	nent 2		Understand the bisection theor circuits and car	em and bridge T	bisection theore	Understand the Bartlett's bisection theorem and bridge T circuits and can use them.		
Achievem	nent 3		Understand the filters and varie	ous constant K	Understand the filters and vario	ous constant l	Do not understand the definition of filters and various constant K filters.	
Accions	d Doss.	tmont Ohio	filters and can	uesign them.	filters and can	use mem.	CONSTANT & HILLERS.	
		tment Obje	ectives					
Teachin	ng Metho		-1	· · · ·				
Outline		master the make sure	basics of elect students learn	rical circuits throu	igh lectures and i thinking as an e	problem exer electrical and	to make sure students thoroughly cises. The course is also intended to electronics technician. The first	
Style		the first se they will be In the seco	mester, studen e given a report and semester, t	ts will do exercise assignment to in here will be two p	es every two or the nprove their unde problem exercises	hree classes, erstanding. s on the class	oard and explaining the content. In and in the week when they do not, content of the first half of the nt of the lessons.	
Notice		Students s solve a lot	hould review af	ter the weekly les	ssons, and ask qu	uestions durir	g the next class. Also, they should	
Charact	eristics	•	ivision in Le				-	
☐ Active		J. J. W. J. J. J. J. J. J. J. J. J. J. J. J. J.	☐ Aided by IC	<u> </u>	☑ Applicable to	o Remote Cla	ss Instructor Professionally Experienced	
Course	Plan							
		Th	neme			Goals		
		1st im		four-terminal net neters, and admit			he definition of a four-terminal I find the impedance parameters and arameters.	
			ur-terminal cor	nstants			ur-terminal constant.	
				d G parameters			H parameters and G parameters.	
			nadow paramet	•			shadow parameters.	
	3rd Quarter		•	ons of a four-term	inal network	Can find vari	ous connections of a four-terminal	
		6th Ba	sic four-termin	al circuits and bri	dge T circuits	Understand by T circuits and	pasic four-terminal circuits and bridge drain find them.	
		7th Pr	oblem exercise			Understand t	he content of weeks 1 to 6, and can terminal network parameters	
2nd		8th Ba	rtlett's bisectio	n theorem			he Bartlett's bisection theorem and	
Semeste r		9th Re	eactance four-te	erminal networks		Understand t	he reactance four-terminal networks.	
		10th De	efinition of filter	s and constant K	filters		he definition of filters and constant k n design them.	
1								
		11th Co	onstant K low p	ass filters		Understand a filters.	and can design constant K low pass	
	4th		·	ass filters pass filters and SP	OTECE	filters.	and can design constant K high pass	
	4th Quarter	12th Co	·	pass filters and SP	OTECE	filters. Understand a filters and SP	and can design constant K high pass	
		12th Co	onstant K high p	pass filters and SP	PIECE	filters. Understand a filters and SF Understand a filters. Understand t analyze/design	and can design constant K high pass FIECE.	
		12th Co 13th Co 14th Pr	onstant K high p	pass filters and SP	PIECE	filters. Understand a filters and SF Understand a filters. Understand t analyze/design	and can design constant K high pass PIECE. and can design constant K band pass the content of weeks 9 to 14, and can gn the Bartlett's bisection theorem,	

Evaluation Method and Wei	ght (%)	
	Examination (prophase) 100%	Total
Subtotal	100	100
Basic Proficiency	20	20
Specialized Proficiency	80	80
Cross Area Proficiency	0	0

Д	Akashi College			Year	2024		_		Introduction to Engineering	o Electrical
Course	Informa	ation				1				
Course Co	ode	6328				Course Categor	γ	Specialize	ed / Compulsory	
Class For	mat	Lecture				Credits		Academic	Credit: 2	
Departme	ent	Electrica	al and	Computer Er	ngineering	Student Grade		3rd		
Term		First Se	meste	r		Classes per We	ek	2		
Textbook Teaching										
Instructo	r	HIROTA	Atsus	shi						
Course	Objectiv	/es								
2) Unders	stand the	outline of p	ower o	al and electro generation to conversion cir	nic circuits through power consump cuits	gh review tion				
Rubric						T				
				eal Level		Standard Level			Unacceptable Le	
Achievem	nent 1		of	n fully ensure electrical and cuits through		Can ensure und electrical and e through review	lectror	nding of nic circuits	electrical and el through review.	
Achievem	nent 2		gei	lly understan neration to p nsumption ou	ower [·]	Can understand generation to p consumption of	ower	oower	Do not understageneration to po consumption ou	ower .
Achievement 3 Fully understand the basics of power conversion circuits. Can understand the basics of power conversion circuits. Do not understand power conversion circuits.										
Assigne	d Depa	rtment O	bjecti	ives						
Teachin	ig Metho	od								
Outline		The cou	ırse wi . Expla	ill review the anations and	electrical subject introductions of r	s learned so far elated fields ma	and gi y be n	ve introdu nade as ne	ction for future pr cessary.	ofessional
Style		The clas	sses w	rill mainly be	conducted as lect	ures.				
Notice		submitt course's self-student	ed. Mass contends the contends of the contends	akeup exams ent will amou e required fo miss 1/3 or	, etc. may be helo int to 90 hours of ir pre-study / revi more of classes v	d for students wi study in total. T ew. and complet	ith out hese l ting as	standing e nours inclu ssianments	l assignments are ifforts on a daily b de class hours, ar s.	asis. This
Charact	eristics	of Class ,	/ Divi	ision in Lea	arning				T	
☐ Active	Learning			Aided by IC	Т	☑ Applicable to	o Rem	ote Class	☐ Instructor Pi Experienced	rofessionally
Course	Plan									
			Them	ne			Goals			
		1st	DC ci	rcuits (1)			Can s	olve basic	practice questions	of a DC circuit.
		2nd	DC ci	rcuits (2)			Can s	olve practi	ce questions of a	DC circuit.
		3rd	DC ci	rcuits (3)			Can solve practice questions of a DC circuit usin directed method.			
	1st	4th	AC ci	rcuits (1)			Can s circuit		practice questions	on an AC
	Quarter	5th	AC ci	rcuits (2)			Can s	olve practi	ce questions on a	n AC circuit.
		6th	AC ci	rcuits (3)			Under	stand thre	e-phase interaction	on.
		7th	Resor	nant circuits			Under	stand resc	nance phenomen	a.
1-+		8th	Revie	ew				stand the	contents of the fir ses	st half through
1st Semeste		9th	Electr	rical equipme	ent (1)		Under	stand the	basics of transfor	mers.
r		10th	Electr	rical equipme	ent (2)		Under synch	stand the ronizer.	basics of inducers	and
		11th	Semi	conductor de	vices		Under semic	stand the onductor s	basic characterist witch elements.	ics of
	2nd	12th	Powe	er conversion	circuits (1)		Under	stand the	basic power conv	ersion circuitry.
	Quarter	13th	Powe	er conversion	circuits (2)			stand the	characteristics of	basic power
		14th	Electr	ric Power			Under		basics of substation	ons and the
		15th	Sumr	mary				ummarize	and organize wha	t they have
		16th	Final	exam			.cai iic			
Evaluat	ion Met	hod and \								
		camination	Exe	ercise,	Mutual Evaluations between	Efforts	Porti	folio	Other	Total
Cubtatal	100	.	40		students	20	0			100
Subtotal	40)	40	1	0	20	0		0	100

Basic Proficiency	0	0	0	0	0	0	0
Specialized Proficiency	40	40	0	20	0	0	100
Cross Area Proficiency	0	0	0	0	0	0	0

A	kashi Co	ollege	Year	2024		Course Title	Introduction to Computer Engineering
Course	Informa	tion					
Course Co	ode	6329			Course Category	Specializ	ed / Compulsory
Class Forr	mat	Lecture			Credits	Academi	c Credit: 2
Departme	ent	Electrical	and Computer E	Engineering	Student Grade	3rd	
Term		Second S	emester		Classes per Weel	k 2	
Textbook Teaching							
Instructor	r	TSUCHID	A Takayuki				
Course	Objectiv	es					
technolog 2) Unders	jies and ca stand threa	n put them	into practice. ncounter in engi				erstand basic and standard ion society and the
Rubric							
			Ideal Level		Standard Level		Unacceptable Level
Achievem	nent 1		hierarchy, and and standard	and the concept of d practice basic techniques communication	Understand the chierarchy, and pand standard techniques the connetworks.	ractice basic hniques	Cannot understand the concept of hierarchy, and practice basic and standard techniques regarding the communication networks.
Achievem	nent 2			and the concept of s, fully understand rocessing nd practice it.	Understand the odigital images, unimage processing and practice it.	nderstand bas	Cannot understand the concept of digital images, cannot understand basic image processing technology, and practice it.
<u>Assigne</u>	d Depar	tment Ob	jectives				
Teachin	ig Metho	od					
Outline		among va The lectu	arious fields of ir res will be condi	nformation enginee	ering. who engaged in t	he research a	ons in information engineering nd development of middleware years.
Style			· · · · · · · · · · · · · · · · · · ·	ecture style. Exerci			
Notice		on active	ly. This course's ranteed in classe	the basics of advances content will amoust estandarces and the standarces more of classes were more of classes were more of classes were more of classes were more of classes were more of classes were more of classes were more of classes were more of classes were more of classes were more of classes were more of classes were more of classes were more of classes were more of classes were more of the content of	nt to 90 hours of : I self-study time r	study in total. equired for pr	therefore students must work it These hours include the learning e-study / review. grade.
Charact	eristics	of Class /	Division in Le	earning			
☑ Active	Learning	·	☑ Aided by I	СТ	☑ Applicable to	Remote Class	☑ Instructor Professionally Experienced
	-						
Course	Plan						
		1	Γheme				
					_	ioals	
		1st F		Internet history, OS I and TCP/IP	CT Pagie		OSI Basic Reference Model.
	2nd Network Interface Layer (Data L		Class guidance, I Reference Model	l and TCP/IP	SI Basic C	an explain the	OSI Basic Reference Model. Network Interface Layer (Data
		2nd N	Class guidance, I Reference Model Network Interfac	l and TCP/IP	SI Basic C C), and LAN C L	an explain the an explain the ink), and LAN	
	3rd	2nd N	Class guidance, I Reference Model Network Interfac	l and TCP/IP	SI Basic C C), and LAN C L L/v6 C II	an explain the an explain the ink), and LAN an explain the Pv4/v6	Network Interface Layer (Data Internet Layer (Network), and
	3rd Quarter	2nd N 3rd I 4th L	Class guidance, I Reference Model Network Interfac Internet Layer (N _3 Routing	l and TCP/IP ce Layer (Data Link Network), and IPv4	SI Basic C C), and LAN C L I/v6 C	an explain the ink), and LAN and LAN and LAN and LAN and the Pv4/v6 an explain the	Network Interface Layer (Data Internet Layer (Network), and L3 Routing
		2nd N 3rd I 4th L 5th L	Class guidance, I Reference Model Network Interfac Internet Layer (N _3 Routing _4 Transport Lay	I and TCP/IP ce Layer (Data Link Network), and IPv4 yer, and TCP/UDP	SI Basic C C), and LAN C L L/v6 C C C	an explain the ink), and LAN and LAN and LAN and LAN and Explain the Pv4/v6 an explain the an explain the	Network Interface Layer (Data Internet Layer (Network), and L3 Routing L4 Transport Layer, and TCP/UDP
		2nd N 3rd I 4th L 5th L 6th L	Class guidance, I Reference Model Network Interfac Internet Layer (N _3 Routing _4 Transport Lay _7 Application La	I and TCP/IP ce Layer (Data Link Network), and IPv4 yer, and TCP/UDP ayer ne midterm exam, i	SI Basic C C), and LAN C L/v6 II C C C C C C C C C C C C	an explain the ink), and LAN and LAN and LAN and LAN and Ev4/v6 an explain the an explain the an explain the an explain the an explain the an explain the an explain the an explain the	Network Interface Layer (Data Internet Layer (Network), and L3 Routing
2nd		2nd N 3rd I 4th L 5th L 6th L	Class guidance, I Reference Model Network Interfact Internet Layer (N _3 Routing _4 Transport Lay _7 Application Lat Explanation of the	I and TCP/IP ce Layer (Data Link Network), and IPv4 yer, and TCP/UDP ayer ne midterm exam, i	SI Basic C C), and LAN C L/v6 C C C C C C C C C C C C C	an explain the ink), and LAN and EAN explain the explain the an explain the an explain the ian explain the ian explain the ian explain the ian explain the ian explain the ian explain the ecurity.	Network Interface Layer (Data Internet Layer (Network), and L3 Routing L4 Transport Layer, and TCP/UDP L7 Application Layer concept of information security.
2nd Semeste r		2nd N 3rd I 4th L 5th L 6th L 7th E 8th N	Class guidance, I Reference Model Network Interfact Internet Layer (N _3 Routing _4 Transport Lay _7 Application La Explanation of th	I and TCP/IP ce Layer (Data Link Network), and IPv4 yer, and TCP/UDP ayer ne midterm exam, i	SI Basic C), and LAN C L C), and LAN C C C C C C C C C C C C C C C C C C C	an explain the ink), and LAN and explain the explain the an explain the an explain the an explain the an explain the an explain the an explain the an explain the ecurity.	Network Interface Layer (Data Internet Layer (Network), and L3 Routing L4 Transport Layer, and TCP/UDP L7 Application Layer concept of information security. major threats to information
		2nd N 3rd I 4th L 5th L 6th L 7th E 8th N 9th C	Class guidance, I Reference Model Network Interfact Internet Layer (N _3 Routing _4 Transport Lay _7 Application Lat Explanation of the Security(concept Midterm exam.	I and TCP/IP ce Layer (Data Link Network), and IPv4 yer, and TCP/UDP ayer ne midterm exam, i :)	SI Basic C C), and LAN C L L/v6 C C C C C C C C C C C C C	an explain the ink), and LAN an explain the explain the explain the explain the explain the explain the explain the explain the explain the explain the explain the explain the explain the explain the explain the explain the explain the explain the explain explain the explain the explain the explain the explain the explain the explain the explain dig pplications using the explain dig pplications using the explain dig explai	Network Interface Layer (Data Internet Layer (Network), and L3 Routing L4 Transport Layer, and TCP/UDP L7 Application Layer concept of information security. major threats to information
		2nd N 3rd I 4th L 5th L 6th L 7th E 8th N 9th C	Class guidance, I Reference Model Network Interfact Internet Layer (N _3 Routing _4 Transport Lay _7 Application Lat Explanation of the Security (concept Midterm exam. Cryptography (2	I and TCP/IP ce Layer (Data Link Network), and IPv4 yer, and TCP/UDP ayer ne midterm exam, i	SI Basic C C), and LAN C L L/v6 C C C C C C C C C C C C C	an explain the ink), and LAN in explain the explain the explain the in explain the in explain the in explain the in explain the in explain the explain	Network Interface Layer (Data Internet Layer (Network), and L3 Routing L4 Transport Layer, and TCP/UDP L7 Application Layer concept of information security. major threats to information history of cryptography and ital signatures, PKI, SSL, etc. as ng cryptography and hash
		2nd N 3rd I 4th L 5th L 6th L 7th E 8th N 9th C 10th C	Class guidance, I Reference Model Network Interfact Internet Layer (National Layer Application Layer) Explanation of the Security (concept) Midterm exam. Cryptography (1) Cryptography (2) Deep learning(1)	I and TCP/IP ce Layer (Data Link Network), and IPv4 yer, and TCP/UDP ayer ne midterm exam, i)	SI Basic C C), and LAN C L L/v6 C C C C C C C C C C C C C	an explain the ink), and LAN and EAN and EAN and EAN and EAN and explain the an explain the an explain the an explain the an explain the an explain the an explain the accurity. Idderm exam. In the an explain the an explain the accurity. Idderm exam. In the an explain the accurity and explain the accurity and explain the accurity and explain the accurity and explain the accurity and explain the accuracy and explain the accuracy and explain the accuracy and explain the interest can explain the accuracy and explain the accuracy and explain the interest can explain the accuracy and explain the interest can explain t	Network Interface Layer (Data Internet Layer (Network), and L3 Routing L4 Transport Layer, and TCP/UDP L7 Application Layer concept of information security. major threats to information history of cryptography and ital signatures, PKI, SSL, etc. as ng cryptography and hash basic concept of deep learning.
	Quarter	2nd N 3rd I 4th L 5th L 6th L 7th E 8th N 9th C 10th C 11th E 12th E	Class guidance, I Reference Model Network Interfact Internet Layer (N _3 Routing _4 Transport Lay _7 Application Lat Explanation of the Security (concept Midterm exam. Cryptography (2	l and TCP/IP ce Layer (Data Link Network), and IPv4 yer, and TCP/UDP ayer ne midterm exam, i)	SI Basic C), and LAN C L C C C C C C C C C C C C C C C C C C	an explain the ink), and LAN and EAN and EAN and EAN and EAN and EAN and explain the an explain the an explain the an explain the an explain the an explain the area explain the area explain the area explain the area explain digpolications usinctions.	Network Interface Layer (Data Internet Layer (Network), and L3 Routing L4 Transport Layer, and TCP/UDP L7 Application Layer concept of information security. major threats to information history of cryptography and ital signatures, PKI, SSL, etc. as ng cryptography and hash basic concept of deep learning. concept of deep learning. plementing deep learning through
	Quarter 4th	2nd N 3rd I 4th L 5th L 6th L 7th E 8th N 9th C 10th C 11th I 12th I 13th I	Class guidance, Reference Model Network Interfact Internet Layer (National Layer) A Transport Layer Application Layer Explanation of the Security (concept) Midterm exam. Cryptography (1) Cryptography (2) Deep learning (1) Deep learning (2)	I and TCP/IP ce Layer (Data Link Network), and IPv4 yer, and TCP/UDP ayer ne midterm exam, i) 2)	SI Basic C C), and LAN C L L/v6 C C C C C C C C C C C C C	an explain the ink), and LAN and EAN AND EAN EAST EAST EAST EAST EAST EAST EAST EAST	Network Interface Layer (Data Internet Layer (Network), and L3 Routing L4 Transport Layer, and TCP/UDP L7 Application Layer concept of information security. major threats to information history of cryptography and ital signatures, PKI, SSL, etc. as ng cryptography and hash basic concept of deep learning. concept of deep learning. plementing deep learning through
	Quarter 4th	2nd	Class guidance, Reference Model Network Interfact Internet Layer (National Section 1988) A Transport Layer A Transport Layer A Application Lateral Explanation of the Security (concept Midterm exam. Cryptography (1) Cryptography (2) Deep learning (1) Deep learning (2) Deep learning (3)	I and TCP/IP ce Layer (Data Link Network), and IPv4 yer, and TCP/UDP ayer ne midterm exam, i 2) 2) 3) (1)	SI Basic C C), and LAN C L L/v6 C C C C C C C C C C C C C	an explain the ink), and LAN and EAN and EAN and EAN and EAN an explain the an explain the an explain the an explain the an explain the an explain the an explain the area explain the area explain the area explain digpolications usinctions. In explain the an explain the area explain the area explain the area explain the earn about imperse of samplain explain the e	R Network Interface Layer (Data Internet Layer (Network), and L3 Routing L4 Transport Layer, and TCP/UDP L7 Application Layer concept of information security. major threats to information history of cryptography and ital signatures, PKI, SSL, etc. as ng cryptography and hash basic concept of deep learning. concept of deep learning. plementing deep learning throughole codes
	Quarter 4th	2nd N 3rd I 4th L 5th L 6th L 7th E 8th N 9th C 10th C 11th E 12th E 13th I 14th N	Class guidance, I Reference Model Network Interfact Internet Layer (National Layer) A Transport Layer Application of the Security (concept) Midterm exam. Cryptography (1) Cryptography (2) Deep learning(1) Deep learning(2) Deep learning(3) Machine learning	I and TCP/IP ce Layer (Data Link Network), and IPv4 yer, and TCP/UDP ayer ne midterm exam, i 2) 2) 3) (1)	SI Basic C), and LAN C L C C C C C C C C C C C C C C C C C C	an explain the ink), and LAN and EAN and EAN and EAN and EAN an explain the an explain the an explain the an explain the an explain the an explain the an explain the area explain the area explain the area explain digpolications usinctions. In explain the an explain the area explain the area explain the area explain the earn about imperse of samplain explain the e	R Network Interface Layer (Data Internet Layer (Network), and L3 Routing L4 Transport Layer, and TCP/UDP L7 Application Layer concept of information security. major threats to information history of cryptography and ital signatures, PKI, SSL, etc. as ng cryptography and hash basic concept of deep learning. concept of deep learning. plementing deep learning through ble codes basic concept of machine

	Examination	Little test	Mutual Evaluations between students	Behavior	Portfolio	Other	Total
Subtotal	80	0	0	0	20	0	100
Basic Proficiency	0	0	0	0	0	0	0
Specialized Proficiency	80	0	0	0	20	0	100
Cross Area Proficiency	0	0	0	0	0	0	0

Akashi College		Year	ar 2024		_	ourse Title	Digital Circuits A			
Course	Informa	tion								
Course Co	ode	6330			Course Categor	ry	Specialize	d / Compulsory		
Class Forr	mat	Lecture			Credits	School Credit: 1				
Departme	ent	Electrical ar	nd Computer E	ngineering	Student Grade					
Term		First Semes	ster		Classes per Week 2					
Textbook Teaching	and/or Materials	Keitaro Hor	i: 「Zukai Ronri	kairo Nyuumon] ,	Morikita-Shupp	oan				
Instructor	r	HOSOKAWA	A Atsuishi							
Course	Objectiv	es								
1(2) Under	rstand com	basic matters bination circu ic of sequentia	of logic circuits its. Il circuits.	5.						
Rubric			Ideal Level		Standard Level			Unacceptable Level		
			Fully understar	nd the basic	Understand the		matters of	Do not understand the basic		
Achievem			matters of logi		logic circuits. Understand cor			matters of logic circuits. Do not understand combination		
Achievem			circuits. Fully understar		circuits. Understand bas	sic of s	equential	circuits. Do not understand basic of		
Acciono		tment Obje	sequential circu	uits.	circuits.			sequential circuits.		
	<u> </u>		CUVES							
reachin	g Metho						1 1			
Outline		flip-flop circ	cuits, counter c	o understand the i ircuits, etc., based priate circuits on t	on the Boolear	n algeb	ra. Classes	principles of arithmetic circuits, also involve exercises so that		
Style		students w	II work on exer	cture style, mainly cises and design a first semester, an	ssignments.		_	the textbook. As necessary, a is the liaison.		
Notice		Students ar	re required to le		nanner so they ond study its ope	can de	sign circuit	s themselves. If possible, they		
Charact	eristics (ivision in Le		m not be engibe	<u>c 101 u</u>	grade eva	dation		
□ Active			☐ Aided by IC		☑ Applicable to a point of the point of	o Remo	ote Class	☐ Instructor Professionally Experienced		
		ļ.								
Course	Plan	I				I				
			eme nary numbers	and Basics for radi	x conversions			ry numbers and Basics for radix		
				and Basics for Lo	gical	Can ex	rsions. xplain radix operations	conversions and Basics for		
			erations gical operations	and Venn diagrar	ms	Can ex	xplain logic	al operations and Venn		
	1st		sics for the Boo	-		diagra		pasics of Boolean algebra.		
	Quarter			ns and the Karnau	gh map	Can ex		al expressions and the Karnaugh		
		6th Ka	rnaugh map ex	rercises	map. Can simplify a		mplify a log	ogical expression using the		
			ine-McCluskey			Karnaugh map. Can explain the Quine–McCluskey algorithm				
1st		H	sics of logic cire			•	the basics of logic circuit design.			
Semeste			dterm exam	care acsign			m exam	asies of logic circuit design.		
'			asics of gate cir	cuits				pasics of gate circuits.		
			sics of gate cir				•	pasics of digital ICs.		
		1.2+b C0		uits 1 (e.g. how to	design an	Can e	Can explain combination circuits (e.g. how to esign an adder circuit).			
	2nd	12th C0		uits 2 (e.g. how to	design a data	Can	explain con	nbination circuits (e.g. how to nverter circuit).		
	Quarter	14th Co		uits 3 (e.g. how to	design a data	Can ex	xplain coml	pination circuits (e.g. how to ector circuit).		
		F 15th pri	lip-flops 1 (e.g. nciples and cha	basic of FFs, oper eracteristic equation	rating on of RS-FF	Can e	explain flip- ples and ch	flops (e.g. basic of FFs, operating aracteristic equation of RS-FF		
	and JK-FF) 16th Final exam					and Jk).			
Evaluati	ion Mati					<u> </u>				
Evaluati	ion Meth	od and We		7	F			T-4-1		
C. I. I. I.			Examination 70		Exercise and Task Total					
Subtotal Basis Brof	ficione		70 0		30 100					
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Cross Area Proficiency 0 0 0

Akashi College		Year	2024		Course Title		Digital Circuits B		
Course	Informa	tion	I	1				<u> </u>	
Course Co		6331			Course Categor	rv S	Specializa	ed / Compulsory	
Class For	mat	Lecture			Credits		School C		
Departme	ent	Electrical a	nd Computer Engineering		Student Grade	3	Brd		
Term		Second Se			Classes per Week 2				
Textbook Teaching	and/or Materials	堀桂太郎:	「図解論理回路入	門」森北出版		•			
Instructo	r	OHMUKAI	Masato						
Course	Objectiv	es es							
設計ができ	フロップ回記 きる。AD変	各の動作を理解 換回路とDA変	し、それを用いた 奥回路の原理と特	:各種回路の動作に 徴を理解できる。	ついてタイミング 	チャート	を用いて	確認することができる。順序回路の	
Rubric			T田+日かたいないます。		無みなりもとなります	•» II		ナ型生しいよの日内	
			理想的な到達レイスは、プロールで		標準的な到達レク			未到達レベルの目安	
評価項目1			プリップフロック 分に理解できる	プ回路の動作を十	フリップフロッ? 解できる	ノ凹路の	助作で理	フリップフロップ回路の動作を理 解できない	
評価項目2	<u>.</u>			を十分に理解でき	順序回路の概念	を理解で	きる	順序回路の概念を理解できない	
評価項目3	3			O変換回路の各種 を十分理解できる	DA変換回路とAI 類の原理と特徴を			DA変換回路とAD変換回路の各種 類の原理と特徴を理解できない	
Assigne	ed Depar	tment Obje	ectives						
Teachir	ng Metho	od							
Outline		論理回路の 身に着ける。 路とAD変	知識を基礎とし、 。さらに、ロジッ 換回路の各種を紹		ソプ回路を解説しアルチバイブレータ	、これと タの回路、	ロジックシュミッ	を用いて順序回路を設計する手法を ソト回路の動作を解説し、DA変換回	
Style		講義形式に	より重要な概念の	解説を行い、より流	深く理解するため	に、周囲	とのコミ	ュニケーションを交えた自習をおこ	
				い理解度チェックを					
Notice		-		:(割合) >1/3以上 ·	•				
Charact	eristics	of Class / L	ivision in Le	arning	<u> </u>				
☑ Active	Learning		☐ Aided by ICT ☐ Applicable to			to Remote Class			
								Experienced	
Course	Plan								
Course	I	Tr	neme			Goals			
		+	論理素子(ロジック)の基礎				ミシックの)動作を理解する	
								D設計ができ、RSFFとJKFFの動作と	
		2nd 組	Bみ合わせ回路の設計法とRSFF、JKFF			種類を理	解する		
		3rd N	ANDで構成したD	FFの動作		で動作を	記述でき		
	3rd	4th シジ	フトレジスタとし ョンソンカウンタ	リングカウンタ、TF ァ	Fと分周回路、	JKFFの特性表を書くことができ、TFF、シフトレジスタ、分周回路、ジョンソンカウンタのタイミングチャートで動作を記述できる。			
	Quarter	5th 確	認テスト			60点以上を取得する。			
		6th FF	の補足事項と機能			励起表を書くことによりあるFFを別のFFで構成する回 路を設計することができる。			
		7th 非	同期式カウンタと	に同期式カウンタ		TFFを用 作原理を	いて非同 理解し、	期式カウンタと同期式カウンタの動 カウンタの設計できる。	
2nd Semeste r		8th 順	序回路の設計法			順序回路の概念を理解し、状態遷移図と状態遷移表を 作り、順序回路が設計できるようになる。			
ļ.		9th 順	序回路の設計法の	実例		順序回路の設計を重ねて、順序回路が設計できるよう になる。			
		10th 確	 認テスト			60点以上を取得する。			
		11th -		定マルチバイブレ・ シータ	ータの動作と双			イブレータの動作が理解できる。	
	4th		 安定マルチバイン	ブレータとシュミッ	ト回路の動作原	 単安定マルチバイブレータとシュミット回路の動作が 理解できる。			
	Quarter		アンプの基礎、 <u>i</u> A変換回路	重み抵抗型DA変換回		2種類のDA変換回路についてその回路を判別することができ、その動作を理解する。			
		14th AI 較	- 文字目出 D変換回路の各種-並列比較型、逐次比較型、追従比型、2重積分型の原理と特徴			4種類のAD変換回路の原理と特徴を説明できる。			
		15th 確	認テスト			60点以上を取得する。			
		16th							
Evaluat	ion Meth	nod and We	eight (%)						
			試験		平常点	Total			
Subtotal			50		50			100	
基礎的能力	 5		0		0			0	
専門的能力			50		50			100	
分野横断的			0		0			0	
ノノエゾ内凹口	ררחטר		•		ı <u> </u>				

Textbook and/or feaching Materials For each experiment theme, materials will be distributed in print and explained. Instructor SUYAMA Taikei, HOSOKAWA Atsuishi, HIROTA Atsushi, Instructor SUYAMA Taikei, HOSOKAWA Atsuishi, HIROTA Atsushi, I Can conduct experiments using experimental equipment. I Can conquote experiments using experiments and analyze them so they can be understood from an engineering perspective. I Can corquize the results of experiments and submit them on time. Rubric Ideal Level Standard Level Unacceptable Level Achievement 1 Can carry out experiments Can carry out experiments Can carry out experiments. Can carry out experim	Akashi College		Year 2024		Course Title	Experiments of Electrical and Computer Engineering II A				
Case Service Case	Course	Informa	tion							
Department Electrical and Computer Engineering Student Grade 3rd	Course Co	ode	6332			Course Category	Specializ	zed / Compulsory		
Term First Semester	Class For	mat	Experiment			Credits	School C	Credit: 2		
Textbook and/or lackning Martin (Course Objectives) 1) Can conduct experiment suring experiments and submit them on time. 2) Can organize the results of experimental equipment. 2) Can organize the results of experiments and submit them on time. Rubric Ideal Level	Departme	ent	Electrical ar	nd Computer E	ingineering	Student Grade	3rd			
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Quarter Sth Report organization Can write up reports based on experimental data.		1 ct	H		-	Can measure t				
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7th Report organization Can write up reports based on experimental data. 8th Series resonance Can measure the voltage of each element of the RLC series and experimentally examine resonance phenomena. 9th Report organization Can write up reports based on experimental data. 10th Digital Oscilloscopes and Waveform Processing Series deployment calculations using a digital oscilloscope. 11th Report organization Can write up reports based on experimental data. 2nd Quarter Phototransistor Can understand the properties of phototransistors. 12th Phototransistor Can write up reports based on experimental data. 14th Resport organization Can write up reports based on experimental data. 14th Raspberry Pi Can use the Raspberry Pi for a project. 15th Organizing and organizing experiments All reports from the previous quarter can be submitted together. 16th No final exam None										
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15th Organizing and organizing experiments All reports from the previous quarter can be submitted together. None					OII			•		
16th No final exam None				·	rganizing experim	onts A	II reports from	n the previous quarter can be		
			16th No	final exam				C. C. C.		
	Evaluat	ion Moth				[10				

	Examination	Report	Mutual Evaluations between students	Behavior	Portfolio	Other	Total
Subtotal	0	80	0	20	0	0	100
Basic Proficiency	0	0	0	0	0	0	0
Specialized Proficiency	0	80	0	20	0	0	100
Cross Area Proficiency	0	0	0	0	0	0	0

Akashi College		Year	Year 2024		Cou		Experiments of Electrical and Computer Engineering II B		
Course	Informa	tion							
Course Co	ode	6333			Course Categor	y Sp	oecializ	ed / Compulsory	
Class For	mat	Experimer	nt		Credits	Sc	School Credit: 2		
Departme	ent	Electrical a	and Computer E	ngineering	Student Grade	e 3rd			
Term		Second Se	emester		Classes per Wee	ek 4			
Textbook Teaching	and/or Materials								
Instructo			aikei,HIROTA A	itsushi,					
Course	Objectiv	es							
2) Can or	ganize the	results of ex	ng experimental operiments and operiments and	l equipment. analyze them so t submit them on ti	hey can be under me.	rstood fro	om an	engineering perspective.	
Rubric			I		lo: 1 11 1			I	
			Ideal Level		Standard Level			Unacceptable Level	
Achievem	ent 1		Can carry out efficiently and	experiments accurately.	Can carry out ex	xperimer	nts.	Cannot carry out experiments.	
Achievem	ent 2		Can organize t results and an depth.	the experimental alyze them in	Can organize ar experimental re	nd analyz sults.	ze	Cannot organize and analyze experimental results.	
Achievem	ent 3		Can write up of experimental resubmit them of	reports and	Can write up ex reports and sub time.	periment mit them	tal n on	Cannot write up experimental reports and submit them on time.	
Assigne	d Depar	tment Obj	ectives						
Teachin	g Metho	od							
Outline		the ability equipment experimer 13 and 14	to learn activel t correctly and o stal themes with of the second	y through experimorganizing the labon Suyama, Hirota, semester will be co	nents. Students and oratory. Several f and Enomoto in tonducted by a fac	re expect aculty m the secor	ted to dembers nd sem when we want to demonstrate t	ation engineering experiments and develop a habit of using the s will be in charge of multiple nester. The experiments for weeks who engaged in the research and ment Headquarters for five years.	
Style		Students v organize a	will split into gro and analyze the	oups of 4 or 5 peo obtained data. Als	ple, and each gro so, they will write	up will p up repo	erform rts and	experiments on each theme, and receive individual guidance.	
Notice		If all repor must clear during the passing gr	n the lab and pu first week of th	en received by the ut away the equiprone first and second	due date, studer ment properly. Pr I semesters. Stud	nts will no recaution lents who	ot rece s regar o fail to	vive a passing grade. Students rding the experiments will be given by submit reports will not receive a	
Charact	eristics	of Class / [Division in Le	earning					
☐ Active	Learning		☑ Aided by IC	T -	☑ Applicable to	Remote	Class	☐ Instructor Professionally Experienced	
Carriage	Dlass								
Course	Plan		h a ma a		1.	Capla			
			heme			Goals Can unde	orctand	I the outline and precautions for	
		1st E	xperiment guida	ance		second s	emeste	er experiments.	
		2nd C	haracteristics of	f FETs				ne basic characteristics of FETs.	
		3rd D	ynamic charact	eristics of FETs		Can measure the dynamic characteristics of a FET amplifier circuit.			
	3rd	4th R	eport organizat	ion		Can write up reports based on experimental data by the due date.			
	Quarter	5th C	haracteristics of	f natural energy go	eneration (Can experimentally examine current voltage and output characteristics of natural energy generation .			
		6th R	eport organizat	ion	(Can write	e up re	ports based on experimental data.	
		7th N	o load test of a	direct current elec		Can test current e		loaded characteristics of a direct	
2nd Semeste		8th R	eport organizat	ion				ports based on experimental data.	
r				nerator load test	(Can exar	nine th	le load characteristics of a direct	
						current g	•		
			eport organizat				-	ports based on experimental data.	
		11th B	asic characteris	tics of an operatio	nal amplifier	Can examine the frequency characteristics of an inverted amplifier using an oscilloscope.			
	4th	12th R	eport organizat	ion				ports based on experimental data.	
	Quarter	13th T	he efficiency of	sorting algorithms	, (1)	algorithm	ns.	ne efficiency of the sorting	
				the sorting algorit	111115 (2)	algorithm	Can examine the efficiency of the sorting algorithms.		
			•	mary and Organiz		Can submit all reports all together at once.			
<u> </u>			o final exam			None			
Evaluat	<u>ıon Meth</u>	od and We	eight (%)						

	Examination	Report	Mutual Evaluations between students	Behavior	Portfolio	Other	Total
Subtotal	0	80	0	20	0	0	100
Basic Proficiency	0	0	0	0	0	0	0
Specialized Proficiency	0	80	0	20	0	0	100
Cross Area Proficiency	0	0	0	0	0	0	0