Ak	ash	i College		Mecha	anical I	Ingineering Year	Year 2023			
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 Y 1st 2nd 1st 2nd 1st 2nd 1st 1st 1 2 3 4 1 2 3 4 1 2 Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q	2nd 1st 2nd 1st 2nd	Instru ctor	Divisio n in Learni ng	
Ge ne ral	Co m pu lso ry	Japanese I-1	5101	School Credit	1	2		TANG E Atsuko		
Ge ne ral	Co m pu so ry	Japanese I-2	5102	School Credit	1	2		TANG E Atsuko		
Ge ne ral	Compus y	History-1	5103	School Credit	1	2		ARAK AWA Hirono ri		
Ge ne ral	Co m pu so ry	History-2	5104	School Credit	1	2		ARAK AWA Hirono ri		
Ge ne ral	Compusory	Mathematics I A-1	5105	School Credit	2	4		TAKAT A Isao		
Ge ne ral	Ce pus y	Mathematics I A-2	5106	School Credit	2	4		TAKAT A Isao		
Ge ne ral	공 종 명 명 의	Mathematics I B-1	5107	School Credit	1	2		OMOD A Yasuhi ro		
Ge ne ral		Mathematics I B-2	5108	School Credit	1	2		OMOD A Yasuhi ro		
Ge ne ral	Compusory	Science I -1	5109	School Credit	1	2		TAKEU CHI Masah iro		
Ge ne ral	Co m pu so ry	Science I -2	5110	School Credit	1	2		TAKEU CHI Masah iro		
Ge ne ral	Compusory	Physical Education I-1	5111	School Credit	1	2		GOTO H Takay uki,KO BAYAS HI Yuki		
Ge ne ral	Co m pu so ry	Physical Education I-2	5112	School Credit	1	2		GOTO H Takay uki,IS HIDA Masa mi		
Ge ne ral	Co m pu lso ry	English I A-1	5113	School Credit	1	2		AKIMO TO Hiromi		
Ge ne ral	Co m pu	English I A-2	5114	School Credit	1	2		AKIMO TO Hiromi		

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Ge ne ral	Co m pu lso ry	English I B-1	5115	School Credit	1	2	KITAG AWA Chiho
Ge ne ral	Compus 2	English I B-2	5116	School Credit	1		KITAG AWA Chiho
ne	Co m pu lso ry	Introduction to Active Learning	5117	School Credit	1	2	TAKED A Naho, HIRAN O Masat sugu, MIZU NO Yuki
Ge ne ral	Co m pu so ry	Introduction to Data Science	5118	School Credit	1	2	TSUC HIDA Takay uki,NO MURA Hayat o
Ge ne ral	(오 한 명 S	Exercise in Data Science	5119	School Credit	1		TSUC HIDA Takay uki,NO MURA Hayat o,ENO MOTO Ryuji
Ge ne ral	El ec tiv e	Music-1	5120	School Credit	1	2	IZUMI Yuka
Ge ne ral	El ec tiv e	Music-2	5121	School Credit	1	2	IZUMI Yuka
Ge ne ral	El ec tiv e	Art-1	5122	School Credit	1	2	OHNO Ryohei
Ge ne ral	El ec tiv e	Art-2	5123	School Credit	1		OHNO Ryohei
Ge ne ral	Composition S	Japanese I -1	5124	School Credit	3	6	KUBO TA Ikumi
Ge ne ral	Со	Japanese I -2	5125	School Credit	2		KUBO TA Ikumi
Ge ne ral	Co	Japanese Culture and Society	5126	School Credit	1	2	KUBO TA Ikumi
ali		Literacy for Disaster Risk Reduction	5127	School Credit	1		MOTO ZUKA Tomok i,YEGA NE GHEZ ELLOO
ali ze	m pu	Introduction to Information Processing	5128	School Credit	1	2	TANA KA Seiichi
Sp eci ali ze	Co m pu iso ry	Design and Drawing I A	5129	School Credit	1	2	SHI Fengh ui

Sp eci ali ze d	Co m pu lso ry	Design and Drawing I B	5130	School Credit	1		SHI Fengh ui
Sp eci ali ze d	Co	Manufacturing Engineering Practice I A	5131	School Credit	1	2	KATO H Takahi ro,OH MORI Shiget oshi
Sp eci ali ze d	рu	Manufacturing Engineering Practice I B	5132	School Credit	1		KATO H Takahi ro,OH MORI Shiget oshi
Sp eci ali ze d	Co m pu lso ry	Practice on Mechanical Engineering I A	5133	School Credit	1	2	MORIS HITA Tomo hiro
Sp eci ali ze d	Co m pu Iso ry	Practice on Mechanical Engineering I B	5134	School Credit	1		KATO H Takahi ro,OH MORI Shiget oshi
Sp eci ali ze d	Co m pu lso ry	Fundamentals of Engineering	5135	School Credit	1		KUBO TA Ikumi
Ge ne ral	Co m pu lso ry	Japanese II-1	6201	School Credit	1		TANG E Atsuko
Ge ne ral	Co m pu lso ry	Japanese II-2	6202	School Credit	1		TANG E Atsuko
Ge ne ral	Co m pu lso ry	Introduction to Global Studies	6203	School Credit	1		
Ge ne ral	Co m pu lso ry	Public	6204	School Credit	1		
Ge ne ral	Co m pu lso ry	Mathematics II A-1	6205	School Credit	2		MATS UMIYA Atusi,
ne	Co m pu lso ry	Mathematics II A-2	6206	School Credit	2		MATS UMIYA Atusi, OMOD A Yasuhi ro
Ge ne ral	Co m pu lso ry	Mathematics II B-1	6207	School Credit	1		TAKAT A Isao
ne	Co m pu lso ry	Mathematics II B-2	6208	School Credit	1		TAKAT A Isao
Ge ne ral	Co m pu lso ry	Science II A-1	6209	School Credit	1		TAKEU CHI Masah iro
Ge ne ral	Co m pu lso ry	Science II A-2	6210	School Credit	1		TAKEU CHI Masah iro,

	C-		1			
Ge ne ral	Co m pu lso ry	Science II B-1	6211	School Credit	1	SAKU RAI Yasuhi ro
Ge ne ral	Co m pu lso ry	Science II B-2	6212	School Credit	1	SAKU RAI Yasuhi ro
Ge ne ral	Co m pu lso ry	Physical Education II- 1	6213	School Credit	1	GOTO H Takay uki,MA EDA Tadan ori
Ge ne ral	Co m pu Iso ry	Physical Education II- 2	6214	School Credit	1	GOTO H Takay uki,MA EDA Tadan ori
Ge ne ral	Co m pu lso ry	English II A-1	6215	School Credit	1	HERBE RT John C.
Ge ne ral	Co m	English II A-2	6216	School Credit	1	INOUE Hideto shi
Ge ne ral	Co m pu lso ry	English II B-1	6217	School Credit	1	KITAG AWA Chiho
Ge ne ral	Co m pu lso ry	English II B-2	6218	School Credit	1	KITAG AWA Chiho
Ge ne ral	Co m pu lso ry	Co+work I A	6219	School Credit	1	All faculty
Ge ne ral	Со	Co+work I B	6220	School Credit	1	All faculty
Ge ne ral	El ec tiv e	ICT Qualification I	6221	School Credit	1	TAKEU CHI Masah iro
Ge ne ral	El ec tiv e	Mathematics Certification I	6222	School Credit	1	OMOD A Yasuhi ro
Ge ne ral	Co m pu lso ry	Japanese II-1	6223	School Credit	2	KUBO TA Ikumi
Ge ne ral	Co m pu lso ry	Japanese II-2	6224	School Credit	1	KUBO TA Ikumi
Ge ne ral	Co m pu lso ry	Japanese Practice I	6225	School Credit	1	KUBO TA Ikumi
Sp eci ali ze d	Co m pu lso ry	Programming Fundamentals	6226	School Credit	1	TANA KA Seiichi
Sp eci ali ze d	Co m pu Iso ry	Design and Drawing II A	6227	School Credit	1	MATS UZUK A Naoki

Sp eci ali ze d	Co m pu lso ry	Design and Drawing II B	6228	School Credit	1	MATS UZUK A Naoki
Sp eci ali ze d	Compusory	Manufacturing Engineering Practice II A	6229	School Credit	1	KATO H Takahi ro,OH MORI Shiget oshi
Sp eci ali ze d	Co m pu so ry	Manufacturing Engineering Practice II B	6230	School Credit	1	KATO H Takahi ro,OH MORI Shiget oshi
Sp eci ali ze d	Co m pu lso ry	Practice on Mechanical Engineering II A	6231	School Credit	1	KATO H Takahi ro,OH MORI Shiget oshi
Sp eci ali ze d	Co m pu lso ry	Practice on Mechanical Engineering II B	6232	School Credit	1	KATO H Takahi ro,SEK IMORI Daisuk e
Sp eci ali ze d	Compusory	Manufacturing Engineering I	6233	School Credit	1	KATO H Takahi ro
Sp eci ali ze d	Co m pu lso ry	Manufacturing Engineering II	6234	School Credit	1	KATO H Takahi ro

А	kashi Co	ollege	Year	2023		Course Title	Japanese I-1					
Course	Informa	tion	ı			1						
Course Co		5101			Course Categor	y General	/ Compulsory					
Class For	mat	Lecture			Credits	School (Credit: 1					
Departme	ent		al Engineering		Student Grade	1st						
Term Textbook Teaching		First Sem中島国彦	iester 他『精選現代の国	 語』『精選言語文化	Classes per We 』(明治書院)、	ek 2 『新訂総合国語 ⁶	更覧』(第一学習社)					
Instructor		TANGE A										
	Objectiv	es										
1) To cap 2) Can co able to ex 3) To elab	ture and some contractly reactly response the contractly reactly react	summarize that the different	ent points of view vn opinions. ts, create senter	w of people and th	ings drawn in lite	erary sentences	critic articles) accurately. s (novels and essays) and to be ified information. To be able to					
Rubric							T					
			Ideal Level		Standard Level		Unacceptable Level					
Achievem	ent 1		The students of summarize an composition of the students of th	d explain the	The students call and explain the latext.		The students can not summarize and explain the composition of a text.					
Achievem	ent 2		the characters	can well capture s figure and valuate it critically	The students ca characters figure and evaluate it	re and subject	The students can not capture the characters figure and subject and evaluate it critically					
Achievem	achievement 3		and organize I	and conclusions, his ideas and logically, using	The students control opinions and control organize his identified them logically, sentences.	onclusions, and eas and develor						
Assigne	d Depar	tment Ob	jectives									
Teachin	g Metho	od										
Outline		review pa	apers, novels, po	ge of the Japanese petry, and classical tically, in an organ	texts. To develo	p logical readir	of various texts such as modern ng and text expression skills and					
Style					assignments from time to time.							
Notice		Istudents	should actively	Japanese language engage in the less r more of classes v	ons without nea	lecting preparat	uding science subjects. The tion and review.					
Charact	eristics	•	Division in Le		viii rioc be engibi	•						
☐ Active			☐ Aided by I		☑ Applicable to	Remote Class	☐ Instructor Professionally Experienced					
Course	Plan	T 1_			1							
			Theme	D di F		Goals						
			Lourse guidance 'Omowazu"	, Reading "Futo" a	ana	prepare	w classes will be taugh and what to					
		2nd F	Reading "Futo" a	and "Omowazu"		Can properly understand the content according to the expression						
		3rd F	Reading "Futo" a	and "Omowazu"		Can understan	d the content and express one's					
		4th F		hension Rashomon	ı (Akutagawa	opinion Can properly u the expression	nderstand the content according to					
	1st Quarter	5th F	<u> </u>	hension Rashomon	(Akutagawa	<u> </u>	acter image of the character le expression					
			Reading comprel Ryunosuke)	hension Rashomon	(Akutagawa	Regarding nove interaction between the storyl	els, appropriately understand the ween the characters, and correctly ine.					
1st Semeste		7th F	Reading comprel Ryunosuke)	hension Rashomor	(Akutagawa	Regarding nove	els, to taste the ending of the work nal opinions about the text.					
r		Rth F	•	hension Rashomor	(Akutagawa		e characteristics of the work from					
		9th F	Reading Ujisyui ı	monogatari		Understood from read aloud proof the sentence	m the history of literature. Can perly and understand the meaning					
		10th F	Reading Ujisyui ı	monogatari			e characteristics of the work from					
	2nd Quarter	11th F	Reading Ise mor	nogartari		Understood fro read aloud pro of the sentence	m the history of literature. Can perly and understand the meaning					
		12th F	Reading Ise mor	nogartari		the top of litera	· · · · · · · · · · · · · · · · · · ·					
		13th F	Reading Aesthet	ics are a resource		To understand and the content	Ancient Japanese parts of speech of the essay					

	14th	Reading Aes	thetics are a resourc	ce	To understand Ancient Japanese Auxiliary verbs and the content of the essay				
	15th	Reading Aes	thetics are a resourc	ce	To un essay	To understand and explain the content of the essay and the aesthetics of middle ages Japan			
	16th	End term exa	ams						
Evaluation Met	hod and	Weight (%))						
	Examir	nation	Quizes	Behavior		Other	Total		
Subtotal	80		10	10		0	100		
Basic Proficiency	80		10	10		0	100		
Specialized Proficiency	0		0	0		0	0		
Cross Area Proficiency	0		0	0		0	0		

А	kashi Co	ollege	Year	2023		Cours		Japanese I-2	
Course	Informa	tion							
Course Co	ode	5102			Course Category	/ Gene	eral /	Compulsory	
Class For	mat	Lecture			Credits School Cr			redit: 1	
Departme	ent	Mechanic	cal Engineering		Student Grade 1st				
Term		Second S	Semester		Classes per Wee	ek 2			
Textbook Teaching	Matérials		他『精選現代の国	語』『精選言語文化	』(明治書院)、	『新訂総合国	語便	5覧』(第一学習社)	
Instructor		TANGE A	itsuko						
1) To cap 2) Can co able to ex 3) To elab	rrectly rea oress the oorate tex	summarize to the differ student's or	ent points of view wn opinions. rts, create senter	w of people and th	ings drawn in lite	rary senter	ices	critic articles) accurately. (novels and essays) and to be ied information. To be able to	
Rubric									
			Ideal Level		Standard Level			Unacceptable Level	
Achievem	ent 1		The students of summarize an composition of	d explain the	The students ca and explain the a text.			The students can not summarize and explain the composition of a text.	
Achievem	ent 2		the characters	can well capture figure and valuate it critically	The students ca characters figure and evaluate it	e and subje		The students can not capture the characters figure and subject and evaluate it critically	
Achievem	ent 3		The students of clear opinions and organize h	can well form and conclusions, nis ideas and logically, using	The students ca opinions and cor organize his idea them logically, usentences.	n form cleanclusions, and deve	nd elop	The students can not form clear opinions and conclusions, and organize his ideas and develop them logically, using empirical sentences.	
Assigne	d Depar	tment Ob	iectives		•				
	g Metho		<u></u>						
Outline	9 1 100110	To acqui	aners novels no	ge of the Japanese petry, and classical tically, in an organ	texts. To develor	o logical rea	ing c	of various texts such as modern g and text expression skills and	
Style							and a	assignments from time to time.	
Notice		To keep students	in mind that the should actively		e is the base of all ons without negle	II subjects,	inclu arati	iding science subjects. The	
Charact	eristics	of Class /	Division in Le	earning					
☐ Active	Learning	•	☐ Aided by I	СТ	☑ Applicable to	pplicable to Remote Class			
Course	Dlan								
Course	riaii		Theme		1	Goals			
		1 ot	Course guidance Reading Meanir	ng of working	F	Regarding a	the	es, read aloud correctly, to text composition according to the	
		2nd	Reading Meanir	ng of working			es、to understand and explain the nd arguments logically		
		3rd	Reading Meanir	ng of working	(developmer	nts a	es、to understand and explain the nd arguments logically	
	3rd Quarter	4th	Reading Heike m	onogatari	Įt	Jnderstand the gramma the style of	ar of	evaluation of literary history and ancient writing, and understand work	
		5th	Reading Heike m	onogatari	lt.	Jnderstand the gramma the style of	ar of	evaluation of literary history and ancient writing, and understand work	
2nd Semeste		6th	Reading Heike m	onogatari	l	Jnderstand consciousne	pers	son modeling and theme	
r		7th	Reading Heike m	onogatari		Jnderstand he basics	the	characteristics of the scene from	
		1	Reading Heike m			Capture and	d eva	aluate historical value	
		9th	Reading comprel hamburger (Kou	nension: The world ji Taki)				understand the composition	
	4.1	10th	Reading comprel hamburger (Kou	nension: The world ji Taki)	ι 15 α	Regarding a understand expression	the	es, read aloud correctly, to text composition according to the	
	4th Quarter	11th	Reading compreh hamburger (Kou	nension: The world ji Taki)		Answer text subject	boo	k questions and understand the	
		12th	Reading Serpent	ine	l t	Jnderstand to read it lo	Anc ud c	ient Chinese grammar and be able orrectly	
		13th	Reading Serpent	ineand Tang poet	ry -	To understa able to reac	nd A	Ancient Chinese grammar and be oud correctly	

		14th	Reading Tar	ng poetry		To understand Ancier correctly. To be able understand Ancient C	nt Chinese text contents to appreciate and Chinese poetry rules.		
		15th	Reading Tar	ng poetry		To be able to appreciate and understand Ancient Chinese poetry rules and its influence in Japanese literature.			
		16th	End term ex	ams					
Evaluati	on Meth	od and	Weight (%)					
		Exami	nation	Quizes	Behavior	Other	Total		
Subtotal		80		10	10	0	100		
Basic Prof	iciency	80		10	10	0	100		
Specialize Proficience	d y	0		0	0	0	0		
Cross Are		0		0	0	0	0		

А	kashi Co	ollege	Year	2023		Cour		History-1				
Course	Informa	tion										
Course Co	ode	5103			Course Categor	ry Gei	neral /	Compulsory				
Class Forr	mat	Lecture			Credits	Sch	nool Cr	redit: 1				
Departme	ent	Mechanica	l Engineering		Student Grade	1st						
Term		First Seme	ester		Classes per We	eek 2						
Textbook Teaching		Shisekaish	i B(Yamakawa)									
Instructor	r	ARAKAWA	Hironori									
Course	Objectiv	es.	- · · · · - · · · · · · · · · · · · · ·									
1. Can co 2. Unders 3. Unders 4. Can co	mprehend stand the d stand and	the principal connection be can explain Ja	tween historica apan's historica	vorld's modern his l events and histor l relationship with torical perspective	rical background other Asian coui	ls.						
Rubric			Г		1							
			Ideal Level		Standard Level			Unacceptable Level				
Achievem	ent 1			end the principal world's modern eir timelines.	Generally comp principal events modern history timelines.	s in the wo		Do not fully comprehend the principal events in the world's modern history and their timelines.				
Achievem	ent 2		Fully understar between histor historical back	nd the connection rical events and grounds.	Generally unde connection betweents and hist backgrounds.	ween histo		Do not understand the connection between historical events and historical backgrounds.				
Achievem	ient 3		Fully understar explain Japan's relationship wi countries.	s historical	Generally unde explain Japan's relationship wit countries.	historical		Do not fully understand and cannot explain Japan's historical relationship with other Asian countries.				
Achievem	ent 4		Fully understar consider curre world from a h perspective.	nt events in the	Generally unde consider curre world from a hi perspective.	nt events i		Do not fully understand and cannot consider current events in the world from a historical perspective.				
Assiane	d Depar	tment Obi	ent Objectives									
	g Metho											
Outline Style		this course and 20th o	e is to understar centuries, and c II be carried out	nd the history of Marify the history of the history	liddle East, Afric of current events uch as videos, a	a, Europe, in the wo nd historic	and A rld. al sou	solutely imperative. The aim of Asia, including Japan, in the 19th rces. Handouts, etc. will be oks ready for each class. Students				
,		are expect	ed to self-study									
Notice				more of classes v	vill not be eligible	e for evalu	ation.					
Charact	eristics	of Class / D	<u> Division in Le</u>	earning								
☑ Active	Learning		☑ Aided by IC	T	☑ Applicable to	o Remote	Class	☐ Instructor Professionally Experienced				
Ca	Dla:-											
Course	rian				1							
		+ +	neme			Goals						
		1st In	nperialism			Can expla						
			uropean coloniz ges	ation during and a	ifter the Middle	colonization	on, inc	y understand European luding geographic facts, during ddle Ages.				
		3rd Th	ne Scramble for	· Africa		Incident, a	and th	Scramble for Africa, the Fashoda eir impact. Can explain the South d its historical significance.				
		4th Th	ne Opium Wars	, the Arrow War		Can expla their impa		Opium Wars, the Arrow War, and				
	1st Quarter		ne Taiping Rebe ovement	ellion and the Self-	Strengthening	Can expla Strengthe	in the ning M	Taiping Rebellion, the Self- lovement, and their impact.				
1st Semeste			ne Sino-Japanes eform	se War / The Hund	dred Days of	Sino-Japa	nese V	Hundred Days of Reform, the War, and their impact.				
Semeste r			ne Russo-Japan evolution	ese War and the >	(inhai	Can expla Japanese their impa	War, a	North China Incident, the Russo- and the Xinhai Revolution, and				
		8th In	ternational Coc gh School Stud	"JICA Essay Conte operation for Junio ents" (Midterm gr ys/forms/notes. L	r and Senior ades are	governme	nt org w boo	rnational cooperation by anizations. ks and documents from the				
		Oth Th		nan War / German		Can expla and its im	in the pact.	process of German Unification				
	2nd Quarter	10th Th	ne Triple Allianc	e and Triple Enter	nte	Can expla their impa		Triple Alliance, Triple Entente and				
		11th Ba	alkan Peninsula	/ Ethnic Mosaic		Can explain the Sarajevo Incident and its historical significance.						

		12th	World War I / intentionalism	entions of great p	owers and	Can explain Worksignificance.	Can explain World War I and its historical significance.			
	13th The May Fourth Movement / First United Front					Can explain the I United Front, and	May Fourth Move d their impact.	ment, the First		
		14th The Manchurian Incident / the Xi'an Incident			Can explain the Northern Expedition, foundation of Manchukuo, Long March, and the Xi'an Incident, and their impact.					
	15th What can engineers do for internatio development / Preparing for the essa				tional ssay contest	Understand and can explain matters related to international relationships, and the current state of international development, such as JICA.				
		16th	Final exam							
Evaluati	on M	ethod and '	Weight (%)							
		Examination	Submissions	Mutual Evaluations between students	Behavior	Portfolio	Other	Total		
Subtotal		70	0	5	5	0	0	80		
Basic Proficiency	У	70	0	5	5	0	0	80		
Specialize Proficiency		0	0	0	0	0	0	0		
Cross Area Proficiency		0	0	0	0	0	0	0		

Д	ıkashi Co	ollege	Year	2023		Course Title	History-2	
Course	Informa	tion	•			-1		
Course Co	ode	5104			Course Categor	y General	/ Compulsory	
Class For	mat	Lecture			Credits	School (Credit: 1	
Departme	ent	Mechanica	l Engineering		Student Grade	1st		
Term		Second Se	mester		Classes per We	ek 2		
Textbook Teaching		Shisekaish	i B(Yamakawa)					
Instructo	r	ARAKAWA	Hironori					
Course	Objectiv	es						
2. Unders 3. Unders	stand the c stand and	connection be can explain Ja	tween historica apan's historica	vorld's modern his l events and histor l relationship with torical perspective	ical background other Asian cou	S.		
Rubric								
			Ideal Level		Standard Level		Unacceptable Level	
Achievem	ent 1			end the principal vorld's modern eir timelines.	Generally comp principal events modern history timelines.	s in the world's	Do not fully comprehend the principal events in the world's modern history and their timelines.	
Achievem	ent 2			nd the connection rical events and grounds.	Generally unde connection betweents and hist backgrounds.	ween historical	Do not understand the connection between historical events and historical backgrounds.	
Achievem	nent 3		Fully understa explain Japan's relationship wi countries.	s historical	Generally unde explain Japan's relationship wit countries.	historical	Do not fully understand and cannot explain Japan's historical relationship with other Asian countries.	
Achievem	Achievement 4		Fully understal consider curre world from a h perspective.	nt events in the	Generally unde consider curre world from a hiperspective.	nt events in the	Do not fully understand and cannot consider current events in the world from a historical perspective.	
Assigne	d Depar	tment Obje	ectives					
Teachin	ig Metho	d						
Outline		this course and 20th c	e is to understa centuries, and c	nd the history of M larify the history o	liddle East, Afric f current events	a, Europe, and in the world.	osolutely imperative. The aim of Asia, including Japan, in the 19th	
Style		distributed are expect	as needed, bu ed to self-study	t students should l v, and independen	nave their textbo tly think and lea	ooks and noteb rn from history		
Notice			· · · · · · · · · · · · · · · · · · ·	more of classes v	vill not be eligible	e for evaluation		
Charact	eristics (of Class / D	<u> Division in Le</u>	arning	ı			
☑ Active	Learning		☑ Aided by IC	T	☑ Applicable to	o Remote Class	☐ Instructor Professionally Experienced	
Course	Plan							
204,30		Th	neme			Goals		
		1ct Th	ne fall of the Mu	ıghal Empire and t	he colonization	Can explain the	e process of the development of the	
		2nd Th	India ne formation of	the Indian Nation	al Congress /	Mughal Empire.		
		Th	ne emergence o	of Gandhi	J ,	and their impa	ct.	
				Partition of India			ndhi's movement and the conflict and Pakistan since colonial times. e governing system of Russia	
	3rd Quarter		eforms of Russi	a since the 19th ce	entury	before the Rus	sian Revolution. e March Revolution and November	
	Quarter	5th Th	ne Russian Revo	olution		Revolution, and	d their historical significance.	
2nd		6th Ve	ersailles System	and Washington	System	System, and the historical signif	e Versailles System, Washington ne League of Nations, and their ïcance.	
Semeste r		7th Ar	merica's prospe	rity / Roaring Twe	nties	Can explain the 1920s.	e Policies of the US during the	
		8th Pa	x Americana				e Pax Americana.	
		9th Th	ne Great Depre	ssion / Bloc econor	my	Can explain the	e process of how the Great ead, and its impact.	
		10th Th	ne establishmer	nt of Nazi Germany	/	Can explain the	e process of how the Nazi were ny Germany accepted them.	
	4th Quarter	11th W	orld War II				e Invasion of Poland, World War II	
	Quarter	12th Th	ne Cold War			Can explain the	e Berlin Blockade, Cuban Missile r historical significance.	
		13th	ne establishmer	nt and breakthrough	h of the	Can explain the	e events of 1949, the Sino-Soviet	
		Pe	eople's Republic	or China		split, and their	ітіраст.	

		14	th C	ultural Revolution	n / Chinese econo	omic reform	Can explain the Great Leap Forward, Cultural Revolution, Chinese economic reform, Handover of Hong Kong, and their impact.			
				odern history of reparing for a stu	the Korean Penir Idy tour	isula /	Can explain the modern history of the Korean Peninsula.			
		16	ith Fi	nal exam						
Evaluati	Evaluation Method and Weight (%)									
		Exami	nation	Submissions	Mutual Evaluations between students	Behavior	Portfolio	Other	Total	
Subtotal		70		0	5	5	0	0	80	
Basic Proficiency	У	70		0	5	5	0	0	80	
Specialize Proficiency	d y	0		0	0	0	0	0	0	
Cross Area Proficiency		0		0	0	0	0	0	0	

Д	kashi Co	ollege	Year	2023			ourse Title	Mathematics I A-1
Course	Informa	tion						
Course Co	ode	5105			Course Categor	У	General ,	/ Compulsory
Class For	mat	Lecture			Credits		School C	redit: 2
Departme	ent	Mechanical	Engineering		Student Grade		1st	
Term		First Semes	ster		Classes per We	ek	4	
Textbook Teaching	Materials			(Dai Nihon Tosho	0)			
Instructo		TAKATA Isa	30					
Course	Objectiv	es						
12) To unc	derstand F	guation and in	equality, and b	e able to calculate be able to solve the be able to use the	em.			
Rubric					1			
			Ideal Level		Standard Level			Unacceptable Level
1) Numbe	ers and eq	uations	Can understand equations, and calculate them.		Can understand equations.	l numl	pers and	Can not understand numbers and equations.
2) Equation	on and ine	quality	Can understand inequality, and them.	d Equation and be able to solve	Can understand inequality.	l Equa	tion and	Can not understand Equation and inequality.
3)Functio	ns and gra	aphs		d and functions d be able to use	Can understand and graphs.	l and f	unctions	Can nt understand and functions and graphs.
Assigne	d Depar	tment Obje	ctives					
Teachin	ng Metho	od						
Outline		The objecti				logic	al thinking	g skills and acquire the
Style		Students ar	e asked to pre	ntics necessary in pare for the class study in groups di	with video clips	accord	ling to the	e syllabus. f understanding.
Notice		Review you Study inder CBT will be	pendently by us aiven in one o	class. Do not leave	ections.			nd unanswered, but ask questions.
Charact	eristics	of Class / D	ivision in Le	arning				
☑ Active	Learning		☑ Aided by IC	Т	☑ Applicable to	Rem	ote Class	☐ Instructor Professionally Experienced
Course	Plan	1			T			
		Th	eme			Goals		
		1st Nu	mbers and equ	ations		Class Preparation. Also, can calculate addition, subtraction, and multiplication of integer expressions.		
		2nd Nu	mbers and equ	ations		formu	las. Also,	ential laws and expansion can perform simple factorizations.
		3rd Nu	mbers and equ	ations		Can co higher theore	⁻ order po	visors of integers. Also, can factor lynomials using the factor
		4th Nu	mbers and equ	ations		calcula		ional expressions. Also, can on, multiplication, and division of ssions.
	1st Quarter	5th Nu	mbers and equ	ations		numb compl	ers. Also, ex numbe	the meaning of real and absolute can understand the phases of ers and compute their addition, and division.
1st Semeste r		6th Eq	uations and ine	equalities		compl	ex numbe olve quadr	I the correspondence between ers and the complex plane. Also, ratic equations by using solution
		7th Eq	uations and ine	equalities		Also, o solutio	can under	ill be used to check for retention. stand the relationship between pefficients and can factor any ion.
		8th Eq	uations and ine	equalities		fractic	nal equat	equations. Also, can solve ions and irrational equations.
		9th Eq	uations and ine	equalities		Can u decon	nderstand nposition.	l identities and partial fractional Also, can prove various equations.
	2nd	10th Eq	uations and ine	equalities		Can so		order inequalities. Also, can solve
	Quarter	11th Eq	uations and ine	equalities		and co	ompute se	
		12th Eq	uations and ine	equalities		Can d deterr	etermine nine the t	the number of sets. Also, can ruth or falsity of a proposition.

	13th	Functi	ons and graphs			Can state the inverse, reverse, and contrapositive of a proposition. Also, can draw graphs of quadratic functions.			
	14th	Functi	ons and graphs			The CBT test will be used to check for retention. Also, can find quadratic functions.			
	15th	Functi	ons and graphs			Review of the total. Also, can understand the relationship between quadratic functions and quadratic inequalities.			
	16th Exam					Confirmation of the studies.			
Evaluation Me	thod and	Weigh	t (%)						
	Examinat	ion	Comprehension Test	Review Test	Assig	ınments	Attendance points	Total	
Subtotal	25		20	25	15		15	100	
Basic Proficiency	25		20	25	15		15	100	
Specialized Proficiency 0			0	0	0		0	0	
Cross Area Proficiency	0		0	0	0		0	0	

Д	kashi Co	ollege	Year	2023			ourse Title	Mathematics I A-2	
Course	Informa	tion							
Course Co	ode	5106			Course Categor	У	General /	Compulsory	
Class For	mat	Lecture			Credits		School Cr	edit: 2	
Departme	ent	Mechanic	cal Engineering		Student Grade		1st		
Term		Second S	Semester		Classes per Wee	ek	4		
Textbook Teaching		Fundame	ental Mathematic	s (Dai Nihon Tosho	o)				
Instructo	r	TAKATA	Isao						
Course	Objectiv	es es							
1) To und	derstand a	nd functions	ind logarithmic fu	l be able to use th inctions, and be al if possible outcome	ble to use them.	y, and	be able to	calculate them.	
Rubric									
			Ideal Level		Standard Level			Unacceptable Level	
Achievem	nent 1		Can understan and graphs, ar them.	d and functions nd be able to use	Can understand and graphs.	l and f	unctions	Can nt understand and functions and graphs.	
Achievem	nent 2			d exponential and actions, and be em.	Can understand logarithmic fund			Can not understand exponential and logarithmic functions.	
Achievem	Can understand the principles of the number of possible the number o				Can understand the number of p outcomes and p	ossibl	le ·	f Can not understand the principles of the number of possible outcomes and probability.	
Assigne	d Depar	tment Ob	jectives						
	ng Metho								
	ig i icciic		ctive is to develo	n hasic mathemati	ical formulas and	l logica	al thinking	skills and acquire the	
Outline		fundame Students	ntals of mathema are asked to pre	atics necessary in pare for the class	college. with video clips a	accord	ing to the	syllabus.	
Style			will be asked to classes may be o	study in groups du offered.	uring class to che	eck the	eir level of	understanding.	
Notice		Study ind	dependently by u be given in one c	sing problem colle	ctions.			d unanswered, but ask questions.	
Charact	eristics	of Class /	Division in Le	arning					
☑ Active	Learning		☑ Aided by IC	т	☑ Applicable to	Remo	ote Class	☐ Instructor Professionally Experienced	
Courses	Dlan								
Course	Pidii	1.	Th			CI-			
			Theme			<u>Goals</u>			
		1st	Functions and gra	aphs		Answers to the first semester final exam and a summer homework test will be given. Also, can understand the relationship between quadratic functions and quadratic inequalities.			
		2nd	Functions and gra	aphs		Also, d	can draw g	s symmetrically and scale them. graphs of power functions and een even and odd functions.	
		3rd	Functions and gra	aphs		Can di solve i functio	inequalities	s of fractional functions. Also, can s using graphs of fractional	
	3rd Quarter	4th	Functions and gra	aphs		draw g	graphs of i	s of irrational functions. Also, can nverse functions.	
2nd		5th	Exponential and I	ogarithmic functio	ns	Can fii will be retent	administe	ver roots. In addition, a CBT test ered to check for learning	
Semeste		6th	Exponential and l	ogarithmic functio	ns	Can ui law. A functio	lso, can dr	the extension of the exponential raw graphs of exponential	
	4th Quarter	7th	Exponential and I	ogarithmic functio	ns l	expon	ential func	ons and inequalities for tions. Also can understand can perform simple calculations.	
		8th	Exponential and I	ogarithmic functio	ins	Can us Also, d	se the tran can draw g	nsformation formulas for the base. graphs of logarithmic functions.	
		9th	Exponential and l	ogarithmic functio	ns	Can so logarit logarit	:hmic funct	ions and inequalities of tions. Also, can use ordinary	
		10th	Number of cases			Can understand the law of product and the law of sums, and can find simple cases. Also, a CBT tes will be given to check the level of retention of			
ı	1	11th	Number of cases	nh ou of ango			Can find the values of various permutations.		

		12th	Numbe	er of cases			Can obtain the circular permutations. Also, can obtain simple combinations.				
		13th	Numbe	er of cases			Can obtain the various combinations. Also, can obtain overlapping permutations.				
		14th	Numbe	er of cases			Can understand and use the binomial theorem. Also, CBT (Headquarters) will be conducted.				
		15th	Basics	asics of probability				Can compute simple probabilities. Also can understand and calculate conditional probabilities.			
	16th Exam						Confirmation of the studies				
Evaluation	on Met	hod and	Weigh [.]	t (%)							
		Examination	on	Comprehension Test	Review Teat	Assig	nments	Attendance points	Total		
Subtotal		25		20	25	15		15	100		
Basic Profi	ciency	25		20	25	15		15	100		
Specialized Proficiency 0		0		0	0	0		0	0		
	Cross Area Proficiency			0	0	0		0	0		

А	.kashi (College	Yea	r	2023			ourse Title	Mathematics	I B-1
Course 1	Inform	ation								
Course Co	ode	5107				Course Categor	У		Compulsory	
Class Forr		Lecture				Credits		School Cr	edit: 1	
Departme	ent		ical Engineeri	ng		Student Grade		1st		
Term	1 /	First Se	mester			Classes per We	ek	2		
Textbook Teaching		s 高遠他:	「新 基礎数学	·] 大E	日本図書高遠他:「新	新 基礎数学 問題	5集」フ	*日本図書		
Instructor	-	OMODA	Yasuhiro							
Course (Object	ives								
	stand an	d solve prob	lems related t	to trig	onometric function	ons, figures, equ	ations,	and seque	ences.	
Rubric										
			Ideal Leve			Standard Level			Unacceptable L	evel
1)Trigono	metric f	unctions	function a	of trig	stand the gonometric impetently solve trigonometric	Can understand trigonometric fu problems using functions.	unction	and solve	Can not unders definition of trig function or solv using trigonome	gonometric e problems
Assigne	d Depa	rtment O	bjectives							
Teachin										
Outline		To learr	about trigon	omet	ric functions. Lea	rn the fundamen	tals of	mathema	tics required in co	ollege.
Style	,									
Notice		Prepara 7 absen	tion and revie ces will be ex	ew of	the content learn	ed are indispens	able.			
Charact	eristic		Division in							
✓ Active Learning			☑ Aided I			☑ Applicable to	Remo	ote Class	☐ Instructor P Experienced	rofessionally
Course	Plan		Γ							
			Theme				Goals			
		1st	Triangle ratio	o and	its application	1			e triangle ratio.	
		2nd	Triangle ratio	o and	its application		can ca ratio.	ilculate the	e obtuse angle tri	gonometric
		3rd	Triangle ratio	riangle ratio and its application			theore	m.	e problem using	
	1st	4th	Triangle ratio	its application		Can so theore		e problem using	the cosine	
	Quarte	5th	Summary							
		6th	Trigonometr	ic fun	ction		Can calculate the value of an angle using the trigonometric functions. Can express angles u the arc method.			le using the ess angles using
		7th	Trigonometr	ic fun	ction		Can ex trigon	plain the i	nterrelationship a	and nature of
1st Semeste		8th	Trigonometr	ic fun	ction				aph of a trigonon	
r		9th	Trigonometr	ic fun	ction		Can so inequa		angular equation	and triangular
		10th	Summary					lve proble	ms related to the	content
		11th	,	orem	and its application	n	Can ca		gonometric ratio	using the
	2nd Quarter	12th	Additive the	orem	and its application	n	Can de	erive the fo	ormula of the sun	n of products, em.
	- Qualite	13th	Additive the	orem	and its application				rigonometric fund	
		14th	Additive the	orem	and its application	n	Can so learne		ms related to the	e content
		15th	Summary					lve proble	ms related to the	content
	16th none									
		16th								
Evaluati	ion Me		Neight (%))						
Evaluati					Mutual Evaluations between students	Behavior	Portf	olio	Other	Total
Evaluati Subtotal	E	thod and \	Weight (%)		Evaluations between	Behavior	Portf 0	olio	Other	Total
Subtotal Basic Proficience	4 y	thod and vixamination	Weight (%)		Evaluations between students			olio		
Subtotal Basic	E 4	thod and vixamination	Presentati		Evaluations between students	30	0	olio	0	100

Д	Akashi	Coll	ege	Year		2023			Course Title	Mathematics	I B-2
Course	Inforr	nati	on								
Course Co	ode		5108				Course Catego	ry	General /	Compulsory	
Class For	mat		Lecture				Credits		School Cr	redit: 1	
Departme	ent			al Engineering]		Student Grade		1st		
Term			Second S	emester			Classes per We	eek	2		
Textbook Teaching					大	日本図書高遠他:「箱	新 基礎数学 問	題集」	大日本図書		
Instructo			OMODA `	Yasuhiro							
Course	Objec	tive	S								
To unders	stand a	nd sc	lve proble	ms related to	tri	jonometric function	ons, figures, equ	ıations	, and sequ	ences.	
Rubric				•						_	
				Ideal Level			Standard Leve			Unacceptable L	.evel
1)Equatio	ons and	grap	hs	relationship between equations and graphs, and solve problems related to straight problems			relationship be and graphs, a problems relat	Can sufficiently understand the relationship between equations and graphs, and solve problems related to straight lines and guadratic curves.			stand the tween equations solve problems ght lines and es.
2)sequences Can fully understand and su the general term of a seque			stand and sum m of a sequence.	Can understar general term o			Can not unders the general ter	stand and sum m of a sequence.			
Assigne	d Der	artr	nent Ob	jectives							
Teachin											
Outline	<u> </u>		To learn	about trigonor	net	ric functions, figu	res and their ed	uations	s, and sea	uences. Learn the	e fundamentals
of mathematics required in college.											
Style				vith problem-s							
Notice			Preparati 7 absenc	on and review es will be excı	of use	the content learn d.	ied are indispens	sable.			
Charact	eristic	cs of	Class /	Division in	Le	arnina					
☑ Active			<u> </u>	☑ Aided by			☐ Applicable to Remote Class ☐ Instructor Pro			rofessionally	
Course	Plan										
			-	Theme				Goals			
		1	.st	Point and Straight line					alculate th or division	e centroid of a tr point.	angle, and the
		2	nd I	Point and Stra	igh	line				e line equation.	
		3	Brd I	Point and Stra	igh	line				ear equations sa rallel or Vertical l	
	3rd Quarte	∍r ⊢		Summary				learne	ed.	ems related to the	e content
	Qua. c.	· [5	ith (Quadratic curv	e c	ircle				rcle equation.	
		ϵ	ith	Quadratic curv	e c	ircle		appro	ximate sha	1 -	
		7	th (Quadratic curv	e c	ircle		Can so appro	olve the pa ximate sha	arabolic equation ape, and the hype	and calculate the erbolic curve.
2nd		8	8th (Quadratic curv	e c	ircle		Can c	alculate ta	ngent of a quadra	atic curve.
Semeste		9	th (Quadratic curv	e c	ircle		Can sl (Coali		rea represented b	y inequality
		1	.0th :	Summary				Can se learne		ems related to the	e content
		1	.1th :	Sequence					alculate th ession.	e general term o	f an arithmetic
	4th	1	.2th	Sequence					alculate th ession.	e general term o	f an arithmetic
	Quarte	er 1	.3th !	Sequence				Can c	alculate th	e sum of various	sequences.
		1	.4th	Sequence				Can of formulinduct	la and can	ne general term o prove it using m	of the recurrence athematical
	15th Summary				olve proble	ems related to the	e content				
		1	.6th	none				, carrie			
Evaluat	ion M	-		/eight (%)				1			
Evaluat			nination	Presentation	ı	Mutual Evaluations between	Behavior	Portí	olio	Other	Total
Subtotal		40		30		students 0	30	0		0	100
Basic										-	
Proficiency 40				30		0	30	0		0	100

Specialized Proficiency	0	0	0	0	0	0	0
Cross Area Proficiency	0	0	0	0	0	0	0

Akashi Col	lege	Year	2023		Course Title	Science I -1
Course Informati	on	L			110.0	
Course Code	5109			Course Category	General /	Compulsory
Class Format	Lecture			Credits	School Ci	
Department	· .	al Engineering		Student Grade	1st	Care I
Term	First Seme			Classes per Week		
Textbook and/or Teaching Materials			数研出版),新課程	リードa 物理基礎		₹)
Instructor	TAKEUCH:	I Masahiro				
Course Objective	:S					
Understand the co Understand the co	ncept of sig	ctor and compor	ent, and use ther	n properly.		concepts and perform basic
Rubric						
		Excellent		Good		Insufficient
Achievement 1		Understand the significant figur and handle the	concept of es and units, m appropriately.	Can handle signif and units approp		Doesn't understand the concept of significant figures and units, and can't handle them appropriately.
Achievement 2		Understand the vector and com them properly.	concept of ponent, and use	Can use vector a properly.	nd component	Doesn't understand and can't use vector and component.
Achievement 3	schievement 3		concept of the physical e physical e able to explain and perform ns.	Understand the c dynamics of the p quantity.		Doesn't understand the concept of the dynamics of the physical quantity.
Assigned Depart	ment Obj	ectives				
Teaching Method						
In the first year, the students will learn until constant velocity circular motion (middle of dynamics topic 4 The students are required to acquire a tremendous amount of knowledge out a difficult topic, to be perseverant and don't give up. Dynamics 1: To understand the vector concept. The contents used here a speed and acceleration, topics learned at junior high school. To explain the components of a vector is necessary to understand the trigonometric functions. Also, will be guided to handle significant figures and units. The students will learn how to study by themselves through daily tasks, such as self-learning, doing assignments (task preparation research notes), etc. Dynamics 2: to understand the relation between cau and consequence in physical phenomena. For example, acceleration (learned in dynamics 1) is the result, caused by the exercise of a force and influenced by mass. The students will learn more about movements equations in dynamics 4. Dynamics 3: to understand torque which is a quantitative concept of lever pring Next, the students will study energy conservation law and momentum conservation law. Here, by conduct a total review of physical quantities learned so far, the students will be prepared to comprehend dynamic The students must pay attention to the differences in power and energy, that are easily confused. Dynam 4: To understand constant velocity circular motion through the study of two-dimensional. As an application the students will use simple vibration as an instrument to learn about sound and light waves. Furthermor through the study of the law of universal gravitational attraction by Newton, the students will become aw of all the dynamic phenomena, represented by the equation of motion. To make the students perceive the						ept. The contents used here are components of a vector is handle significant figures and is, such as self-learning, doing and the relation between cause d in dynamics 1) is the result, learn more about movements nitiative concept of lever principle. ervation law. Here, by conducting ared to comprehend dynamics 4. at are easily confused. Dynamics -dimensional. As an application, and light waves. Furthermore, the students will become aware
Style	During each lesson (90 minutes) in the first half the teacher will explain the contents from in the textbook, and in the second half the students will participate in group-specific activities and solve problems together from the textbook. The students are required to read the textbooks in advance, to make team activities smooth and meaningful. Also, to acquire problem-solving and presentation style, we recommend the use of the support web page and videos. In the future, physical reversal classes will be abolished, so the students should focus on preparation for the classes from the beginning. Assignment: The students have to make as submit their "problem research note." The note contains explanations of the background and essence of each problem and not be used as a tool to show how much the student had studied. It also should include long-term vacations periods of study time. Test: The test problems are from high school physics book (the style the problem is preserved, numbers and way of solving are changed), to avoid difference of interpretation between students and teacher, original questions elaborated by the teacher are not used. In resume, this course is centered on the problems from the textbook, in addition to other learning materials as the videos and the web page task, etc. The students should understand the textbook from corner to corner, as a third party external evaluation system. In addition to the teachers' commentary, extra handouts may be distributed as a reference. I can solve Ichi's problems! This fact and feeling will give confidence to the students in oth activities inside and outside the campus.					
Evaluation points: For specific calculation methods: https://sites.google.com/s.akashi.ac.jp/physics/ Re-examination: No retesting 5 absences will be excused. In junior high school, students think about something from zero. Learners who do not stand on the shot of the giants, are not only inefficient but also blaspheme. In the learning of physics, images from comics animation may lead to erroneous concepts (simple concept) and sometimes interfere with correct understanding of physical phenomena. By acquiring the "style" of thinking developed by predecessor ph you will become a sophisticated technician who is not misled by misconceptions and pseudoscience!					who do not stand on the shoulder physics, images from comics and interfere with correct eveloped by predecessor physics,	
Characteristics o	f Class / [<u> Division in Lea</u>	arning			
		☑ Aided by IC	Γ	☑ Applicable to I	Remote Class	☐ Instructor Professionally Experienced
Course Plan						
	Т	heme		G	oals	

	•						
		1st	Calculate sum difference of vector (p6 - p13)	components	Can explain text	pook's problems 2,3,4.	
		2nd	Vector subtraction and relative velo (p14 - p18)	ocity	Can explain text	pook's problems 5,7,8.	
		3rd	3 equations of equal acceleration li and it's exercises (p19 - p25)	near motion	Can explain text	pook's problems 11,12,13.	
	1st Quarter	4th	Gravity acceleration measurement (experiment hand out)	experiment	Execute the expeasing	eriment safely and submit the ne.	
		5th	Powers and significant figures (p24	11-p244)	Can explain text	pook's problems 21,22, 23	
		6th	Falling body motion and horizontal (p31-p36)	projection	Can explain text	oook's problems 27, 28, 29	
1st		7th	Oblique projection (p37-p41)		Can explain textl	oook's problems 30, 31, 32	
Semeste		8th	Mid term exams		Correctly answer	more than 80 % of the test.	
ļ		9th	How to calculate the force and force p49)	ce vector(p44-	Can explain textbook's problems 40, 41, 44, 45		
		10th	Force balance and Force action / rep55)	eaction (p50-	Can explain text	oook's problems 40,41, 46, 47,49	
		11th	Equation of motion (p61-p70)		Can explain text	oook's problems 56,58,59,60	
	2nd	12th	Friction force (p71-p74)		Can explain textl	book's problems 64,65,66	
	Quarter	13th	Atmospheric pressure and water p p77)	ressure (p75-	Can explain text	pook's problems 68, 69	
		14th	Buoyancy and air resistance (p78-	p80)	Can explain textl	book's problems 70,71	
		15th	Exercises		Can explain textl	book's problems 67,61,62	
		16th	End term exams		Correctly answer	more than 80 % of the test.	
Evaluati	ion Meth	od and \	Weight (%)				
			Examination	Non-test evalu	uation	Total	
Subtotal			40	60		100	
Basic Prof	ficiency		40	60		100	
Specialize	d Proficier	ncy	0	0		0	
Cross Are	a Proficier	ncy	0	0		0	

Akashi Col	lege	Year	2023		Course Title	Science I -2
Course Informati	on				•	
Course Code	5110			Course Category	y General ,	/ Compulsory
Class Format	Lecture			Credits	School C	redit: 1
Department	Mechanic	al Engineering		Student Grade	1st	
Term	Second S	emester		Classes per Wee	ek 2	
Textbook and/or Teaching Materials	國友正和信	まか著 総合物理 1 -	·力と運動・熱- (数	研出版)数研出版編	集部編 リードa	物理基礎・物理 (数研出版)
Instructor	TAKEUCH	II Masahiro				
Course Objective	S					
 Understand the co Understand the co Understand the co calculations. 	ncept of ve	ector and compor	ent, and use ther	n properly.		concepts and perform basic
Rubric						
		Excellent		Good		Insufficient
Achievement 1		Understand the significant figur and handle the		Can handle sign and units appro		Doesn't understand the concept of significant figures and units, and can't handle them appropriately.
Achievement 2		Understand the vector and com them properly.	concept of ponent, and use	Can use vector a properly.	and component	Doesn't understand and can't use vector and component.
Achievement 3	chievement 3		concept of the physical e physical e able to explain and perform	Understand the dynamics of the quantity.		Doesn't understand the concept of the dynamics of the physical quantity.
Assigned Departr	nent Ob	jectives				
Teaching Method						
Outline	persevera speed and necessary units. The assignme and conse caused by equations Next, the a total rev The stude 4: To uno the stude through t of all the	ant and don't gived acceleration, to d acceleration, to to understand the students will lead ents (task preparalequence in physical of a s in dynamics 4. E students will students will students must pay att derstand constant when study of the lead dynamic phenomes	e up. Dynamics 1 pics learned at jui ne trigonometric furn how to study be tion research note all phenomena. For a force and influer bynamics 3: to ur dy energy conservuantities learned ention to the differ velocity circular revibration as an ew of universal graena, represented	: To understand hior high school. vunctions. Also, was themselves thes), etc. Dynamic example, accenced by mass. The highest and mass and mass far, the stude erences in power motion through the instrument to lead a vitational attractional attraction by the equation	the vector conc To explain the will be guided to rough daily tasl cs 2: to underst leration (learne he students will e which is a qua comentum cons ents will be prep and energy, the he study of two arn about sound tion by Newton	ut à difficult topic, to be lept. The contents used here are components of a vector is handle significant figures and ks, such as self-learning, doing and the relation between cause d in dynamics 1) is the result, learn more about movements ntitative concept of lever principle. ervation law. Here, by conducting lared to comprehend dynamics 4. at are easily confused. Dynamics ordimensional. As an application, d and light waves. Furthermore, the students will become aware make the students perceive that if
During each lesson (90 minutes) in the first half the teacher will explain the contents from in the textbo and in the second half the students will participate in group-specific activities and solve problems toget from the textbook. The students are required to read the textbooks in advance, to make team activities smooth and meaningful. Also, to acquire problem-solving and presentation style, we recommend the understand the support web page and videos. In the future, physical reversal classes will be abolished, so the students should focus on preparation for the classes from the beginning. Assignment: The students have to make submit their "problem research note." The note contains explanations of the background and essence of problem and not be used as a tool to show how much the student had studied. It also should include the term vacations periods of study time. Test: The test problems are from high school physics book (the state the problem is preserved, numbers and way of solving are changed), to avoid difference of interpretations between students and teacher, original questions elaborated by the teacher are not used. In resume, to course is centered on the problems from the textbook, in addition to other learning materials as the viction and the web page task, etc. The students should understand the textbook from corner to corner, as a party external evaluation system. In addition to the teachers' commentary, extra handouts may be distant as a reference. I can solve Ichi's problems! This fact and feeling will give confidence to the students in activities inside and outside the campus.						es and solve problems together nee, to make team activities style, we recommend the use of abolished, so the students: The students have to make and estackground and essence of each ied. It also should include longing school physics book (the style of oid difference of interpretation are not used. In resume, this earning materials as the videos rom corner to corner, as a thirdextra handouts may be distributed
Notice	Re-exami In junior of the gia animatior understar	nation: No retest high school, stud- nts, are not only n may lead to erro nding of physical	ing ents think about s inefficient but also oneous concepts (phenomena. By a	5 absences wi comething from z o blaspheme. In simple concept) cquiring the "styl	ill be excused. zero. Learners v the learning of and sometimes le" of thinking of	n/s.akashi.ac.jp/physics/ who do not stand on the shoulder physics, images from comics and interfere with correct leveloped by predecessor physics, ions and pseudoscience!
Characteristics of	Class /	Division in Lea	arning			
☑ Active Learning		☑ Aided by IC	Г	☑ Applicable to	Remote Class	☐ Instructor Professionally Experienced
Course Plan						
	Т	Theme		10	Goals	

		1st A	ssignment test and force moment	(p81-p85)	Can explain textb	ook's problems 80,81,82	
		2nd C	Combined force and center of graviigid body (p86-p89)	ty acting on a	Can explain textb	ook's problems 83,84,85, 86	
		3rd R	tigid body tilt and fall (p90-p93)		Can explain textbook's problems 87,88,89		
	3rd	4th V	Vork and power (p94-p99)		Can explain textb	ook's problems 94, 95, 96, 97	
	Quarter	5th K	inetic energy and potential (p100-	p106)	Can explain textb	ook's problems 100, 101, 102,	
		6th P	reservation of mechanical energy	(p107-p112)	Can explain textb	ook's problems 104,105	
		7th E	xercises		Can explain textb	ook's problems 106,107	
2nd Semeste		8th N	1id term exams		Correctly answer	more than 80 % of the test.	
r		9th N	Iomentum conservation law (p118	-p123)	Can explain textb	ook's problems 114,116,117	
		10th	Collision on the plane and coefficien p124-p132)	t of restitution	Can explain textbook's problems 120, 121, 122		
		11th C	Collision energy (p133-p134)		Can explain textbook's problems 123,124, 125		
	4th Quarter	12th C	Constant velocity circular motion (p	136-p141)	To explain in order the six formulas and the textbook's problems 131, 132, 133, 134		
	(0.0.00	13th I	nertial force (p142-p145)		Can explain textb	ook's problems 139, 137, 138	
		14th C	Centrifugal force (p146-p150)		Can explain textb	ook's problems 139, 140, 141	
		15th E	xercises		Can explain textb	ook's problems 142, 143, 135	
		16th E	nd term exams		Correctly answer	more than 80 % of the test.	
Evaluation Method and Weight (%)							
			Examination	other		Total	
Subtotal			40 60			100	
Basic Proficiency 40 60					100		

Akashi College Course Information			Year	2023		Course Title	Physical Education I-1		
Course	Informa	tion							
Course Co	ode	5111			Course Category	General /	Compulsory		
Class Forr	mat	講義・実	支		Credits	School C	redit: 1		
Departme	ent	Mechanic	cal Engineering		Student Grade	1st			
Term		First Sen	nester		Classes per Wee	eek 2			
Textbook Teaching									
Instructor	<u> </u>	GOTOH	Takayuki,KOBAYA	SHI Yuki					
Course	Objectiv	es							
 Can tal 	ke action t	sses to impro to conduct s action to do	ports safely. Also	n health and phys , recognizes the s	ical strength. Also ignificance of colla	, have some leaborating and c	evel of self-discipline. coperating with the team and can		
Rubric									
			Ideal Level		Standard Level		Unacceptable Level		
Achievem	ent 1		improve their h	th. Have a high	Participate in clast their health and strength. Have s self-discipline.	physical	Reluctant to participate in classes, or improve their own health and physical strength. Do not have a high level of self-discipline.		
Achievem	ent 2		are very compe	pate in various and games, and etitive. Also have ce on games, etc.	Can actively part various sport pra games. And also for them.	ictices and	Do not participate in various sport practices and games.		
Achievement 3			Understand the well, and can h teamwork.	e role of a leader delp increase	Understand and take on the role	can play or of a leader.	Do not understand the role of a leader. Also, never play that role.		
Assigne	d Depar	tment Ob	jectives						
Teachin	g Metho	d							
Outline		the habit Students	of playing sports will split into gro Students can cho	on a daily basis. ups and leaders w	This class requires vill take the lead to	s an active and o plan, review,	h of sports so that they can build proactive attitude to participate. and implement the course basketball, volleyball, badminton,		
Style		they sho	uld learn the rules to develop more	s and how to play advanced techno	games, etc., and logies and improv	try to learn ba e teamwork th	o discover the fun of sports. First, sic skills. In addition, they are rough games and game-style I welcoming class.		
Notice		them, po Do no grade de Tardir but their If it is that class absence.	oints will be deduct t wear or bring action. less will be excuse attendance will be discovered that a s will be marked a	cted from their gracessories, watcher the first 20 see marked as abset student left class	nde. es, or any other un minutes. Student ent. e early without bei eir grade for previo	nnecessary iter s can participa ing excused (di ous classes wil	d clothing. If students fail to wear ms. These are also eligible for te in the class after 20 minutes, tching class), their attendance for suffer a deduction equal to an n.		
 Charact	eristics	of Class /	Division in Le	arning					
☑ Active	Learning		☐ Aided by IC	Т	☑ Applicable to	Remote Class	☐ Instructor Professionally Experienced		
C	Dlan								
Course	rian				Τ_	<u> </u>			
			Theme Guidance		U	ourse. Reackno	purposes and objectives of this owledge that warm-ups are		
		2nd	Guidance		U	ecessary to said Inderstand the ourse. Reacknown ecessary to said	purposes and objectives of this owledge that warm-ups are		
		3rd	Baseball, softball, basketball, volleyl	soccer, futsal, ten ball, badminton, t			p and practice, play games, and ass, led by a leader.		
1St Ouarter L		701	basketball, volleyl	soccer, futsal, ter ball, badminton, t	nnis, Cable tennis re	Can do warm-u eflect on the cl	p and practice, play games, and ass, led by a leader.		
Semeste r		501	basketball, volley	soccer, futsal, terball, badminton, t	able tennis re	eflect on the cl	p and practice, play games, and ass, led by a leader.		
				soccer, futsal, ten			p and practice, play games, and ass, led by a leader.		
		701	basketball, volleyl	soccer, futsal, tendall, badminton, to soccer, futsal, tendall	able tennis re	eflect on the cl	p and practice, play games, and ass, led by a leader. p and practice, play games, and		
	2nd	oui	basketball, volleyi	ball, badminton, to	able tennis re	eflect on the cl	ass, led by a leader.		
	Quartor	9th	baskothall vollovi	soccer, futsal, ter	ahla tannis S	plit into teams	in each sport and select a leader.		

		10th		Baseball, softball, soco basketball, volleyball,	cer, futsal, tennis, badminton, table tennis		Can do warm-up and proreflect on the class, led	actice, play games, and by a leader.	
		11th		Baseball, softball, soco basketball, volleyball,	cer, futsal, tennis, badminton, table tennis		Can do warm-up and proreflect on the class, led	actice, play games, and by a leader.	
		12th		Baseball, softball, soccer, futsal, tennis, basketball, volleyball, badminton, table tennis			Can do warm-up and practice, play games, and reflect on the class, led by a leader.		
		13th		Baseball, softball, soccer, futsal, tennis, basketball, volleyball, badminton, table tennis			Can do warm-up and practice, play games, and reflect on the class, led by a leader.		
		14th		Baseball, softball, soccer, futsal, tennis, basketball, volleyball, badminton, table tennis			Can do warm-up and practice, play games, and reflect on the class, led by a leader.		
		15th		Baseball, softball, soco basketball, volleyball,	cer, futsal, tennis, badminton, table tennis		Can do warm-up and proreflect on the class, led		
		16th		No final exam					
Evaluati	on Meth	od an	d W	Veight (%)					
			Аррі	roach to a class	Practical skill	Le	eadership	Total	
Subtotal	ubtotal		75		15	10	0	100	
Basic Prof	Basic Proficiency		75		0	0		75	
Specialize	d Proficien	су	0		0	0		0	
Cross Are	a Proficien	су	0		15	10	0	25	

Achievement 1 Actively participate in classes to improve their health and physical strength. Have a high level of self-discipline. Achievement 2 Actively participate in various sport practices and games, and are very competitive. Also have a great influence on games, etc. Understand the role of a leader well, and can help increase teamwork. Assigned Department Objectives Teaching Method The goal of this course is for students to learn more about the fun and depth of the habit of playing sports on a daily basis. This class requires an active and prostudents will split into groups and leaders will take the lead to plan, review, and content. Students can choose from: Baseball, softball, soccer, futsal, tennis, bat table tennis Students are encouraged to actively participate in games and practice and to dithey should learn the rules and how to play games, etc., and try to learn basic expected to develop more advanced technologies and improve their heads of them, points will be deducted from their grade. Do not wear or bring accessories, watches, or any other unnecessary items. Notice Actively participate in classes to improve their health and physical strength. Have some level of self-discipline. Can actively participate in various sport practices and games. And also have the skills for them. Understand and can play or take on the role of a leader. Understand and can play or take on the role of a leader. Understand and can play or take on the role of a leader. The goal of this course is for students to learn more about the fun and depth of the habit of playing sports on a daily basis. This class requires an active and proceed to participate in games and proceed and proceed to play the participate in games and practice and to dithey should learn the rules and how to play games, can, and try to learn basic expected to develop more advanced technologies and improve teamwork through the proceeding the playing sports on a daily basis. This class requires an active and proceeding the playing the particip	it: 1 I of self-discipline. Derating with the team and can be considered by the selection of the selection					
Class Format 講義・実技 Credits School Credit Department Mechanical Engineering Student Grade 1st Term Second Semester Classes per Week 2 Textbook and/or Teaching Materials Instructor GOTOH Takayuki,ISHIDA Masami Course Objectives Participate in classes to improve students' own health and physical strength. Also, have some level Can take action to conduct sports safely. Also, recognizes the significance of collaborating and cooptake the necessary action to do so. Rubric Ideal Level Standard Level Participate in classes to improve their health and physical strength. Have a high level of self-discipline. Actively participate in classes to improve their health and physical strength. Have a high level of self-discipline. Actively participate in various sport practices and games, and are very competitive. Also have a great influence on games, etc. Understand the role of a leader well, and can help increase treamwork. Achievement 3 Understand the role of a leader well, and can help increase treamwork. Assigned Department Objectives Teaching Method The goal of this course is for students to learn more about the fun and depth of the habit of playing sports on a daily basis. This class requires an active and prostudents will split into groups and leaders will take the lead to plan, review, and contents will split into groups and leaders will take the lead to plan, review, and solve the students can choose from: Baseball, softball, soccer, futsal, tennis, batable tennis Style Style Students are encouraged to actively participate in games and practice and to dithey should learn the rules and how to play games, etc., and try to learn basic expected to develop more advanced technologies and improve tearwork throu practice. Students and instructors should work together to create a safe and we they should be excused for the first 20 minutes. Students can participate in the processor of the processor of the service of the processor of the service and to dithey should be excused for the first 20 minutes. Students can pa	it: 1 I of self-discipline. Derating with the team and can be considered by the selection of the selection					
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Textbook and/or Teaching Materials Instructor GOTOH Takayuki,ISHIDA Masami Course Objectives Participate in classes to improve students' own health and physical strength. Also, have some level can take action to conduct sports safely. Also, recognizes the significance of collaborating and cooptake the necessary action to do so. Rubric Ideal Level Actively participate in classes to improve their health and physical strength. Have a high level of self-discipline. Achievement 1 Actively participate in classes to improve their health and physical strength. Have a high level of self-discipline. Achievement 2 Actively participate in various sport practices and games, and are very competitive. Also have a great influence on games, etc. Understand the role of a leader well, and can help increase to the habit of playing sports on a daily basis. This class requires an active and protection of the habit of playing sports on a daily basis. This class requires an active and protection of the habit of playing sports on a daily basis. This class requires an active and protection of the habit of playing sports on a daily basis. This class requires an active and protection of the habit of playing sports on a daily basis. This class requires an active and protection of the habit of playing sports on a daily basis. This class requires an active and protection of the habit of playing sports on a daily basis. This class requires an active and protection of the habit of playing sports on a daily basis. This class requires an active and protection of the habit of playing sports on a daily basis. This class requires an active and protection of the habit of playing sports on a daily basis. This class requires an active and protection of the habit of playing sports on a daily basis. This class requires an active and protection of the habit of playing sports on a daily basis. This class requires an active and protection of the habit of playing	Unacceptable Level Reluctant to participate in Plasses, or improve their own Plasses, or improve their Plasses, or impro					
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Actively participate in classes to improve their health and physical strength. Have a high level of self-discipline. Actively participate in various sport practices and games, and are very competitive. Also have a great influence on games, etc. Achievement 3 Actively participate in various sport practices and games, and are very competitive. Also have a great influence on games, etc. Understand the role of a leader well, and can help increase teamwork. Assigned Department Objectives Teaching Method The goal of this course is for students to learn more about the fun and depth of the habit of playing sports on a daily basis. This class requires an active and prostudents will split into groups and leaders will take the lead to plan, review, and content. Students can choose from: Baseball, softball, soccer, futsal, tennis, bat table tennis Students are encouraged to actively participate in games and practice and to dithey should learn the rules and how to play games, etc., and try to learn basic expected to develop more advanced technologies and improve teamwork throup practice. Students and instructors should work together to create a safe and we spected to develop more advanced training wear, athletic shoes, or other designated content, points will be deducted from their grade. • Wear school-designated training wear, athletic shoes, or other designated content, points will be deducted from their grade. • Do not wear or bring accessories, watches, or any other unnecessary items. • Tardiness will be excused for the first 20 minutes. Students can participate in the first 20 minutes. Students can participate in the first attendance will be marked as absent.	Reluctant to participate in classes, or improve their own health and physical strength. Do not have a high level of self-liscipline. Do not participate in various port practices and games. Do not understand the role of a leader. Also, never play that ole. If sports so that they can build oactive attitude to participate. If implement the course lisketball, volleyball, badminton,					
Achievement 1 Achievement 2 Achievement 2 Achievement 2 Achievement 2 Achievement 3 Achievement 3 Achievement 3 Achievement 3 Achievement 4 Achievement 5 Achievement 6 Achievement 7 Achievement 8 Achievement 9 Achievement 10 Achievement 9 Achievement 9 Achievement 2 Achievement 9 Achievement 9 Achievement 2 Achievement 9 Achievely participate in various sport practices and games. And also have the skills of them. Understand and can play or take on the role of a leader. But fell of them. Understand and can play or take on the role of a leader. But fell of them. Achievement 9 Achievely participate in various sport practices and games. And also have the skills of them. Douglames. And also have the skills of them. Understand and can play or take on the role of a leader. But fell of them. Achievely participate in various sport practices and games. And also have the skills of them. Dunderstand and can play or take on them. Understand and can play or take on the role of a leader. Achievement 9 The goal of this course is for students to learn more about the fun and depth of the habit of playing sports on a daily basis. This class requires an active and processor is will take the lead to plan, review, and content. Students can choose from: Baseball, softball, soccer, futsal, tennis, battalle tennis Students are encouraged to actively participate in games and practice and to did they should learn the rules and	classes, or improve their own health and physical strength. Do not have a high level of self-liscipline. Do not participate in various port practices and games. Do not understand the role of a leader. Also, never play that ole. If sports so that they can build oactive attitude to participate. If implement the course lisketball, volleyball, badminton, in the course lisketball in the course lisketball in the course lisketball, volleyball, badminton, in the course lisketball					
Achievement 2 sport practices and games, and are very competitive. Also have a great influence on games, etc. for them. Achievement 3 Understand the role of a leader well, and can help increase teamwork. Assigned Department Objectives Teaching Method The goal of this course is for students to learn more about the fun and depth of the habit of playing sports on a daily basis. This class requires an active and prostudents will split into groups and leaders will take the lead to plan, review, and content. Students can choose from: Baseball, softball, soccer, futsal, tennis, batable tennis Students are encouraged to actively participate in games and practice and to dithey should learn the rules and how to play games, etc., and try to learn basic expected to develop more advanced technologies and improve teamwork throu practice. Students and instructors should work together to create a safe and well-based them, points will be deducted from their grade. • Wear school-designated training wear, athletic shoes, or other designated clothem, points will be deducted from their grade. • Do not wear or bring accessories, watches, or any other unnecessary items. grade deduction. • Tardiness will be excused for the first 20 minutes. Students can participate in but their attendance will be marked as absent.	on not understand the role of a eader. Also, never play that ole. If sports so that they can build oactive attitude to participate. d implement the course isketball, volleyball, badminton,					
Achievement 3 well, and can help increase teamwork. Idea on the role of a leader. Idea o	eader. Also, never play that ole. f sports so that they can build oactive attitude to participate. d implement the course isketball, volleyball, badminton,					
Teaching Method The goal of this course is for students to learn more about the fun and depth of the habit of playing sports on a daily basis. This class requires an active and pro Students will split into groups and leaders will take the lead to plan, review, and content. Students can choose from: Baseball, softball, soccer, futsal, tennis, baseball tennis Students are encouraged to actively participate in games and practice and to die they should learn the rules and how to play games, etc., and try to learn basic expected to develop more advanced technologies and improve teamwork throup ractice. Students and instructors should work together to create a safe and we want to such them, points will be deducted from their grade. Do not wear or bring accessories, watches, or any other unnecessary items. grade deduction. Tardiness will be excused for the first 20 minutes. Students can participate in the parked as absent.	oactive attitude to participate. d implement the course sketball, volleyball, badminton,					
Outline The goal of this course is for students to learn more about the fun and depth of the habit of playing sports on a daily basis. This class requires an active and pro Students will split into groups and leaders will take the lead to plan, review, and content. Students can choose from: Baseball, softball, soccer, futsal, tennis, battable tennis Students are encouraged to actively participate in games and practice and to di they should learn the rules and how to play games, etc., and try to learn basic expected to develop more advanced technologies and improve teamwork throu practice. Students and instructors should work together to create a safe and we Wear school-designated training wear, athletic shoes, or other designated clothem, points will be deducted from their grade. Do not wear or bring accessories, watches, or any other unnecessary items. grade deduction. Tardiness will be excused for the first 20 minutes. Students can participate in but their attendance will be marked as absent	oactive attitude to participate. d implement the course sketball, volleyball, badminton,					
Outline the habit of playing sports on a daily basis. This class requires an active and pro Students will split into groups and leaders will take the lead to plan, review, and content. Students can choose from: Baseball, softball, soccer, futsal, tennis, baseball tennis Students are encouraged to actively participate in games and practice and to did they should learn the rules and how to play games, etc., and try to learn basic expected to develop more advanced technologies and improve teamwork throut practice. Students and instructors should work together to create a safe and we will be deducted from their grade. Wear school-designated training wear, athletic shoes, or other designated class them, points will be deducted from their grade. Do not wear or bring accessories, watches, or any other unnecessary items. grade deduction. Tardiness will be excused for the first 20 minutes. Students can participate in but their attendance will be marked as absent.	oactive attitude to participate. d implement the course sketball, volleyball, badminton,					
Style they should learn the rules and how to play games, etc., and try to learn basic expected to develop more advanced technologies and improve teamwork throu practice. Students and instructors should work together to create a safe and we • Wear school-designated training wear, athletic shoes, or other designated clothem, points will be deducted from their grade. • Do not wear or bring accessories, watches, or any other unnecessary items. grade deduction. • Tardiness will be excused for the first 20 minutes. Students can participate in but their attendance will be marked as absent	f playing sports on a daily basis. This class requires an active and proactive attitude to participate. vill split into groups and leaders will take the lead to plan, review, and implement the course tudents can choose from: Baseball, softball, soccer, futsal, tennis, basketball, volleyball, badminton, s					
them, points will be deducted from their grade. • Do not wear or bring accessories, watches, or any other unnecessary items. grade deduction. • Tardiness will be excused for the first 20 minutes. Students can participate in but their attendance will be marked as absent	Id learn the rules and how to play games, etc., and try to learn basic skills. In addition, they are to develop more advanced technologies and improve teamwork through games and game-style students and instructors should work together to create a safe and welcoming class. Chool-designated training wear, athletic shoes, or other designated clothing. If students fail to wear					
 If it is discovered that a student left class early without being excused (ditching that class will be marked as absent, and their grade for previous classes will suit absence. Students who miss 1/4 or more of classes will not be eligible for evaluation. 	These are also eligible for n the class after 20 minutes,					
Characteristics of Class / Division in Learning						
□ Aided by ICT □ Applicable to Remote Class	☐ Instructor Professionally experienced					
Course Plan						
Theme Goals						
1st Baseball, softball, soccer, futsal, tennis, basketball, volleyball, badminton, table tennis	each sport and select a leader.					
2nd Health (joint class with Hyogo University Reflect on their own Department of Nursing) opportunity to reco	n health and take the onsider their future lifestyles.					
	nd practice, play games, and					
	nd practice, play games, and					
919	nd practice, play games, and					
Semeste Basketball, Volleyball, Badrillitori, table termis Terrect of the class,	nd practice, play games, and					
	nd practice, play games, and					
Baseball, softball, soccer, futsal, tennis. Can do warm-un ar	, ica by a icauci.					
9th Baseball, softball, soccer, futsal, tennis, Split into teams in e	nd practice, play games, and					
4th Quarter 10th Basketball, volleyball, badminton, table tennis Can do warm-up ar basketball, volleyball, badminton, table tennis creflect on the class,	nd practice, play games, and , led by a leader. each sport and select a leader.					

						_			
		11th		Baseball, softball, socobasketball, volleyball,	cer, futsal, tennis, badminton, table tennis		Can do warm-up and preflect on the class, led I	actice, play games, and by a leader.	
	12th			Baseball, softball, socobasketball, volleyball,	cer, futsal, tennis, badminton, table tennis		Can do warm-up and practice, play games, are reflect on the class, led by a leader.		
		13th					Can do warm-up and practice, play games, and reflect on the class, led by a leader.		
		14th					Can do warm-up and proreflect on the class, led I	actice, play games, and by a leader.	
	15th			Baseball, softball, soccer, futsal, tennis, basketball, volleyball, badminton, table tennis			Can do warm-up and proreflect on the class, led I	actice, play games, and by a leader.	
		16th		No final exam					
Evaluati	on Meth	od ar	nd W	Veight (%)					
				roach to a class	Practical skill	Le	eadership	Total	
Subtotal	Subtotal		75		15	10)	100	
Basic Proficiency 7		75	_	0	0		75		
Specialized Proficiency 0		0		0	0		0		
Cross Area	a Proficien	су	0		15	10		25	

А	.kashi Co	ollege	Year	2023			ourse Title	English I A-1
Course	Informa	tion	I				TICIC	
Course Co		5113			Course Catego	rv	General /	Compulsory
Class Forr		Lecture			Credits	. /	School Cr	
Departme			ical Engineering		Student Grade		1st	
Term		First Se			Classes per We	eek		
Textbook Teaching		New Ra	ys English Comm	unication I / New F	Rays WORKBOO	K		
Instructor	-	AKIMOT	O Hiromi					
1) To revi use it app 2) To revi study guid 3) To revi appropria 4) Can rev	propriately iew the gr delines. iew senter tely, follow ad senten	cabulary le ammar lea nces structi ving the hi ces written	rned at junior hig ures learned in ju gh school learning in English, under	h school, and learn nior high school, a guidelines. stand the text out	n to use grammand learn to use soline, read and ex	ar rules senteno xtract r	appropria ce structur	gh school learning guidelines, and ately, according to the high school res and operate them aformation. d communicate to the listener.
Rubric								
			Ideal Level		Standard Level			Unacceptable Level
Achievement 1			new vocabula	as well acquired ry following the arning guidelines ropriately.	The student havocabulary folloschool learning use it appropri	owinġ t j guidel	he high	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 had grammar rules according to the study guideline	apprope high	oriately,	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, nigh school lines.	The student has learned to use sentence structures and operate them appropriately, following the high school learning guidelines.			The student has not learned to use sentence structures and operate them appropriately, following the high school learning guidelines.
Achievement 4			sentences writ understand th			ish, un e, read	sentences derstand and ormation.	The student can not read sentences written in English, understand the text outline, read and extract necessary information.
Achievem	ent 5		English pronul accent rules so can speak clea				skills and ne student	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 Denar	tment O	bjectives		,			
	g Metho		5,000,705					
Outline	9 1 100110	Based o	reading skills. To	school learned con acquire the ability abulary knowledge	to listen and ex	and the	e basic str imple Eng	ucture of English sentences and lish sentences. To perform word
Style		Attend t	the classes, prepa	re for the classes s	studvina the rele	evant s	ections of	the workbook.
,			•	in the first week. tudent vocabulary				tanu it iii uetali.
Notice	orictics	Student	s who miss 1/4 o	r more of classes v	vill not be eligibl	e for e	valuation.	
□ Active		or Class ,	/ Division in Le		☑ Applicable t	o Remo	ote Class	☐ Instructor Professionally Experienced
			I		1			1=poo
Course	Plan							
200.00			Theme			Goals		
		1st	Course guidance				stand cour	rse content and assignments.
		2nd	(Course progress Chapter 1 Part 1	s method, learning /2	metnod, etc.)	Based	on the co	ntent learned in junior high school
		3rd	Chapter 1 Part 2			Based	on the co	ish language basic structure. ntent learned in junior high school
1st		4th	Chapter 1 Part 4			Under	standing t	ish language basic structure. he cross-cultural communication
Semeste r	1st Quarter	5th	Language and Control Chapter 2 Part 1			Based	on the co	ic materials. ntent learned in junior high school
		6th	Chapter 2 Part 2			Based	on the co	ish language basic structure. ntent learned in junior high school
		7th	Chapter 2 Part 4 Language and Ci			Under	standing t	ish language basic structure. he cross-cultural communication ic materials.
		8th	Chapter 3 Part 1			Learn	the vocab	ulary and grammar rules set as
				•		pesson	tasks.	

		9th	Chapter 3 Part 2/	/3		Learn the voca lesson tasks.	Learn the vocabulary and grammar rules set as lesson tasks.			
		10th	Chapter 3 Part 4 Language and Cu	ılture Worksho	ор	Learn the voca lesson tasks.	Learn the vocabulary and grammar rules set as lesson tasks.			
		11th	Chapter 4 Part 1/	/2		Learn the voca	Learn the vocabulary and grammar rules set as lesson tasks.			
	2nd Quarter	12th	Chapter 4 Part 2/	/3		Learn the voca lesson tasks.	Learn the vocabulary and grammar rules set as lesson tasks.			
		13th	Chapter 4 Part 4			Learn the voca lesson tasks.	abulary and gra	nmmar rules set as		
		14th	Review			Understanding learned so far	Understanding the weak points on the content learned so far and preparing for the exam.			
		15th	Q & A			Understanding learned so far	the weak poin and preparing	its on the content for the exam.		
		16th	Final exam				Test the student understanding of the content learned so far.			
Evaluati	ion Me	thod and	Weight (%)							
	Е	xamination	Assignments	Quizes	Behavior	Portfolio	Other	Total		
Subtotal	5	0	10	40	0	0	0	100		
Basic Proficienc	_{cy} c		10			0	0	50		
Specialize Proficienc			0	0	0	0	0	0		
Cross Are Proficienc		0	0	0	0	0	0	50		

А	.kashi Co	ollege	Year	2023		Course Title	English I A-2				
Course	Informa	tion				Title	L				
Course Co		5114			Course Category	/ Gener	al / Compulsory				
Class Forr	mat	Lecture			Credits	Schoo	l Credit: 1				
Departme	ent	Mechan	ical Engineering		Student Grade						
Term		Second	Semester		Classes per Wee	ek 2					
Textbook Teaching	Matérials		, 3	unication I / New F	Rays WORKBOOK						
Instructor			O Hiromi								
1) To revi use it app 2) To revi study guid 3) To revi appropria 4) Can rev	ropriately ew the gradelines. ew senter tely, follow ad senten	cabulary lea ammar lea nces structiving the hip ces written	rned at junior hig ures learned in ju gh school learning in English, under	h school, and learn nior high school, a guidelines. stand the text out	n to use grammal nd learn to use se line, read and ext	rules appro entence structract necessa	e high school learning guidelines, and priately, according to the high school ctures and operate them ary information.				
Rubric											
			Ideal Level		Standard Level		Unacceptable Level				
Achievement 1			new vocabular high school lea and use it app		The student has vocabulary follogschool learning use it appropria	wing the higl guidelines ar	h Inew vocabulary following the				
Achievem	ent 2		use grammar appropriately,	as well learned to rules according to the udy guidelines.	The student has grammar rules a according to the study guidelines	appropriately high school	, use grammar rules				
Achievement 3			use sentence soperate them following the h	The student has well learned to use sentence structures and operate them appropriately, following the high school learning guidelines. The student has well learned to sentence st them appropriately, them appropriately, guidelines.			rate use sentence structures and				
Achievement 4			understand th	sentences written in English, understand the text outline, read and extract necessary information.		h, understar read and	understand the text outline,				
Achievem	ent 5		English pronur accent rules so can speak clea	le student has well acquired glish pronunciation skills and ent rules so that the student a speak clearly and nmunicate to the listener. The student has guired English pronun accent rules so can speak clear communicate to the listener.			lent accent rules so that the student can speak clearly and				
Assiane	d Depar	tment Ol	bjectives								
	g Metho		- y								
Outline	<u>g : 100.10</u>	Based o	reading skills. To	acquire the ability	to listen and exp	nd the basic ress simple I	structure of English sentences and English sentences. To perform word				
Style				abulary knowledge re for the classes s in the first week.		ant sections	of the workbook. derstand it in detail.				
Notice		Use quiz	zzes to increase s	tudent vocabulary r more of classes v	and develop liste	ning ability.					
Charact	eristics (of Class /	Division in Le	earning							
☐ Active		,	☐ Aided by I	<u>-</u>	☑ Applicable to	Remote Clas	ss Instructor Professionally Experienced				
Course	Plan										
			Theme		10	Goals					
		1st	Go over the prev	ious lessons			e weak points				
		2nd	Chapter 5 Part 1		ı	_earn the vo	cabulary and grammar rules set as				
		3rd	Chapter 5 Part 2,		ı	esson tasks. _earn the voo esson tasks.	cabulary and grammar rules set as				
		4th	Chapter 5 Part 4 Language and Cu	ulture Workshop	ı	Jnderstandir	ng the cross-cultural communication nentic materials.				
2nd Semeste	3rd Quarter	5th	Chapter 6 Part 1,	·	I		cabulary and grammar rules set as				
r		6th	Chapter 6 Part 2,	/3		earn the vocesson tasks.	cabulary and grammar rules set as				
		7th	Chapter 6 Part 4 Language and Cu	ulture Workshop	l t	Jnderstandir through auth	ng the cross-cultural communication entic materials.				
		8th	Chapter 7 Part 1,	/2	t	through auth	ng the cross-cultural communication nentic materials.				
	4th Ouarter	9th	Chapter 7 Part 2,	Chapter 7 Part 2/3			Learn the vocabulary and grammar rules set as lesson tasks.				

		10th	Chapter 7 Part 4 Language and Cu	ılture Worksh	ор	Learn the voc lesson tasks.	Learn the vocabulary and grammar rules set as lesson tasks.			
		11th	Chapter 8 Part 1/	′2		Learn the voc lesson tasks.	abulary and gra	mmar rules set as		
1		12th	Chapter 8 Part 2/	′3		Learn the voc lesson tasks.	abulary and gra	mmar rules set as		
	13th C		Chapter 8 Part 4			Learn the voc lesson tasks.	abulary and gra	mmar rules set as		
		14th	Review			Understanding learned so far	g the weak poin and preparing	ts on the content for the exam.		
	15th		Q & A			Understanding learned so far	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 Me	ethod and	l Weight (%)							
		Examination	n Assignments	Quizes	Behavior	Portfolio	Other	Total		
Subtotal		50	10	40	0	0	0	100		
Basic Proficienc	cy	0	10	40	0	0	0	50		
Specialize Proficienc		0	0	0	0	0	0	0		
Cross Are Proficienc		50	0	0	0	0	0	50		

А	.kashi Co	ollege	Year	2023		Course Title	English I B-1				
Course	Informa	tion				Title	1 -				
Course Co		5115			Course Categor	v General	/ Compulsory				
Class Forr	nat	Lecture			Credits	School (
Departme	ent	Mechani	cal Engineering		Student Grade	1st					
Term		First Ser	mester	Lancard Res Control Programme							
Textbook Teaching	Materials			参考書、教科書、Wo	orkbook) (2) デ	ータベース 5th	Edition (3) ネクステージ				
Instructor			WA Chiho								
1) To reviuse it app 2) To revistudy guid 3) To reviappropria 4) To acq	propriately lew the gridelines. lew senter tely, follow	cabulary le ammar lear nces structu ving the hid	rned at junior hig ires learned in jui ih school learning	h school, and learr nior high school, and guidelines.	n to use gramma nd learn to use s	r rules approprentence structi	nigh school learning guidelines, and iately, according to the high school ures and operate them nd communicate to the listener.				
Rubric			Ideal Level		Standard Level		Unacceptable Level				
			The student ha	as well acquired ry following the	The student has vocabulary follo						
Achievem	ent 1		high school lea and use it app	arning guidelines ropriately.	school learning use it appropria	guidelines and itely.	high school learning guidelines and use it appropriately.				
Achievem	ent 2		use grammar	as well learned to rules according to the udy guidelines.	The student has grammar rules according to the study guidelines	appropriately, e high school	The student has not learned to use grammar rules appropriately, according to the high school study guidelines.				
Achievement 3			The student has use sentence operate them following the harning guide	appropriately, nigh school	The student has sentence struct them appropria the high school guidelines.	ures and opera tely, following					
Achievem	ent 4		English pronur accent rules so can speak clea	The student has well acquired English pronunciation skills and accent rules so that the student can speak clearly and communicate to the listener. The student has well acquired English pronunciate to accent rules so can speak clearly and communicate to the listener.		ciation skills and that the studer ly and					
Assigne	d Depar	tment Ob	piectives				·				
	g Metho										
Outline		acquire	the ability to liste	school learned con n and express sim	tent, to understa ple English sente	and the basic stences. To perfor	ructure of English sentences. To m word tests and strengthen				
Style				 knowledge. classes, prepare for the classes studying the rele 			f the workhook				
		Use guiz	zes to increase s	e classes, prepare for the classes studying the rele es to increase student vocabulary and develop list							
Notice		classes v	will not be eligible	for evaluation.	·		•				
Charact	eristics	of Class /	Division in Le	earning	T						
□ Active	Learning		☑ Aided by IO	CT	☑ Applicable to	Remote Class	☐ Instructor Professionally Experienced				
Course	Plan										
			Theme			Goals					
		1st	Course summary	explanation_		Understand the	e class schedule				
		2nd	Lesson 1 & 2			Learn the voca lesson tasks.	bulary and grammar rules set as				
		3rd	Lesson 3 & 4			lesson tasks.	bulary and grammar rules set as				
	1st	4th	Lesson 5 & 6			lesson tasks.	bulary and grammar rules set as				
	Quarter	5th	Review			learned so far.	the weak points on the content				
1st		6th	Review			learned so far.	the weak points on the content				
Semeste r		7th	Lesson 7 & 8			lesson tasks.	bulary and grammar rules set as				
		8th	Lesson 9 &10			lesson tasks.	bulary and grammar rules set as				
		9th	Lesson 11 & 12			lesson tasks.	bulary and grammar rules set as				
	2nd	10th	Review			learned so far.	the weak points on the content				
	Quarter	11th	Lesson 13 & 14			lesson tasks.	bulary and grammar rules set as				
		12th	Lesson 15 & 16			Learn the voca lesson tasks.	bulary and grammar rules set as				

		13th					Learn the vocabulary and grammar rules set as lesson tasks.		
	14th 15th		Lesson 19 & 20				Learn the vocabulary and grammar rules set as lesson tasks.		
			Revie	Review			Understanding the weak learned so far and prepared	points on the content aring for the exam.	
		16th End term exam		erm exam			Test the student understanding of the content learned so far.		
Evaluati	on Meth	od an	d Weigh	nt (%)					
			Examinati	amination Short Tests		C	Others	Total	
Subtotal			60		0	4	10	100	
Basic Proficiency			60		0	4	10	100	
Specialized Proficiency		су	0		0	0)	0	
Cross Area	a Proficien	су	0		0	0)	0	

	1 1:0			2022		Course	E 1:1. T.D.2			
Akashi College			Year	2023		Title	English I B-2			
	<u>Informa</u>						16			
Course Co		5116 Lecture			Course Categor Credits	<i>'</i>	/ Compulsory Credit: 1			
Departme			cal Engineering		Student Grade	1st	credit. 1			
Term			Semester			Classes per Week 2				
Textbook Teaching		(1) 総合	英語 Evergreen(参考書、教科書、Wo	orkbook) (2) デ	ータベース 5th	Edition (3) ネクステージ			
Instructor			VA Chiho							
1) To reviuse it app 2) To revistudy guid 3) To reviappropria	ropriately iew the gr delines iew senter tely, follow	cabulary lea ammar lear nces structu	ned at junior hig res learned in jun	h school, and learr nior high school, and a guidelines.	n to use gramma nd learn to use s	r rules appropi entence struct	nigh school learning guidelines, and riately, according to the high school ures and operate them and communicate to the listener.			
Ideal Level Standard Level Unacceptable Level										
Achievem	ent 1		new vocabular high school lea and use it app		The student has vocabulary follo school learning use it appropria	wing the high guidelines and	new vocabulary following the			
Achievement 2			use grammar	as well learned to rules according to the udy guidelines.	The student has grammar rules according to the study guidelines	appropriately, e high school	e The student has not learned to use grammar rules appropriately, according to the high school study guidelines.			
Achievement 3			The student has use sentence soperate them following the hadron guide	appropriately, nigh school	The student has sentence struct them appropria the high school guidelines.	ures and opera				
Achievem	ent 4		English pronur accent rules so can speak clea			ciation skills an that the stude ly and				
Assigne	d Depar	tment Ob	jectives							
Teachin	g Metho	d								
Outline		acquire t	n the junior high the ability to liste ary knowledge.	school learned con n and express sim	tent, to understa ple English sente	and the basic s ences. To perfo	tructure of English sentences. To rm word tests and strengthen			
Style				re for the classes s	studying the rele	vant sections o	of the workbook.			
Notice		Use quiz	zes to increase st	tudent vocabulary	and develop liste	ening ability. St	cudents who miss 1/4 or more of			
	a wiati a a		vill not be eligible							
		or Class /		Division in Learning			Instructor Professionally			
☐ Active	Learning		☑ Aided by IC	CT	☑ Applicable to	Remote Class	Experienced			
Course	Plan									
			Theme			Goals				
		1st	Course summary	explanation			e class schedule			
		2nd	Lesson 21 & 22			Learn the voca lesson tasks.	bulary and grammar rules set as			
		3rd	Lesson 23 & 24			Learn the voca lesson tasks.	bulary and grammar rules set as			
	3rd	4th	Lesson 25 & 26			Learn the voca lesson tasks.	bulary and grammar rules set as			
	Quarter	5th	Review			learned so far.				
2nd		6th	Lesson 27 & 28			lesson tasks.	bulary and grammar rules set as			
Semeste r		7th	Lesson 29 & 30			lesson tasks.	bulary and grammar rules set as			
		8th	Lesson 31 & 32			lesson tasks.	bulary and grammar rules set as			
		9th	Lesson 33 & 34			lesson tasks.	bulary and grammar rules set as			
	4th	10th	Review			learned so far.	the weak points on the content			
	Quarter	11th	Lesson 35 & 36			lesson tasks.	bulary and grammar rules set as			
		12th	Lesson 37 & 38			Learn the voca lesson tasks.	bulary and grammar rules set as			

						_			
		13th		Lesson 39 & 40			Learn the vocabulary an lesson tasks.	d grammar rules set as	
	14th 15th			Lesson 41 & 42			Learn the vocabulary and grammar rules set as lesson tasks.		
				Review			Understanding the weak points on the content learned so far and preparing for the exam.		
		16th End term exam		End term exam			Test the student understanding of the content learned so far.		
Evaluati	on Meth	od an	d V	Veight (%)					
			Examination		Short Tests	Ot	thers	Total	
Subtotal			60		0	40)	100	
Basic Prof	asic Proficiency		60		0	40)	100	
Specialized Proficiency		су	0		0	0		0	
Cross Are	a Proficien	су	0		0	0		0	

А	kashi Co	ollege	Year	2023		Course Title	Introduction to Active Learning	
Course	Informa	tion		•				
Course Co	ode	5117			Course Categor	y General	/ Compulsory	
Class Forr	mat	Seminar			Credits	School C	Credit: 1	
Departme	ent	Mechanic	cal Engineering		Student Grade	1st		
Term		First Sen	nester		Classes per We	ek 2		
Textbook Teaching		A separa	te handout will b	e provided.				
Instructor	<u> </u>	TAKEDA	Naho,HIRANO M	asatsugu,MIZUNC) Yuki			
Students and acting Students learning t Based on 1) You ca 2) You ca 3) You ca	g with oth learn about the purport to comment of the purport of the purport of the comment of the comment of the purport of the comment of th	e mind, kno ers. ut the idea o optimal solu se of the ab	of building relatio utions. pove subjects, the		ach other, work o	on problem solv	interests and interests, thinking ing as a team, and experience ed.	
Rubric			1		T			
			Excellent		Good		Insufficient	
Achievem			others.	nmunicate with	Try to commun others.		Don't try to communicate with others.	
Achievem	ent 2		Be able to liste		Try to listen to	others.	Don't listen to others.	
Achievem		yourseir.		k dack on	Try to look back	k on yourself.	Don't look back on yourself.	
Assigne	d Depar	tment Ob	jectives					
Teachin	g Metho	od						
Outline		right solu series of	utions for them".	The purpose of the	nis class is to acqu	uire basic skills	o their own problems and find the in learning at KOSEN through a ing on problem solving as a team,	
Style		judged bevaluated thinking your thou	y the deliverable d in each delivera ability to organiz ughts after receiv faculty members	is of group work a able, such as the e the path to the ving the other per s in charge of the	nd individual wor expressive power answer that you son's feedback. class plan will sha	k in the lecture transmitted to gave, and the interest to gave the lecture.		
Notice		Classes a speaking reason, i The over	are developed us out your own id t is necessary to all evaluations w	eas and listening actively participat	r learning method carefully to the vote te in the process on reports, 20% o	l, focusing on d pices of others, of creating a pla on presentation	iscussions between students. By learning becomes richer. For this ace of learning together. In any feedback, and 40% on in-	
Charact	eristics	of Class /	Division in Le	earning				
☑ Active	Learning		☑ Aided by IO	CT	☑ Applicable to	Remote Class	☐ Instructor Professionally Experienced	
Course	Plan							
			Theme			Goals		
		1st	Orientation (All i	nstructors)		To understand course.	the outline and purpose of the	
		2nd	Introduce yourse (Takeda and Ara	elf & get to know 6 ki)		To learn about together.	the students who take this course	
		3rd	Scientific writing	(Takeda)		make a sentend mains, and con	ely cite the underlying paper and ce consisting of introductions, clusions to show their claims.	
	1st	4th	Basic of problem	definition (Taked	a)	Can propose a idea method af present state a	solution to the problem using the ter defining the problem by the nd the clear culture of the target.	
1st	Quarter	5th	Application of pro	oblem definition (Araki)	Can examine problem definitions and solutions based on interviews with others by utilizing problem definition technology and ideas		
Semeste r		6th	Communication (① (Araki)			d and practice the techniques of uestioning necessary for interactive	
		7th	Communication (② (Ando)		Can understand methods neces issues.	d and practice the discussion sary to discuss various issues and	
			Teamwork ① (H	irano)		To practice lear	ning with your peers.	
		9th	Teamwork ② (H	irano)			blem solving as a team.	
	2nd Quarter	10th	Question without	t the answer: Soci		Can understand the various methods for analyzing objects in a complex and uncertain		
	Quarter				, - (,	sociéty.		

	12th	Question with	nout the answer: Scie	nce① (Ando)	collab	ences between speciali: lationship between sci	ng commonalities and zed fields based on	
	13th	Question without the answer: Science② (Ando)			Can understand methods for communicating questions and answers based on the relationship between science and technology and society			
	14th	Class plannin	g① (Takeda)		Can re	eflect on their learning n to others how to lea	in this course and on in the future.	
	15th	Class plannin	g② (Takeda)		Can reflect on their learning in this course and propose to others how to learn in the future.			
	16th	Half-year rev	iew (final report)		To write about your own practice and plans for the future, in line with your half year study.			
Evaluation Metho	od and	Weight (%)						
	Reports	3	Presentations and feedback	Reflection		Effort status for classes	Total	
Subtotal	30		20	30		20	100	
基礎的能力	10		10	20		10	50	
分野横断的能力	20		10	10		10	50	

А	.kashi Co	ollege	Year	2023		Course Title	Introduction to Data Science	
Course	Informa	tion				1 Hue	JUICHUC	
Course Co		5118			Course Categor	y General	/ Compulsory	
Class Forr		Lecture			Credits	School (· · · · · · · · · · · · · · · · · · ·	
Departme			al Engineering		Student Grade	1st	Sicure. 1	
Term		First Sem			Classes per We			
Textbook Teaching					,			
Instructor	-	TSUCHID	A Takayuki,NON	IURA Hayato				
Course	Objectiv	es						
intelligeno Can expla Can expla	ce. in an over in an over	view of com	puters and netwrmation security		cvberattacks and	defense.	ne learning, and artificial e (Python).	
Rubric								
			Ideal Level		Standard Level		Unacceptable Level	
Achievem	ent 1		and applicatio	ain an overview n examples of chnology, such as learning, and gence	Can explain an application examinformation tector, machine leartificial intellige	mples of hnology, such a earning, and	Cannot explain an overview and application examples of information technology, such as IoT, machine learning, and artificial intelligence	
Achievem	ent 2		computers an		computers and	networks	Cannot explain an overview of computers and networks	
Achievem	ent 3		information se	ain an overview of curity and yberattacks and	Can explain an information sec examples of cyl defense	curity and	Cannot explain an overview of information security and examples of cyberattacks and defense	
Assigne	<mark>d Depa</mark> r	tment Obj	jectives					
Teachin	g Metho	d						
Outline Style		real-work other pra conducted developm Students examples	d issues and how ctical examples d by a faculty ment. will learn inform). Ouizzes will b	v to resolve them of the society by utilizing the society by utilizing the society by the societ	appropriately thr ng mathematics, een engaged at a iteracy (knowled r lesson to test st	ough exercises, data science, company in m	sal data such as "IoT," "big data," ence/AI." Students will learn about , using real data and issues, and and AI. This lecture will be iddleware (database) research and tures, and study of practical tanding. Students will be evaluated	
Notice				mitted work which more of classes w		o for a pagging	arada	
Notice	orieties :				wiii not be eligible	e ioi a passirig	grade.	
Charact	eristics (or Class /	Division in Le	earning	T		To the state of Description III.	
☑ Active	Learning		☑ Aided by I	CT	☑ Applicable to	Remote Class	☑ Instructor Professionally Experienced	
Course	Plan							
200130		П	heme			Goals		
		1st a	he relationship	between informati ment, and the com nology	on technology nponents of	Can explain the systems in sche examples of inf machine learni department (M	e rules for using information ools. Can explain application formation technology, such as IoT, ng, and artificial intelligence in each ECA). Can explain the components technology and relevant laws and	
		2nd N	Application exam MECA and an ov echnology used	pples of information erview of the infor (1)	n technology in mation	Can explain examples in Department M		
1st Semeste r	1st Quarter	3rd N	Application exam MECA and an ov echnology used	ples of information erview of the infor (2)	n technology in mation	(infrastructure turbines and G security and co	amples in Department C maintenance using IoT: motorway IS), Department A (building ontemporary art), etc., and an e information technology being	
		4th N	Application exam MECA and an ove echnology used	uples of information perview of the infor (3)	n technology in mation		e details of the information d in MECA cases	
			<u> </u>	ınsupervised learn		Can explain ma labeled data	achine learning with or without	
		6th F	Regression analy	sis		Can explain red	gression analysis	
		7th F	Review			Reflection on s	tudies so far	
		8th	1utual Evaluatio	ns between studer	nts	Mutual Evaluat	ions between students	

		9th	Computer fundan	nentals (1)		Understand th what "calculat	e structure of a	a computer, and er means.		
		10th	Computer fundan	nentals (2)		Understand th	Understand the role of an operating system.			
		11th	Network fundame	entals (1)			Understand the roles of information and communication networks in society.			
	2nd Quarter 12th		Network fundame	entals (2)		Understand ne mechanisms.	Understand network configurations and			
		13th	Information secur	rity fundamental	s	Understand th	e need for info	rmation security.		
		14th	Cyberattacks and	defense (1)		Understand th	e major attack	tactics.		
		15th	Cyberattacks and	defense (2)		Understand de	efense tactics a	gainst attacks.		
		16th	Final exam			None				
Evaluation	on Metl	hod and \	Weight (%)							
	Ex	amination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total		
Subtotal	0		0	0	0	100	0	100		
Basic Proficiency	, 0		0	0	0	40	0	40		
Specialized Proficiency	d /		0	0	0	40	0	40		
Cross Area Proficiency			0	0	0	20	0	20		

А	kashi Co	ollege Year 2023		2023			ourse Title	Exercise in Data Science	
Course	Informa	tion	•						
Course Co	ode	5119			Course Categor	у	General /	Compulsory	
Class For	mat	Lecture			Credits		School C	redit: 1	
Departme	ent		al Engineering		Student Grade		1st		
Term	17	Second S	Semester		Classes per We	ek	2		
Textbook Teaching									
Instructor	r	TSUCHID	A Takayuki,NOM	URA Hayato,ENON	MOTO Ryuji				
Can explaintelligend Can explaintelligend Can explaintelligend Can execu	ce. ain an over ain an over	view and apview of comview of info	nputers and networmation security		cyberattacks and	l defens	se.	e learning, and artificial (Python).	
Rubric			1		1				
			Ideal Level		Standard Level			Unacceptable Level	
Achievem	ent 1		and application	chnology, such as earning, and	Can explain an application exar information tecl IoT, machine le artificial intellige	mples on the second sec	of y, such as	Cannot explain an overview and application examples of information technology, such as IoT, machine learning, and artificial intelligence	
Achievem	ent 2		Can fully expla	in an overview of I networks	Can explain an computers and			Cannot explain an overview of computers and networks	
Achievem	ent 3		information se	in an overview of curity and /berattacks and	Can explain an information sec examples of cyldefense	curity a	Cannot explain an overview of information security and examples of cyberattacks and defense		
Assigne	d Depar	tment Ob	jectives						
Teachin	g Metho	d							
Outline		real-worl other pra conducte developn Students Quizzes v	d issues and how actical examples in displaying the	n to resolve them a n society by utilizi ember who has be gramming, data a every lesson to to	appropriately thr ng mathematics, en engaged at a nalytics, and ana est students' und	rough e , data s i compa alvsis w	xercises, science, a any in mid ith exami	Il data such as "IoT," "big data," nce/AI." Students will learn about using real data and issues, and nd AI. This lecture will be ddleware (database) research and oles using the Python program. dents will be evaluated based on	
Notice				ork which serve as more of classes v		e for a	passing g	rade.	
Charact	eristics		Division in Le						
☑ Active	Learning	•	☑ Aided by IC	T .	☑ Applicable to	o Remo	te Class	☐ Instructor Professionally Experienced	
Course	Plan								
250.50		-	Theme			Goals			
		1 1	Introduction to p	rogramming (1)		Learn I	Python pr	ogramming syntax	
		2nd 1	Introduction to p	rogramming (2)		Learn I	Python pr	ogramming syntax	
		3rd	Introduction to p	rogramming (3)		Learn I	Python pr	ogramming syntax	
		4th I	Deep learning			Learn a	about impe of samp	elementing deep learning through le codes	
	3rd Quarter	5th I	Data science for	control system		Learn a point o also gi	about ove of view of ven to ap	erview of deep learning from the control system, and attention is plied problems in control system	
		6th	Data Visualization	า		Can de server	emonstrat	e data visualization using a web	
2nd		7th	Statistical analysi	s (1)		Can de	monstrat	e a simple regression analysis	
Semeste r		8th	Statistical analysi between students	s (2) · Mutual Eva	luations	Can de Mutual	monstrat Evaluatio	e simple clustering (k-means) • ons between students	
		9th (Computer configu	uration and progra	ımming	Check	a comput nance by g a simpl	er's configuration and obtaining system information and e benchmark with the use of	
	4th	10th I	Parallel processin	g		Learn l	now to wi	rite and execute parallel thon to speed up your program	
	Quarter	11th	Automated file pr	rocessing		Autom to opti	ate file pr mize simp	ocessing in Python and learn how ble tasks	
		12th	Automated web i	nformation retriev	al	Learn a automa Python	atically re	o scraping, a method for trieving web information in	

		13th	N	Network processing (1)			Learn how to aut programming	omate web-relat	ed tasks by	
		14th	N	etwork processir	ng (2)		Learn more about handling Internet communication through Python			
		15th	ith Security and summary of studies			Reproduce vulnerable websites in Python and learn about the need for security by verifying their 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	40	0	40	
Cross Area Proficiency		0		0	0	0	20	0	20	

, 4	kashi Co	ollege	Year	2023		Course Title	Music-1		
Course	Informa	tion	•	•		'			
Course Co	ode	5120			Course Categor	y Genera	l / Elective		
Class Forr	mat	Skill			Credits	School	Credit: 1		
Departme	ent	Mechanica	l Engineering		Student Grade	1st			
Term		First Seme	ster		Classes per We	ek 2			
Textbook Teaching	Matérials		. ,	uppan, Co.). Variou	us sheet music a	and other printouts will also be distributed in class.			
Instructor		IZUMI Yuk	a						
1. Acquire 2. Master 3. Learn t	the basics the basics	tice the basic of chord nar	er flute and pra						
Rubric									
			Ideal Level		Standard Level		Unacceptable Level		
Achievem	ent 1	The student acquired and practiced the basics of vocalization and chorus well.			The student acc practiced the ba vocalization and	asics of	The student did not acquire or practice the basics of vocalization and chorus.		
Achievem	ent 2		The student m basics of chord		The student ma basics of chord		The student did not master the basics of chord names.		
Achievem	ent 3		The student ac of the recorder practiced them		The student acc the recorder flu them.	te and practic			
Achievem	ent 4		The student co practice music well.	ould plan and al performances	The student cou practice basic n performances.		The student could not plan or practice musical performances.		
	<u>d Depar</u> ig Metho	tment Obje d	ectives						
	ig Metho		ne iov of expres	ssing vourself thro	uah music Exne	rience not onl	y disposable music, but also genuine		
Outline		"music" th	at has survived	times regardless	of its eastern or	western origir	s.		
Notice		Students v Practical ex	vho miss 1/4 or xperience: The	r more of classes v instructor is an ex	vill not be eligible perienced vocal	e for evaluatio ist. She has co	frain from unnecessary private talk. n. o-starred in recitals and orchestras specific and up-to-date information		
Charact	eristics	of Class / D	ivision in Le	-					
☑ Active	Lagraina		ZIVISIOII III EC	earning					
	Learning	,	☐ Aided by IC		✓ Applicable to	Remote Clas	Instructor Professionally Experienced		
		,			☑ Applicable to	Remote Clas	S ☐ Instructor Professionally Experienced		
Course		,			☑ Applicable to	Remote Clas	S ☐ Instructor Professionally Experienced		
Course		Th	☐ Aided by IO	СТ		Remote Clas	S Instructor Professionally Experienced		
Course		Th 1st Pa	Aided by IC	g, stretching, vocal a simple two-voice	ization	Goals	Instructor Professionally Experienced		
Course		Th 1st Pa pr 2nd Et	Aided by IC neme arting, grouping actice, singing ude I for Chora	g, stretching, vocal a simple two-voice	ization e song	Goals To be able to To sing simple	sing a simple two-voice song.		
Course		The state of the s	Aided by IO neme arting, grouping actice, singing ude I for Chora	g, stretching, vocal a simple two-voice al	ization e song	Goals To be able to To sing simple To sing simple	sing a simple two-voice song. e songs with piano accompaniment. e songs with piano accompaniment.		
Course	Plan	1st Papr 2nd Et 3rd Et 4th Cr	Aided by IO neme arting, grouping actice, singing ude I for Choraude II for C	g, stretching, vocal a simple two-voice al al	ization e song	Goals To be able to To sing simple To sing simple Understand th	sing a simple two-voice song. songs with piano accompaniment. songs with piano accompaniment. se simplest 3 chords.		
Course		1st Papr 2nd Et 3rd Et 4th Ch 5th Et	neme arting, grouping actice, singing ude I for Choraude II for Choraude III for Cho	g, stretching, vocal a simple two-voice al al ics I ral	ization e song	Goals To be able to To sing simple To sing simple Understand th Can sing 2-vo	sing a simple two-voice song. e songs with piano accompaniment. e songs with piano accompaniment. e simplest 3 chords. ice or 3-voice J/POP.		
Course	Plan Ist	1st Paper 2nd Et 3rd Et 4th Ch 5th Et 6th Et	neme arting, grouping actice, singing ude I for Chora ude II for Chora ude III for Chora ude III for Chora ude IV for Chora u	g, stretching, vocal a simple two-voice al cal ics I ral	ization e song	Goals To be able to To sing simple To sing simple Understand th Can sing 2-vo Can get the co	sing a simple two-voice song. e songs with piano accompaniment. e songs with piano accompaniment. e simplest 3 chords. ice or 3-voice J/POP. prrect pitch even in a few people		
	Plan Ist	1st Papr 2nd Et 3rd Et 4th Ch 5th Et 6th Et 7th Et	neme arting, grouping actice, singing ude I for Chora ude III for Chora ude III for Chora ude IV for Chora ude IV for Chora ude V for Chora	g, stretching, vocal a simple two-voice al cal ics I ral	ization e song	Goals To be able to To sing simple To sing simple Understand th Can sing 2-vo Can get the co group. Harmony can people group.	sing a simple two-voice song. e songs with piano accompaniment. e songs with piano accompaniment. le simplest 3 chords. lice or 3-voice J/POP. orrect pitch even in a few people be echoed beautifully, even in a few		
1st Semeste	Plan Ist	1st Papr 2nd Et 3rd Et 4th Ch 5th Et 6th Et 7th Et 8th Ch	Aided by IC neme arting, grouping actice, singing ude I for Choraude II for Choraude III for Choraude IV for Choraude IV for Choraude V for Choraude V for Choraude Name Basinord name Basinord name Basinord name Basinord	g, stretching, vocal a simple two-voice al cos I ral ral al	ization e song	Goals To be able to To sing simple To sing simple Understand th Can sing 2-vo Can get the co group. Harmony can people group. Chord name p	sing a simple two-voice song. e songs with piano accompaniment. e songs with piano accompaniment. le simplest 3 chords. lice or 3-voice J/POP. orrect pitch even in a few people be echoed beautifully, even in a few oractice and quizzes, group		
1st	Plan Ist	1st Papr 2nd Et 3rd Et 4th Ch 5th Et 6th Et 7th Et 8th Ch	neme arting, grouping actice, singing ude I for Chora ude III for Chora ude III for Chora ude IV for Chora ude IV for Chora ude V for Chora	g, stretching, vocal a simple two-voice al cos I ral ral al	ization e song	Goals To be able to To sing simple To sing simple Understand th Can sing 2-vo Can get the co group. Harmony can people group. Chord name p presentation p	sing a simple two-voice song. e songs with piano accompaniment. e songs with piano accompaniment. e simplest 3 chords. ice or 3-voice J/POP. orrect pitch even in a few people be echoed beautifully, even in a few practice and quizzes, group orractice. for the group presentation.		
1st Semeste	Plan Ist	Th 1st Pa pr 2nd Et 3rd Et 4th Ch 5th Et 6th Et 7th Et 8th Ch 9th Et	Aided by IC neme arting, grouping actice, singing ude I for Choraude II for Choraude IV for Choraude IV for Choraude V for Choraude V for Choraude VI for Choraude VI for Choraude VI for Choraude VI for Choraude VII for Choraud	g, stretching, vocal a simple two-voice al al ics I ral ral ics II ral	ization e song	Goals To be able to To sing simple To sing simple Understand th Can sing 2-vo Can get the co group. Harmony can people group. Chord name presentation presentation presentation presentation presentation is an expense presentation presentation.	sing a simple two-voice song. e songs with piano accompaniment. e songs with piano accompaniment. le simplest 3 chords. lice or 3-voice J/POP. forrect pitch even in a few people be echoed beautifully, even in a few foractice and quizzes, group for the group presentation. I present and be able to transmit other people, beyond self-		
1st Semeste	Plan Ist	Th 1st Pa pr 2nd Et 3rd Et 4th Ch 5th Et 6th Et 7th Et 8th Ch 9th Et 10th Et	Aided by IC neme arting, grouping actice, singing ude I for Choraude II for Choraude III for Choraude IV for Choraude IV for Choraude VI for Choraude VI for Choraude VI for Choraude VII for Ch	g, stretching, vocal a simple two-voice al al ics I ral ral al ics II ral al ics II	ization e song	Goals To be able to To sing simple To sing simple Understand th Can sing 2-vo Can get the co group. Harmony can people group. Chord name p presentation p Final practice The group will something to satisfaction. Rediscover th	sing a simple two-voice song. e songs with piano accompaniment. e songs with piano accompaniment. le simplest 3 chords. lice or 3-voice J/POP. forrect pitch even in a few people be echoed beautifully, even in a few foractice and quizzes, group for the group presentation. I present and be able to transmit other people, beyond self-		
1st Semeste	Plan Ist	1st	Aided by IC neme arting, grouping actice, singing ude I for Chora ude III for Chora ude IV for Chora ude IV for Chora ude V for Chora ude VI for Chora ude VII f	g, stretching, vocal a simple two-voice al ics I ral al ics II ral al ics II ral asics II	ization e song	Goals To be able to To sing simple To sing simple Understand th Can sing 2-vo Can get the co group. Harmony can people group. Chord name p presentation p Final practice The group will something to satisfaction. Rediscover the Play a simple To plan a free	sing a simple two-voice song. e songs with piano accompaniment. e songs with piano accompaniment. e simplest 3 chords. ice or 3-voice J/POP. orrect pitch even in a few people be echoed beautifully, even in a few practice and quizzes, group practice. for the group presentation. I present and be able to transmit other people, beyond self- e charm of the recorder flute! ensemble. music performance in the students'		
1st Semeste	Plan 1st Quarter	1st	Aided by IC neme arting, grouping actice, singing ude I for Chora ude III for Chora ude III for Chora ude IV for Chora ude IV for Chora ude VI for Chora ude VII for Chora ude VI	g, stretching, vocal a simple two-voice al ics I ral al ics II ral al ics II ral ctics II ctice for practical s	ization e song skill test I	Goals To be able to To sing simple To sing simple Understand th Can sing 2-vo Can get the co group. Harmony can people group. Chord name presentation presentation presentation. Rediscover the play a simple To plan a free expertise field To plan a free	sing a simple two-voice song. e songs with piano accompaniment. e songs with piano accompaniment. le simplest 3 chords. lice or 3-voice J/POP. forrect pitch even in a few people be echoed beautifully, even in a few fractice and quizzes, group foractice. for the group presentation. I present and be able to transmit for the group presentation. I present and be able to transmit fother people, beyond self- e charm of the recorder flute! ensemble. music performance in the students' music performance in the students'		
1st Semeste	Plan 1st Quarter	1st Papr 2nd Et 3rd Et 4th Ch 5th Et 6th Et 7th Et 10th Et 11th Re 12th Re 13th Pl 14th Pl	Aided by IC neme arting, grouping actice, singing ude I for Choraude II for Choraude IV for Choraude IV for Choraude VI for Choraude VI for Choraude VII for C	g, stretching, vocal a simple two-voice al ics I ral al ics II ral al ics II ral asics II	ization e song Skill test I	Goals To be able to To sing simple To sing simple Understand th Can sing 2-vo Can get the co group. Harmony can people group. Chord name p presentation p Final practice The group will something to satisfaction. Rediscover th Play a simple To plan a free expertise field To plan a free expertise field	sing a simple two-voice song. e songs with piano accompaniment. e songs with piano accompaniment. le simplest 3 chords. lice or 3-voice J/POP. forrect pitch even in a few people be echoed beautifully, even in a few fractice and quizzes, group foractice. for the group presentation. I present and be able to transmit for the group presentation. I present and be able to transmit fother people, beyond self- e charm of the recorder flute! ensemble. music performance in the students' music performance in the students'		
1st Semeste	Plan 1st Quarter	1st	Aided by IC neme arting, grouping actice, singing ude I for Choraude II for Choraude IV for Choraude IV for Choraude VI for Choraude VI for Choraude VII for C	g, stretching, vocal a simple two-voice al cal ics I ral al ics II ral asics II cral cral cral cral asics I asics I asics I asics I asics I asics II ctice for practical s ctice for practical s	ization e song Skill test I	Goals To be able to To sing simple To sing simple Understand th Can sing 2-vo Can get the co group. Harmony can people group. Chord name p presentation p Final practice The group will something to satisfaction. Rediscover th Play a simple To plan a free expertise field To plan a free expertise field	sing a simple two-voice song. e songs with piano accompaniment. e songs with piano accompaniment. le simplest 3 chords. lice or 3-voice J/POP. forrect pitch even in a few people be echoed beautifully, even in a few foractice and quizzes, group for the group presentation. I present and be able to transmit fother people, beyond self- e charm of the recorder flute! ensemble. music performance in the students' music performance in the students'		

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

ı	Akashi Co	ollege	e Year 2023			Course Title	Music-2
Course	Informa	tion	<u>'</u>	·			
Course C	ode	5121			Course Category	General	/ Elective
Class For	mat	Skill			Credits	School C	redit: 1
Departme	ent	Mechanica	al Engineering		Student Grade	1st	
Term		Second Se	emester		Classes per Wee	k 2	
	Matérials			uppan, Co.). Vario	us sheet music an	d other printo	uts will also be distributed in class.
Instructo		IZUMI Yu	ка				
1. Acquire 2. Master 3. Learn	the basics the basics	tice the basions of chord na	ler flute and pra				
Rubric			1				
			Ideal Level		Standard Level		Unacceptable Level
Achievem	nent 1	The student acquired and practiced the basics of vocalization and chorus well.			The student acqueracticed the bas vocalization and	sics of	The student did not acquire or practice the basics of vocalization and chorus.
Achievem	nent 2		The student m basics of chore	d names well.	The student mas basics of chord n	names.	The student did not master the basics of chord names.
Achievem	nent 3		basics of the r practiced then		The student acque of the recorder for practiced them.		The student did not acquire the basics of the recorder flute or practice them.
Achievem	nent 4	The student could plan and The student could pla				The student could not plan or practice musical performances.	
		tment Obj	ectives				
Teachir	ng Metho	od					
Outline		To know t	he joy of expre	ssing yourself thro	ugh music. Experi	ience not only	disposable music, but also genuine
Style			nat has survived classes of music	d times regardless	of its eastern or w	estern origins	•
Notice		Students Practical 6	who miss 1/4 o	all) and pianica flut r more of classes v	vill not be eligible	for evaluation	
		on music.		can use her exper	perienced vocalist ience to teach stu	t. She has co-s	starred in recitals and orchestras in ecific and up-to-date information
unaract	teristics	on music.	l overseas, and Division in Le	can use her exper	sperienced vocalistience to teach stu	t. She has co-s	starred in recitals and orchestras in scific and up-to-date information
	teristics Learning	on music.		can use her exper earning	perienced vocalistience to teach stu Applicable to	t. She has co-s dents with spe	starred in recitals and orchestras in
		on music.	Division in Le	can use her exper earning	ience to teach stu	t. She has co-s dents with spe	starred in recitals and orchestras in edific and up-to-date information
	Learning	on music.	Division in Le	can use her exper earning	ience to teach stu	t. She has co-s dents with spe	starred in recitals and orchestras in edific and up-to-date information
☑ Active	Learning	on music.	Division in Le	can use her exper earning	☑ Applicable to	t. She has co-s dents with spe Remote Class Goals	starred in recitals and orchestras in ecific and up-to-date information Instructor Professionally Experienced
☑ Active	Learning	on music.	Division in Le	can use her experearning	☑ Applicable to	Remote Class Goals irst of all, sing	starred in recitals and orchestras in edific and up-to-date information
☑ Active	Learning	on music. of Class /	Division in Le	can use her experearning CT enge I	☑ Applicable to ☐ F ☐ F ☐ E	Remote Class Goals First of all, singlight measures larmony. Gelect a song file	starred in recitals and orchestras in scific and up-to-date information Instructor Professionally Experienced a short four-voice song of about
☑ Active	Learning	on music. of Class /	Division in Le Aided by Io heme Cappella Challe	can use her experearning CT enge I enge II	☐ Applicable to ☐ Feeh	Remote Class Goals Go	a short four-voice song of about with a sense of beautiful from the a cappella selection, group and practice in the group.
☑ Active	Learning	on music. of Class / I	Division in Le Aided by Id Cheme Cappella Challe	can use her experence arning CT enge I enge II enge III	☐ Applicable to ☐ Feeh	Remote Class Goals Go	Instructor Professionally Experienced a short four-voice song of about with a sense of beautiful om the a cappella selection, group and practice in the group.
☑ Active	Plan	on music. of Class / I	Division in Le	can use her experence arning CT enge I enge II enge III enge IV	☐ Applicable to ☐ G ☐ F ☐ h ☐ S ☐ R ☐ I ☐ p ☐ L	Remote Class Goals Go	Instructor Professionally Experienced a short four-voice song of about with a sense of beautiful tom the a cappella selection, group and practice in the group. and check the group progress.
☑ Active	Plan	on music. of Class / I Ist A 2nd A 3rd A 4th A 5th C 6th C	Division in Lease Aided by Identification in Lease Aided by Identi	can use her experence arning CT enge I enge II enge III enge IV sics III	☐ Applicable to ☐ Feel here is a second of the content of the con	Remote Class Goals Goals Grant of all, singlight measures larmony. Gelect a song fruitable for the expeat practice in addition to presentation, the formances. Gearn 7th and fruitable songs. The measure of hort tests.	Instructor Professionally Experienced a short four-voice song of about with a sense of beautiful from the a cappella selection, group and practice in the group. and check the group progress. erforming at the group of enjoy listening to other groups' fraction chords. To be able to
☑ Active Course 2nd Semeste	Plan	on music. of Class / Interpretation of Class /	Division in Lease Aided by Identification Aidentification Aided by Identification Aided by Identificat	can use her experence arning CT enge I enge II enge III enge IV sics III	☑ Applicable to ☑ Applicable to ☐ Fee hh ☐ See He	Remote Class Goals Go	a short four-voice song of about with a sense of beautiful om the a cappella selection, group and practice in the group. and check the group progress. erforming at the group oenjoy listening to other groups' fraction chords. To be able to f knowledge acquired through
☑ Active Course	Plan	on music. of Class / Interpretation of Class /	Division in Lease Aided by Identification in Lease Aided by Identi	can use her experence arning CT enge I enge II enge III enge IV sics III	☑ Applicable to ☐ Applicable to ☐ Feeh h ☐ SS ☐ R ☐ II ☐ P ☐ L ☐ T ☐ S ☐ R ☐ R ☐ M ☐ M ☐ M ☐ M ☐ M ☐ M ☐ M ☐ M ☐ M ☐ M	Remote Class Goals Go	a short four-voice song of about with a sense of beautiful om the a cappella selection, group and practice in the group. and check the group progress. erforming at the group oenjoy listening to other groups' fraction chords. To be able to f knowledge acquired through 6. ge quiz
Znd Semeste	Plan	on music. of Class / I Ist A 2nd A 3rd A 4th A 5th C 7th C 8th C	Division in Lease Aided by Identification Aidentification Aided by Identification Aided by Identificat	can use her experence arning CT enge I enge II enge III enge IV sics III	☐ Applicable to ☐ Applicable to ☐ Fee hh ☐ SS ☐ R ☐ II pp ☐ L ☐ T ☐ S ☐ R ☐ M ☐ T ☐ C	Remote Class Goals Go	a short four-voice song of about with a sense of beautiful om the a cappella selection, group and practice in the group. and check the group progress. erforming at the group oenjoy listening to other groups' fraction chords. To be able to f knowledge acquired through 6. ge quiz ne chorus of popular contemporary
Znd Semeste	Plan	on music. of Class / I Ist A 2nd A 3rd A 4th A 5th C 7th C 8th C 9th J	Division in Le Aided by It heme Cappella Challe Cappella Challe Cappella Challe Cappella Challe Chord Name Bas Chord Name Bas Chord Name Bas	can use her experence arning CT enge I enge II enge III enge IV sics III	☐ Applicable to ☐ Applicable to ☐ Feel here ☐ Seel here ☐ Seel here ☐ Teel he	Remote Class Goals Go	a short four-voice song of about with a sense of beautiful om the a cappella selection, group and practice in the group. and check the group progress. erforming at the group point is enjoy listening to other groups' fraction chords. To be able to knowledge acquired through 6. ge quiz ne chorus of popular contemporary song carefully and with details. To sible vocalization and sound.
Znd Semeste	Plan	on music. of Class / I Ist A 2nd A 3rd A 4th A 5th C 6th C 7th C 8th C 9th J 10th J	Division in Le	can use her experence arning CT enge I enge II enge III sics IV sics V sic VI	☐ Applicable to ☐ Applicable to ☐ Feeh ☐ S ☐ S ☐ R ☐ III ☐ D ☐ T ☐ C ☐ T ☐ C ☐ T ☐ C ☐ C ☐ C ☐ C ☐ C ☐ C ☐ C ☐ C ☐ C ☐ C	Remote Class Goals First of all, sing gight measures armony. Gelect a song figuitable for the resentation, to be reserved. To try to sing to one some reserved from the best position of the best position of the best position of the position of sind dynamic exitations.	starred in recitals and orchestras in edific and up-to-date information Instructor Professionally Experienced a short four-voice song of about with a sense of beautiful rom the a cappella selection, group and practice in the group. and check the group progress. erforming at the group of enjoy listening to other groups' fraction chords. To be able to f knowledge acquired through 6. ge quiz ne chorus of popular contemporary song carefully and with details. To sible vocalization and sound. nould be aware of the music and inging together with thoughtful opposition.
Znd Semeste	Plan 3rd Quarter	on music. of Class /	Division in Lean Land Land Land Land Land Land Land La	can use her experence arning CT enge I enge II enge III sics IV sics V sic VI	☐ Applicable to ☐ Applicable to ☐ Feet and Feet askill test I Peet askill test I Peet and Feet askill test I Peet askill test I P	Remote Class Goals Goals Grist of all, sing gight measures armony. Gelect a song figuitable for the resentation, to be reposers. The measure of hort tests.	starred in recitals and orchestras in edific and up-to-date information Instructor Professionally Experienced a short four-voice song of about with a sense of beautiful rom the a cappella selection, group and practice in the group. and check the group progress. erforming at the group progress. erforming at the group of enjoy listening to other groups' fraction chords. To be able to f knowledge acquired through 6. ge quiz ne chorus of popular contemporary song carefully and with details. To sible vocalization and sound. nould be aware of the music and inging together with thoughtful (pression. ctical tests. A cappella ensemble, no solo, etc.
Znd Semeste	Plan 3rd Quarter	on music. of Class /	Division in Lean Aided by It A	can use her experence arning CT enge I enge II enge IV sics III sics IV sics V	Applicable to Applicable to G F E E E E E E E E E E E E E E E E E	Remote Class Goals Goals Grist of all, sing gight measures armony. Gelect a song figuitable for the resentation, to be reposers. The measure of hort tests.	starred in recitals and orchestras in edific and up-to-date information Instructor Professionally Experienced a short four-voice song of about with a sense of beautiful rom the a cappella selection, group and practice in the group. a and check the group progress. erforming at the group progress. erforming at the group of enjoy listening to other groups' fraction chords. To be able to f knowledge acquired through 6. ge quiz ne chorus of popular contemporary song carefully and with details. To sible vocalization and sound. nould be aware of the music and inging together with thoughtful (pression). ctical tests. A cappella ensemble, no solo, etc. the with limited time and

	15th	Practical test ar Course summa	nd "Class presentat ry	ion"	Practical test a summary.	Practical test and "Class presentation." Course summary.			
	16th	No end term ex	lo end term exam						
Evaluation	Method and	d Weight (%)							
	Attendance	Behavior	Pratical Test	Vocal/Flute	Chord Test	Other	Total		
Subtotal	10	15	35	20	20	0	100		
Basic Proficiency	10	8	25	20	20	0	83		
Specialized Proficiency	0	0	0	0	0	0	0		
Cross Area Proficiency	0	7	10	0	0	0	17		

А	ıkashi Co	ollege	Year 2023 Course Title Art-1					Art-1
Course	Informa	tion						
Course Co	ode	5122			Course Catego	ry	General /	Elective
Class Forr	mat	Skill			Credits		School Cr	edit: 1
Departme	ent	Mechanical	Engineering		Student Grade		1st	
Term		First Semes	ster		Classes per We	eek	2	
Textbook Teaching		-		ublishing). Various	printouts will a	also be	distributed	l in class.
Instructor	r	OHNO Ryol	nei					
	<u>Objectiv</u>							
2. Can ap	preciate w	gs in several a orks of art an elationship be	ort forms. d comment on tween real life	them in groups. and art.				
Rubric								
			Ideal Level		Standard Level			Unacceptable Level
Achievem	ent 1	Can express things freely in several art forms.			Can express th art forms.	ings in	several	Cannot express things in several art forms.
Achievem	ent 2		Can accurately of art and comp groups.	appreciate works ment on them in	Can appreciate comment on the			Cannot appreciate works of art and comment on them in a group.
Achievem	ent 3		Can fully under relationship bet and art.	stand the tween real life	Can understan between real li			Can not understand the relationship between real life and art.
Assiane	d Denar	tment Obje			•			
	ig Metho							
Outline	ig Metrio	By expressi works (clay	works), color	ferent art forms ir (color materials), i	ncluding 2-dimn ideas (images),	nensior studer	nal portray nts refine t	ing (sketching), 3-dimmensional heir sensitivity and learn how art
Style				ted through practi	ical lessons on h	now to	express th	ings in different art forms.
		work and w	vriting activities vhat art really r	as a contemporar neans.	ry art writer. Ap	plying	his experie	ent for many years through his art ences to practical lessons, he
Notice		motivated a	attitude. A F6-s the classroom	duals to take their size sketchbook is i after lessons are more of classes w	used in classes. mandatory.	Do no	t forget th	uired to create art with a ngs like tools. Tidying and
Charact	eristics (•	ivision in Lea					
☑ Active			☐ Aided by IC		☑ Applicable t	o Remo	ote Class	☐ Instructor Professionally Experienced
Course	Plan							
		Th	eme					
		1st Ex	plaining the cla			Goals		
		VVC	rks of art assign	ss content, tools, a	appreciation of	Goals		
		2nd Sk	rks of art, assig	ss content, tools, a	appreciation of ext class		w Sketch	1
			orks of art, assign etching 1	ss content, tools, a gnments for the ne	appreciation of ext class	To dra	w Sketch	
1	1 ot	3rd Sk	orks of art, assign etching 1 etching 2	ss content, tools, a gnments for the ne	appreciation of ext class	To dra	w Sketch	2.
	1st Quarter	3rd Sk 4th Sk	orks of art, assign etching 1 etching 2 etching 3	ss content, tools, and the new the new tools, and t	appreciation of ext class	To dra To dra To dra	w Sketch w Sketch	2. 3.
		3rd Sk 4th Sk 5th Sk	orks of art, assignments of art, as a single art	ss content, tools, gnments for the ne	appreciation of ext class	To dra To dra To dra To dra	w Sketch w Sketch w Sketch	2. 3. 4.
		3rd Sk 4th Sk 5th Sk 6th Sk	orks of art, assignments of art, as a single art	ss content, tools, gnments for the no	appreciation of ext class	To dra To dra To dra To dra To dra	w Sketch w Sketch w Sketch w Sketch	2. 3. 4. 5.
		3rd Sk 4th Sk 5th Sk 6th Sk 7th Sk 8th Ab	orks of art, assignments of art, as a single art, as a sing	ss content, tools, agnments for the ne	ext class	To dra	w Sketch w Sketch w Sketch w Sketch w Sketch oress thing	2. 3. 4. 5.
1st Semeste r		3rd Sk 4th Sk 5th Sk 6th Sk 7th Sk 8th Ab of	etching 1 etching 2 etching 3 etching 4 etching 5 etching 6 stract expressionature 1)	gnments for the ne	ext class	To dra To cxp color r	w Sketch w Sketch w Sketch w Sketch w Sketch oress thing naterials.	2. 3. 4. 5.
		3rd Sk 4th Sk 5th Sk 6th Sk 7th Sk 8th Ab 9th Ab 10th Ab	etching 1 etching 2 etching 3 etching 4 etching 5 etching 6 stract expressionature 1) stract expressionature 2)	gnments for the no	ext class erials (image	To dra To exp color r To exp	w Sketch w Sketch w Sketch w Sketch w Sketch oress thing naterials. oress thing naterials.	2. 3. 4. 5. 6. s in an abstract art form using
Semeste	Quarter	3rd Sk 4th Sk 5th Sk 6th Sk 7th Sk 8th Ab of 9th Ab 10th Ab	etching 1 etching 2 etching 3 etching 4 etching 5 etching 6 stract expressionature 1) stract expressionature 2) stract expressionature 3	on using color mat	ext class derials (image derials (i	To dra To exp color r To exp color r To exp color r To exp color r	w Sketch w Sketch w Sketch w Sketch w Sketch oress thing naterials.	2. 3. 4. 5. 6. s in an abstract art form using
Semeste		3rd Sk 4th Sk 5th Sk 6th Sk 7th Sk 8th Ab of 9th Ab 10th Ab 11th Ab 12th Gr ne	etching 1 etching 2 etching 3 etching 4 etching 5 etching 6 stract expressionature 1) stract expressionature 2) stract expressionature 3) stract expressionature 3 stract expressionature 4	on using color mat on using color mat on using color mat on using color mat on using color mat laining the assignr	ext class derials (image derials (i	To dra To exp color r	w Sketch w Sketch w Sketch w Sketch oress thing naterials.	2. 3. 4. 5. 6. s in an abstract art form using works expressed in an abstract
Semeste	Quarter 2nd	3rd Sk 4th Sk 5th Sk 6th Sk 7th Sk 8th Ab 9th Ab 10th Ab 11th Ab 12th Gr 13th Fig	etching 1 etching 2 etching 3 etching 4 etching 5 etching 6 stract expressionature 1) stract expressionature 2) stract expressionature 3) stract expressionature 4) oup work / exp xt class jure (replicating	on using color mat laining the assignr	ext class derials (image derials (i	To dra To dra To dra To dra To dra To dra To exp color r To cor form i To dra	w Sketch w Sketch w Sketch w Sketch oress thing naterials.	2. 3. 4. 5. 6. s in an abstract art form using works expressed in an abstract ing skeletal frame of figure.
Semeste	Quarter 2nd	3rd Sk 4th Sk 5th Sk 6th Sk 7th Sk 8th Ab 9th Ab 10th Ab 11th Ab 12th Gr 13th Fig 14th Fig	etching 1 etching 2 etching 3 etching 4 etching 5 etching 6 stract expressionature 1) stract expressionature 2) stract expressionature 3) stract expressionature 3) stract expressionature 4) oup work / exp xt class gure (replicating gure (croquis dr	on using color mat laining the assignr g skeletal frame 1) rawing 1)	ext class derials (image derials (i	To dra To exp color r To exp color r To exp color r To exp color r To cor form in To dra To dra	w Sketch w Sketch w Sketch w Sketch oress thing materials.	2. 3. 4. 5. 6. s in an abstract art form using works expressed in an abstract ing skeletal frame of figure.
Semeste	Quarter 2nd	3rd Sk 4th Sk 5th Sk 6th Sk 7th Sk 8th Of 9th Ab of 10th 11th Of 12th Gr 13th Fig 15th Fig	etching 1 etching 2 etching 3 etching 4 etching 5 etching 6 stract expressionature 1) stract expressionature 2) stract expressionature 3) stract expressionature 4) oup work / exp xt class gure (replicating gure (croquis dr	on using color mat laining the assignr g skeletal frame 1) rawing 1)	ext class derials (image derials (i	To dra To exp color r To exp color r To exp color r To exp color r To cor form in To dra To dra	w Sketch w Sketch w Sketch w Sketch oress thing naterials.	2. 3. 4. 5. 6. s in an abstract art form using works expressed in an abstract ing skeletal frame of figure.
Semeste	Quarter 2nd	3rd Sk 4th Sk 5th Sk 6th Sk 7th Sk 8th Of 9th Ab of 10th 11th Of 12th Gr 13th Fig 15th Fig	etching 1 etching 2 etching 3 etching 4 etching 5 etching 6 stract expressionature 1) stract expressionature 2) stract expressionature 3) stract expressionature 3) stract expressionature 4) oup work / exp xt class gure (replicating gure (croquis dr	on using color mat laining the assignr g skeletal frame 1) rawing 1)	ext class derials (image derials (i	To dra To exp color r To exp color r To exp color r To exp color r To cor form in To dra To dra	w Sketch w Sketch w Sketch w Sketch oress thing materials.	2. 3. 4. 5. 6. s in an abstract art form using works expressed in an abstract ing skeletal frame of figure.
Semeste r	2nd Quarter	3rd Sk 4th Sk 5th Sk 6th Sk 7th Sk 8th Of 9th Ab of 10th 11th Of 12th Gr 13th Fig 15th Fig	etching 1 etching 2 etching 3 etching 4 etching 5 etching 6 stract expressionature 1) stract expressionature 2) stract expressionature 3) stract expressionature 4) oup work / exp xt class gure (replicating gure (croquis dr yure (croquis dr yo final exam	on using color mat laining the assignr g skeletal frame 1) rawing 1)	ext class derials (image derials (i	To dra To exp color r To exp color r To exp color r To exp color r To cor form in To dra To dra	w Sketch w Sketch w Sketch w Sketch oress thing materials.	2. 3. 4. 5. 6. s in an abstract art form using works expressed in an abstract ing skeletal frame of figure.
Semeste r	2nd Quarter	3rd Sk 4th Sk 5th Sk 6th Sk 7th Sk 8th Ab 9th Ab 10th Ab 11th Ab 12th Gr 12th ne 13th Fig 14th Fig 15th Fig 16th No nod and We	etching 1 etching 2 etching 3 etching 4 etching 5 etching 6 stract expressionature 1) stract expressionature 2) stract expressionature 3) stract expressionature 4) oup work / exp xt class gure (replicating gure (croquis dr yure (croquis dr yo final exam	on using color mat on using color mat on using color mat on using color mat on using color mat laining the assignr g skeletal frame 1) rawing 1)	ext class derials (image derials (i	To dra To exp color r To cor form ii To dra To dra	w Sketch w Sketch w Sketch w Sketch oress thing naterials.	2. 3. 4. 5. 6. s in an abstract art form using works expressed in an abstract ing skeletal frame of figure.
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Specialized Proficiency	0	0	0
Cross Area Proficiency	0	0	0

Textbook and/or Teaching Materials Instructor OHNO Ryohei OHNO Ryohei OHNO Ryohei OHNO Ryohei OHNO Ryohei OHNO Ryohei Course Objectives I can express things in several art forms. Can appreciate works of art and comment on them in groups. Sunderstand the relationship between real life and art. Achievement 1 Can express things freely in a can express things in several art forms. Can product appreciate works of art and comment on them in a group. Can fully understand the relationship between real life and art. Assigned Department Objectives Teaching Method Outline By expressing things in different art forms including 2-dimmensional portraying (sketching), 3-dimmensional works (clay works), color (color materials), ideas (images), students refine their sensitivity and learn how art is related to real life. Style Classes are mainly conducted through practical lessons on how to express things in different art forms. Liasion: John Herbert This subject is taught by a teacher who has been practicing town development for many years through his art very stream of the production of	А	kashi Co	ollege	Year	2023			ourse Title	Art-2		
Class Farmant	Course	Informa	tion								
Department Term Second Semester Classes per Week 2 Tectbook and/or classes and the control of th	Course Co	ode	5123			Course Categor	ry	General	/ Elective		
Texthopk and/or Texthopk and Art 1 (Mitsumura Toeho Publishing). Various printouts will also be distributed in class. Instructor OHNO Ryohel Course Objectives Art 1 (Mitsumura Toeho Publishing). Various printouts will also be distributed in class. Instructor OHNO Ryohel Course Objectives I. Can express things in several art forms. Ideal Level Standard Level Can express things freely in Can express things in several art forms. Can express things freely in Can express things in several art forms and comment on them in a group. Can accurately approache works of art droms. Can accurate and accu	Class For	mat	Skill			Credits		School C	redit: 1		
Textbook and/or teaching Materials Instructor OHNO Ryphei Course Objectives 1. Can express things in several art forms. 2. Can appreciate works of art and comment on them in groups. 3. Understand the relationship between real life and art. Rubric Can appreciate works of art and comment on them in groups. 3. Understand the relationship between real life and art. Rubric Can accurately appreciate works. Can accurately appreciate works of art and comment on them in groups. Achievement 2 Can accurately appreciate works. Can accurately appreciate works of art and of art and comment on them in a group. Can accurately appreciate works of art and comment on them in a group. Can accurately appreciate works of art and of art and comment on them in a group. Can accurately appreciate works of art and comment on them in a group. Can accurately appreciate works of art and or art and comment on them in a group. Can appreciate works of art and comment on them in a group. Can appreciate works of art and comment on them in a group. Can appreciate works of art and comment on them in a group. Can appreciate works of art and comment on them in a group. Can appreciate works of art and comment on them in a group. Can appreciate works of art and art. Can accurately appreciate works of art and comment on them in a group. Can appreciate works of art and art. Can accurately appreciate works of a	Departme	ent	Mechanical	Engineering		Student Grade		1st			
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Achievement 3 relationship between real life and art. Assigned Department Objectives Teaching Method Outline	Achievem	ent 2		of art and com	appreciate works ment on them in				or comment on them in a		
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16th No final exam			 								
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EVALIATION MATROA AND MICIONE (Ma)	Evaluati	ion Moth	1								

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

А	kashi Co	ollege	Year	2023		Course Title	Japanese I -1		
Course	Informa	tion							
Course Co		5124			Course Categor	y General	/ Compulsory		
Class Forr	mat	Lecture			Credits	School C	Credit: 3		
Departme	ent	Mechanic	cal Engineering		Student Grade	1st			
Term		First Sen	nester		Classes per We	ek 前期:6			
Textbook Teaching	Matérials	Stories b	y Fusako Beucki	ntary II 2nd Edition mann, Kuroshio Pu	n by 3A Corporat blishers	cion, 3A Corpora	ation / Learning 300 Kanji through		
Instructor		KUBOTA	Ikumi						
1. Unders 2. Can use while also topics. 3. Have a	e Japanes understa clear und	nese writing e to commi nding the ir erstanding	inicate informatinformatinformation, feeling of the strengths	on about topics of ngs, and reasons of	interest, feelings f others. Can also f their own Japar	about said topi write sentence nese ability and	an use them appropriately. Ics and reasons for those feelings, Ics or connected text about these Ics skills and can explain them in theinem into action.		
Rubric					1				
			Ideal Level		Standard Level		Unacceptable Level		
Achievem	ent 1		vocabulary, se and expression	riting, speaking, entence patterns, ns in different contexts, and can ropriately.	Understand wri vocabulary, sen and expressions situations and c use them appro- certain extent.	itence patterns, s in different contexts, and ca	patterns, and expressions in		
Achievem	ent 2		Can use the vappropriately information a their feelings, or assistance.	to express bout things and etc. without hints	Can use the wo appropriately, a information about their feelings, e assistance.	and express out things and	Cannot use the words learned, and cannot express much information about things or their feelings.		
Achievem	ent 3			t their challenges, ons, and put them	Can figure out t and think of sol	their challenges utions.	Even if they can figure out their challenges, they cannot think of a solution.		
Assigne	d Depar	tment Ob	jectives						
Teachin	g Metho	d							
Outline		activity t	s will study begir argets set for ev them to real use	ery lesson, this cou	e Japanese throu urse aims to enh	ighout the year ance Japanese	. In order to achieve the language language ability and skills, and		
Style		learned,	s will review key they will engage conversations w	in long speaking a	e them in a variet and writing, and	ty of ways durir other productiv	ng the class. Using the Japanese e activities on their own and		
Notice		proactive	e in improving th	ts will be expected eir Japanese ability r more of classes v	/ and skills.	,	nd could not do, and to be		
Charact	eristics	of Class /	Division in Le	earning					
☑ Active			☐ Aided by I		☑ Applicable to	Remote Class	☐ Instructor Professionally Experienced		
Course	Plan								
Course			Theme			Goals			
			Orientation			Understand the	Inderstand the class objectives and content, and		
		2nd		go Elementary II"	Ch. 26	your Japanese language levels. Can ask for explanations about other people situations and explain their own situations areasons for them. Can request things polite			
		3rd	"Minna no Nihor	go Elementary II"	Ch. 27-28	ask for advice and instructions. Can say what they can and cannot do. Can talk about their habits. Can list several reasons for something.			
1st Semeste	1st	4th	"Minna no Nihor	go Elementary II"	Ch. 29-30	Can describe the condition of an object. Can describe things to do in advance. Can talk about completion of an action. Can express their feelings about inconvenient situations.			
r	Quarter	5th	"Minna no Nihor	go Elementary II"	Ch. 32-33	Can talk about their intentions, plans, and appointments. Can advise others. Can express their speculations by the degreertainty.			
		6th	"Minna no Nihor	go Elementary II"	Ch. 34-35	Understand instructions and commands. Can communicate or convey people's statements Can describe the context of two actions.			
		7th	"Minna no Nihor	go Elementary II"	Ch. 35-36	Can talk about hypothetical situations. make decisions under certain conditions for advice or directions.			
		8th	Reflection			Can state their goals.			
		í							

	9th	"Minna no Nihongo	Elementary II" Ch. 37-38	representation based on intimacy in a personal re	appropriate use of the exchange and esentation based on the hierarchy and level of nacy in a personal relationship. give permission or approval to people who not their superiors.			
	10th	"Minna no Nihongo	Minna no Nihongo Elementary II" Ch. 39-40 Can use honorifics propand people you meet for send emails.					
2nd L	11th	"Minna no Nihongo	Elementary II" Ch. 42-43	;	In addition to organizing Japanese you have alrea what you can do in Japa goals from the next wee	ady learned, look back on inese and reconfirm your		
Quarter	12th	"Minna no Nihongo	Elementary II" Ch. 44-45		Can read and understan events.	d sentences about past		
	13th	"Minna no Nihongo	Elementary II" Ch. 46-47		Understand the characteristics of Japanese grammar such as polysemous words and compound verbs, and can use idioms using body parts.			
	14th	"Minna no Nihongo	Elementary II" Ch. 41, 48		Can read and understand sentences while understanding the contrast of things.			
	15th	"Minna no Nihongo	Elementary II" Ch. 49-50		Knowing the diversity of vocabulary, you can paraphrase Wago and Katakana into Kango.			
	16th	Final exam						
Evaluation Metho	od and	Weight (%)						
	E	xamination	Assignments	Po	ortfolio	Total		
Subtotal	5	0	40	10)	100		
Basic Proficiency	5	0	20	0		70		
Specialized Proficience	cy 0		0	0		0		
Cross Area Proficienc	cy 0		20	10)	30		

А	kashi Co	ollege	Year	2023		Course Title	Japanese I -2		
Course	Informa	tion							
Course Co	ode	5125			Course Category	/ General	/ Compulsory		
Class Forr	mat	Lecture			Credits	School C	redit: 2		
Departme	ent	Mechanic	al Engineering		Student Grade	1st			
Term		Second S	Semester		Classes per Wee	ek 4			
Textbook Teaching		The Japa	n Times / Learn	panese Across the ing Kanji through S	Four Language S Stories II 301-500	kills I, The Jap O by Fusako Be	an Times by Tadashi Sakamoto, euckmann, Kuroshio Publishers		
Instructor	<u> </u>	KUBOTA	Ikumi						
1. Unders 2. Can us while also topics. 3. Have a	e Japanes understa clear und	nese writing e to commu nding the in erstanding o	nicate information feeling the strengths	on about topics of ngs, and reasons of	interest, feelings of others. Can also f their own Japano	about said topi write sentence ese ability and	an use them appropriately. cs and reasons for those feelings, es or connected text about these skills and can explain them in their nem into action.		
Rubric									
			Ideal Level		Standard Level		Unacceptable Level		
Achievem	ent 1		vocabulary, se and expressio	riting, speaking, entence patterns, ns in different contexts, and can ropriately.	Understand writ vocabulary, sent and expressions situations and co use them approp certain extent.	tence patterns, in different ontexts, and ca	patterns, and expressions in		
Achievem	ent 2				Can use the wor appropriately, ar information abou their feelings, et assistance.	nd express ut things and	Cannot use the words learned, and cannot express much information about things or their feelings.		
Achievem	ent 3			t their challenges, ons, and put them	Can figure out thand think of solu	neir challenges utions.	Even if they can figure out their challenges, they cannot think of a solution.		
Assigne	d Depar	tment Ob	jectives						
Teachin	g Metho	d							
Outline		activity to	will study begin argets set for ev them to real use	ery lesson, this cou	e Japanese througurse aims to enha	ghout the year ince Japanese	. In order to achieve the language language ability and skills, and		
Style		learned,		in long speaking a			ng the class. Using the Japanese e activities on their own and		
Notice		Iproactive	: in improvina th	ts will be expected eir Japanese ability r more of classes v	/ and skills.		nd could not do, and to be		
Charact	eristics	of Class /	Division in Le	earning					
☑ Active	Learning		☐ Aided by I	СТ	☑ Applicable to	Remote Class	☐ Instructor Professionally Experienced		
Course	Plan								
		-	Theme		C	Goals			
		1st '	"QUARTET1" Ch	. 1	v	Understand the story about a famous person which represents Japan.			
		2nd '	"QUARTET1" Ch	. 1	Į v	Can describe people and things effectively write sentences that describe people you r in detail.			
		3rd '	"QUARTET1" Ch	. 1	V	veek 2.	nposition about the contents of omment on other people's		
	3rd Quarter	4th '	"QUARTET1" Ch	. 2	Ca	Can read the e- and understand expressions tha	mails sent by students to teachers I how to write e-mails and are often used in e-mails.		
2nd		5th '	"QUARTET1" Ch	. 2		Can explain your current status easily.			
Semeste r		6th '	"QUARTET1" Ch	. 2	C	Can report your current status by e-mail to the teacher in your home country.			
		7th '	"QUARTET1" Ch	. 3	Cii	Can read guide nformation you	s and columns to read the I need		
		8th '	"QUARTET1" Ch	. 3	(r	Can compare your otice the chara	our home country with Japan and acteristics of your home country.		
4th Ouarter		9th '	"QUARTET1" Ch	. 3	S	sentence and ri Neek8.	opic sentence and a supporting te a column on the contents of		
	Quarter		_			Can also read a columns.	and comment on other people's		

		11th	"QUARTET1" Ch. 5			Understand adverbs and conjunctions that represent the order. Can also explain the order of how to make the dishes you want to make.				
		12th	"QUARTET1" Ch. 5		Can summarize t the winter vacati	the recipes of dishes made during on .				
		13th	"QUARTET1" Ch. 4			Understand vario	ous study abroad experiences by ports.			
		14th	"QUARTET1" Ch. 4			Can look back or talk about the go what to be caref	n your own study abroad life and ood points of studying abroad and ul about.			
		15th	"QUARTET1" Ch. 4	"QUARTET1" Ch. 4			Can discuss your study abroad life with others, express your opinions, and comment on other people's opinions.			
		16th	Final exam							
Evaluati	on Meth	od an	d Weight (%)							
			Examination	Assignments	P	ortfolio	Total			
Subtotal		!	50	40	1	0	100			
Basic Prof	iciency		50	20	0		70			
Specialize	d Proficien	су	0	0	0		0			
Cross Area	a Proficien	су	0	20	1	0	30			

Д	kashi Co	ollege	Year	2023		Cours		Japanese Culture and Society	
Course	Informa	tion	'						
Course Co		5126			Course Categor	y Gen	eral /	Compulsory	
Class For	mat	Lecture			Credits	Scho	ool Cre	edit: 1	
Departme	ent	Mechani	ical Engineering		Student Grade	1st			
Term		First Ser	mester		Classes per Wee	ek 2			
	Matérials			d distribute the ha	ndout.				
Instructo		KUBOTA	A IKUMI						
1. Learn a between 2. Can sp behavior difference	the two cu eak for a r in Japan a	understand Iltures and easonable	can speculate ab amount of time a	out them. and write a reasona	able length about	t a range of	f topic	e the differences and similarities s on culture and language I and cultural commonalities and	
Rubric			1		T			T	
·			Ideal Level		Standard Level			Unacceptable Level	
Achievem	nent 1		Have more kn information al culture than for presented in control	oout Japanese rom what was	Have sufficient information about culture from what presented in class	out Japañes nat was	and e	Have basic knowledge and information about Japanese culture from what was presented in class.	
Achievem	nent 2		noticed or spe differences an between their	own culture and ure based on their	Can explain who noticed or spect differences and between their o Japanese cultur	what they have eculated about nd similarities r own culture and			
Achievement 3			logical senten	v've already press and write	Can express wo in a simple way connected sente culture and land of Japan and th countries.	or write ences abou guage beha	t the	Cannot make sentences about the culture and language behavior of Japan or their own countries, and can only express them in words.	
Assiane	d Depar	tment Ol	biectives						
	ng Metho								
Outline		There and The aim behavior their cou	of this course is r and culture betv untries in Japanes	for students to dev ween Japan and th se, and relate them	velop a deeper ur eir own countries n to the theme se	nderstandin s. Also, to s et for each	ng of t speak lessor		
Style		fill it out	on a handout. F	or Japanese speaki	ng and writing a	ssignments	s, they	iced in class during class time or should prepare, correct the omit them when finished.	
Notice		students	s are expected to e patterns, and e	eepen students' un more clearly. In a use it as an oppor xpressions that the r more of classes v	tunity to practice v have learned.	e producing	actua	wn cultures and allow them to being and writing in Japanese, so al Japanese by using vocabulary,	
Charact	eristics	of Class /	Division in Le	earning					
☑ Active			☐ Aided by I	•	☑ Applicable to	Remote C	lass	☐ Instructor Professionally Experienced	
Course	Plan								
			Theme			Goals			
		1st	Orientation					class objectives and content.	
		2nd	Necessary proce Japan	dures for living afte		Japanese. ´		ersonal information in Japan in	
		3rd	Necessary proce Japan	dures for living afte	er coming to	while intera	acting	ersonal information in Japanese with the person in charge at phone shops.	
1st Semeste	1st Quarter	4th	Self-introduction			talk about i	in self from y iink at	cs that Japanese people oftenintroduction, and notice the your own country. oout why each country tends to oic.	
1		5th	Self-introduction			Can introdu incorporation	uce yo	ourself in some detail while e contents that Japanese people in self-introduction.	
		6th	Conversation wit	th the shop staff			Also, ι	conditions of what you want in understand the expressions used	
		7th	Conversation wit	th the shop staff				anese you learned in the 6th with the clerk to buy what you	

Can notice the di country and Japa	lifferences between your home			
in the dormitory	Can notice the differences between your home country and Japan and the characteristics of each in the dormitory life.			
	goodness of living in the ne points that you are not used			
10th Dormitory life Can write a lette suggest somethin	er to thank the dormitory staff or ing.			
11th Disaster and Disaster prevention Understand word disaster prevention	ds related to natural disasters and ion.			
	an's efforts related to natural saster prevention.			
2nd Quarter 13th Disaster and Disaster prevention Can find out abo natural disasters City.	out examples of efforts related to s and disaster prevention in Akashi			
14th Disaster and Disaster prevention Can explain condition the 13th week.	Can explain concretely what you investigated in the 13th week.			
15th Disaster and Disaster prevention 14th week. Can also listen to	Can verbally tell others about the content of the 14th week. Can also listen to the announcements of others and give your thoughts and opinions.			
16th Reflection Can explain new things that chang Japanese abilities	things they found out in class, ged their minds, and how their and skills have developed.			
Evaluation Method and Weight (%)				
Presentation • Oral examination Behavior	Total			
Subtotal 70 20 10	100			
Basic Proficiency 35 20 0	55			
Specialized Proficiency 0 0	0			
Cross Area Proficiency 35 0 10	45			

Д	kashi Co	ollege	Year	2023		Course Literacy for Disaster Title Reduction		Literacy for Disaster Risk Reduction
Course	Informa	tion						
Course Co	ode	5127			Course Category	/	Specialize	ed / Compulsory
Class For	mat	Lecture			Credits		School C	redit: 1
Departme	ent	Mechanical	Engineering		Student Grade		1st	
Term		Second Sen	nester		Classes per Wee	ek	2	
Textbook Teaching								
Instructo		-	Tomoki,YEGAI	NE GHEZELLOO				
Course	Objectiv	es						
reduction	rstand the and preve	natural disaste ention.	ers that occur i	n Japan, and acq	uire the knowledg	je, aw	areness,	and skills related to disaster risk
Rubric		T			T			
]	Ideal Level		Standard Level			Unacceptable Level
Achievem	nent 1	(6 1	disasters that c	ave acquired the areness, and disaster prevention but	Can explain the disasters that oc and have acquire knowledge relate risk reduction ar	ccur in ed the ed to o	Japan, disaster	Cannot explain the natural disasters that occur in Japan.
Assigne	d Depar	tment Obje	ctives					
	g Metho							
Outline		In this coun disaster risk various situ can also wo	reduction and ations in their s	prevention to be social lives or in t	ecome a leader in	disast to whi	er risk red ch they b	e, awareness, and skills related to duction and disaster prevention in elong. Those who would like to
Style		Ithere will al	so be collabora	itive learning sucl	h as CROSSROAD	game	s.	nding on the lecturer. However, isiting lecturers: Weeks 5, 7, 12,
		Students wi	ll learn the mir	nimum amount of	f what they need t	to kno	w to live	in Japan, a developed country
Notice		role as a dis	saster prevention	on leader in the f	to learn with an i	nteres	st in real-	world events and play an active
	eristics	role as a dis Students w	saster prevention of the miss 1/3 or	on leader in the formal more of classes were the classes	to learn with an i uture.	nteres	st in real-	world events and play an active
Charact	eristics (role as a dis Students wl of Class / Di	saster prevention	on leader in the fi more of classes v arning	to learn with an i uture.	for ev	st in real- aluation.	world events and play an active
Charact	Learning	role as a dis Students wl of Class / Di	saster prevention on miss 1/3 or ivision in Lea	on leader in the fi more of classes v arning	to learn with an i uture. will not be eligible	for ev	st in real- aluation.	world events and play an active □ Instructor Professionally
Charact Active	Learning	role as a dis Students wl of Class / Di	saster prevention on miss 1/3 or ivision in Lea	on leader in the fi more of classes v arning	to learn with an i uture. will not be eligible Applicable to	for ev	st in real- aluation.	world events and play an active □ Instructor Professionally
Charact Active	Learning	role as a dis Students wl of Class / Di	saster prevention of miss 1/3 or ivision in Lea	on leader in the fi more of classes v arning	to learn with an i uture. will not be eligible Applicable to	for every Remo	t in real- valuation. te Class	world events and play an active □ Instructor Professionally
Charact Active	Learning	role as a dis Students will of Class / Di	saster prevention on miss 1/3 or ivision in Lea Aided by IC eme	on leader in the fi more of classes v arning	to learn with an i uture. will not be eligible Applicable to	for ev Remo	at in real- valuation. te Class	world events and play an active ☐ Instructor Professionally Experienced
Charact ☐ Active	Learning	role as a dis Students wl of Class / Di The 1st 1st 2nd 2nd	saster prevention on miss 1/3 or ivision in Lea Aided by IC eme week	on leader in the fi more of classes v arning	to learn with an i uture. will not be eligible Applicable to	for every Remo	et in real- valuation. ete Class ace, What	□ Instructor Professionally Experienced
Charact ☐ Active	Learning	role as a dis Students who of Class / Di The 1st 1st 2nd 2nd 3rd 3rd	saster prevention on miss 1/3 or ivision in Lea Aided by IC eme week d week	on leader in the fi more of classes v arning	to learn with an i uture. will not be eligible Applicable to	Remo Goals Guidan CROSS Earthq	valuation. valuation. valuation. valuation. valuation. valuation. valuation.	□ Instructor Professionally Experienced is a disaster? [Lectures A] me [Motozuka]
Charact ☐ Active	Learning	role as a dis Students who of Class / Di The 1st 1st 2nd 2nd 3rd 3rd 4th 4th	saster prevention on miss 1/3 or ivision in Lead of the control of	on leader in the fi more of classes v arning	to learn with an i uture. will not be eligible Applicable to	Remo Goals Guidan CROSS Earthq	et in real- valuation. ete Class ete, What sROAD ga uake disa mi disaste	□ Instructor Professionally Experienced is a disaster? [Lectures A] me [Motozuka] sters [Lectures A]
Charact Active	Plan 3rd	role as a dis Students who of Class / Di The 1st 1st 2nd 2nd 3rd 3rd 4th 4th 5th 5th	easter prevention miss 1/3 or ivision in Lea Aided by IC eme week d week l week i week	on leader in the fi more of classes v arning	to learn with an i uture. will not be eligible Applicable to	Remo Goals Goals Guidan CROSS Earthq Fsunar Meteorrains, a	et in real- valuation. ete Class ete, What sROAD ga uake disa mi disaste cological cabnormal	Instructor Professionally Experienced is a disaster? [Lectures A] me [Motozuka] sters [Lectures A] ers [Lectures A] disasters (typhoons, torrential weather) [Visiting lecturer] ers (earthquakes and torrential
Charact Active	Plan 3rd	role as a dis Students who of Class / Di The 1st 1st 2nd 2nd 3rd 4th 4th 5th 5th 6th 6th	eme week week week week week week week w	on leader in the fi more of classes v arning	to learn with an i uture. will not be eligible Applicable to C C C C C C C C C C C C C	Remo Goals Goals Guidan CROSS Earthq Fsunar Meteorrains, a Sedimerains) Fire, electure	at in real- valuation. Ate Class Ace, What ROAD ga uake disa mi disaste rological cabnormal ent disast [Lectures mergency r]	Instructor Professionally Experienced is a disaster? [Lectures A] me [Motozuka] sters [Lectures A] ers [Lectures A] disasters (typhoons, torrential weather) [Visiting lecturer] ers (earthquakes and torrential
Charact ☐ Active	Plan 3rd	role as a dis Students will of Class / Di Di Di Di Di Di Di Di	eme week week week week week week week w	on leader in the fi more of classes v arning	to learn with an i uture. will not be eligible Applicable to C C C C C C C C C C C C C	Remo Goals Goals Guidan CROSS Earthq Fsunar Meteorrains, a Sedimerains) Fire, electure	at in real- valuation. Ate Class Ace, What ROAD ga uake disa mi disaste vological cabnormal ent disast [Lectures mergency	Instructor Professionally Experienced is a disaster? [Lectures A] me [Motozuka] sters [Lectures A] ers [Lectures A] disasters (typhoons, torrential weather) [Visiting lecturer] ers (earthquakes and torrential A]
Charact Active Course	Plan 3rd	role as a dis Students who of Class / Di Cla	eme week week week week week week week w	on leader in the fi more of classes v arning	to learn with an i uture. will not be eligible Applicable to C C C C C C C C C C C C C	Remo Goals Guidan CROSS Earthq Fsunar Meteorrains, and	ice, What ROAD ga uake disami disaste cological cabnormal [Lectures mergency r.] m exam ge and reservations.	Instructor Professionally Experienced is a disaster? [Lectures A] me [Motozuka] sters [Lectures A] ers [Lectures A] disasters (typhoons, torrential weather) [Visiting lecturer] ers (earthquakes and torrential A] a, and rescue Activities [Visiting estoration of lifelines [Motozuka]
Charact Active Course 2nd Semeste	Plan 3rd	role as a dis Students who of Class / Di Cla	eme week week week week week week week w	on leader in the fi more of classes v arning	to learn with an i uture. will not be eligible Applicable to C C C C C C C C C C C C C	Remo Goals Goals Guidan CROSS Earthq Fsunar Meteorains, as Gedimerains) Fire, electure Midtern Damag Recons Motoz	ite Class ice, What iROAD ga uake disa mi disaste cological cabnormal ent disast [Lectures mergency r] m exam ge and res struction cuka]	Instructor Professionally Experienced is a disaster? [Lectures A] me [Motozuka] sters [Lectures A] disasters (typhoons, torrential weather) [Visiting lecturer] ers (earthquakes and torrential A] a, and rescue Activities [Visiting estoration of lifelines [Motozuka] planning and urban reconstruction
Charact Active Course 2nd Semeste	Plan 3rd	role as a dis Students will of Class / Di Di Di Di Di Di Di Di	eme week week week week week week week w	on leader in the fi more of classes v arning	to learn with an i uture. will not be eligible Applicable to C C C C C C C C C C C C C	Remo Goals Goals Guidan CROSS Earthq Fsunar Meteorrains, as Sedimerains) Fire, erecture Midterr Damag Recons Motoz Topics Motoz	at in real- valuation. ate Class ace, What ace, What ace, What ace disa ani disaste cological cabnormal cat disast [Lectures mergency ar] m exam ace and res atruction acuta] on inforn acuta]	Instructor Professionally Experienced is a disaster? [Lectures A] me [Motozuka] sters [Lectures A] disasters (typhoons, torrential weather) [Visiting lecturer] ers (earthquakes and torrential A] a, and rescue Activities [Visiting estoration of lifelines [Motozuka] planning and urban reconstruction mation in the event of a disaster
Charact Active Course 2nd Semeste	Plan 3rd Quarter	role as a dis Students will of Class / Di Di Di Di Di Di Di Di	eme week week week week week week week w	on leader in the fi more of classes v arning	to learn with an i uture. will not be eligible Applicable to C C C C C C C C C C C C C	Remo Goals Goals Guidan CROSS Earthq Fsunar Meteorrains, a Goaline, electure Midterr Damac Recons Motoz Topics Motoz Doperat Dousin	at in real- valuation. Ate Class Ace, What ROAD ga uake disa mi disaste cological cabnormal ent disast [Lectures mergency r] m exam ge and res struction uka] on inforn uka] ing a she g [Visiting	Instructor Professionally Experienced Is a disaster? [Lectures A] Ime [Motozuka] Isters [Lectures A] Isters [Lectures A] Isters [Lectures A] Isters (typhoons, torrential weather) [Visiting lecturer] Iters (earthquakes and torrential A] Isters (and rescue Activities [Visiting lecturer] Isters (and rescue Activities [Visiting lecturer] Ister and rescue Activities [Visiting lecturer] Ister and living in temporary [Iter and living in temporary [Iter and living in temporary [Iter]
Charact Active Course 2nd Semeste	Plan 3rd	role as a dis Students will of Class / Di Di Di Di Di Di Di Di	eme week week week week week week week w	on leader in the fi more of classes v arning	to learn with an i uture. will not be eligible Applicable to C C C C C C C C C C C C C	Remo Goals Goals Guidan CROSS Earthq Fsunar Meteorrains, a Goaline, electure Midterr Damac Recons Motoz Topics Motoz Doperat Dousin	at in real- valuation. Ate Class Ace, What ROAD ga uake disa mi disaste cological cabnormal ent disast [Lectures mergency r] m exam ge and res struction uka] on inforn uka] ing a she g [Visiting	Instructor Professionally Experienced Is a disaster? [Lectures A] Ime [Motozuka] Isters [Lectures A] Isters [Lectures A] Isters [Lectures A] Isters (typhoons, torrential weather) [Visiting lecturer] Iters (earthquakes and torrential A] Isters (and rescue Activities [Visiting lecturer] In and rescue Activities [Visiting lecturer] Ister and living in temporary
Charact Active Course 2nd Semeste	Plan 3rd Quarter	role as a dis Students will of Class / Di	saster prevention miss 1/3 or ivision in Lead	on leader in the fi more of classes v arning	to learn with an i uture. will not be eligible Applicable to C C C C C C C C C C C C C	Remo Goals Goals Guidan CROSS Earthq Fsunar Meteorrains, a Godina Goals Guidan CROSS Earthq Fsunar Meteorrains, a Godina Goals Goals	at in real- valuation. Ate Class Ace, What ROAD ga uake disa mi disaste valuation and disaste valuation and reserver and	Instructor Professionally Experienced Is a disaster? [Lectures A] me [Motozuka] sters [Lectures A] disasters (typhoons, torrential weather) [Visiting lecturer] ers (earthquakes and torrential A] and rescue Activities [Visiting lecturer] et (earthquakes and torrential A) storation of lifelines [Motozuka] planning and urban reconstruction at the event of a disaster [Motozuka] persons requiring special at event of a disaster [Motozuka] the prevention organizations, ar prevention plans, hazard maps
Charact Active Course 2nd Semeste	Plan 3rd Quarter	The The Ist 1st 2nd 2nd 3rd 4th 4th 5th 5th 6th 7th 8th 9th 10th 10th 11th 12th 12th 13th 13th 14th 1	eme week week week week week week week w	on leader in the fi more of classes v arning	to learn with an i uture. will not be eligible Applicable to C C C C C C C C C C C C C	Remo Goals Goals Guidan CROSS Earthq Fsunar Meteorrains, a Goals Guidan CROSS Formation CROSS Formation CROSS Guidan CROSS Guid	ace, What ROAD gas uake disaste closical cabnormal ent disaste [Lectures mergency rr] m exam ge and restruction ruka] ing a she g [Visiting and ing to pnice in the eer disaste g lecture	Instructor Professionally Experienced Is a disaster? [Lectures A] me [Motozuka] sters [Lectures A] disasters (typhoons, torrential weather) [Visiting lecturer] ers (earthquakes and torrential A] and rescue Activities [Visiting lecturer] et (earthquakes and torrential A) and rescue Activities [Visiting lecturer] planning and urban reconstruction and in the event of a disaster lter and living in temporary glecturer] persons requiring special event of a disaster [Motozuka] er prevention organizations, reprevention plans, hazard maps anagement and business continuity
Charact Active Course 2nd Semeste	Plan 3rd Quarter	role as a dis Students will of Class / Di	eme week week week week week week week w	on leader in the fi more of classes v arning	to learn with an i uture. will not be eligible Applicable to C C C C C C C C C C C C C	Remo Goals Goals Guidan CROSS Earthq Fsunar Meteorrains, a sedime ains, a	at in real- valuation. Ate Class Acce, What ROAD ga uake disa mi disaste valuation and disaste valuation and reservation and	Instructor Professionally Experienced Is a disaster? [Lectures A] me [Motozuka] sters [Lectures A] disasters (typhoons, torrential weather) [Visiting lecturer] ers (earthquakes and torrential A] and rescue Activities [Visiting lecturer] planning and urban reconstruction mation in the event of a disaster lter and living in temporary glecturer] persons requiring special are event of a disaster [Motozuka] er prevention organizations, are prevention plans, hazard maps are prevention plans, hazard maps are prevention plans, hazard maps are prevention and business continuity
Charact Active Course 2nd Semeste r	Plan 3rd Quarter 4th Quarter	The Students will The Students will The Students will Students Students will Students Students will Students	eme week week week week week week week	on leader in the fi more of classes v arning	to learn with an i uture. will not be eligible Applicable to C C C C C C C C C C C C C	Remo Goals Goals Guidan CROSS Earthq Fsunar Meteorrains, a Gedimerains) Fire, energine,	at in real- valuation. Ate Class Acce, What ROAD ga uake disa mi disaste valuation and disaste valuation and reservation and	Instructor Professionally Experienced Is a disaster? [Lectures A] me [Motozuka] sters [Lectures A] disasters (typhoons, torrential weather) [Visiting lecturer] ers (earthquakes and torrential A] and rescue Activities [Visiting lecturer] et (earthquakes and torrential A) and rescue Activities [Visiting lecturer] et (earthquakes and torrential A) and rescue Activities [Visiting lecturer] et (earthquakes and torrential A) and rescue Activities [Motozuka] planning and urban reconstruction mation in the event of a disaster lter and living in temporary glecturer] persons requiring special are event of a disaster [Motozuka] the reprevention organizations, are prevention plans, hazard maps
Charact Active Course 2nd Semeste r	Plan 3rd Quarter 4th Quarter	role as a dis Students will of Class / Di	saster prevention miss 1/3 or ivision in Lead	on leader in the fi more of classes v arning	to learn with an i uture. will not be eligible Applicable to C C C C C C C C C C C C C	Remo Goals Goals Guidan CROSS Earthq Fsunar Meteorrains, a Gedimerains) Fire, electure Midterr Damac Recons Motoz Topics Topics Topics Motoz Topics To	at in real- valuation. Ate Class Acce, What ROAD ga uake disa mi disaste cological cabnormal ent disast [Lectures mergency r] m exam ge and res struction puka] ing a she g [Visiting nding to p nce in the eer disast al disaste g lecture er risk ma Lectures	Instructor Professionally Experienced Is a disaster? [Lectures A] me [Motozuka] sters [Lectures A] disasters (typhoons, torrential weather) [Visiting lecturer] ers (earthquakes and torrential A] and rescue Activities [Visiting lecturer] et (earthquakes and torrential A) and rescue Activities [Visiting lecturer] et (earthquakes and torrential A) and rescue Activities [Visiting lecturer] et (earthquakes and torrential A) and rescue Activities [Visiting lecturer] et (earthquakes and torrential A) et (earthquakes and torrenti

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

А	kashi Co	ollege	Yea	ır	2023			ourse Title	Introduction to Information Processing			
Course	Informa	tion			•							
Course Co		5128				Course Catego	ry	Specializ	ed / Compulsory			
Class Forr	mat	Lecture				Credits		School C	redit: 1			
Departme	ent	Mechanic	cal Engineeri	ng		Student Grade		1st				
Term		First Sen	nester			Classes per We	reek 2					
Textbook Teaching							•					
Instructor	-	TANAKA	Seiichi									
Course	Objectiv	es										
(1) Under processing (2) Under (3) Can ci (4) Can ci	stand and g, and transtand how reate grap	can explair nsmitting in to use the hs. tables.	formation. Internet at and scientific	scho		nile keeping in m	ind the	various i	outer knowledge for collecting, rules in an information society.			
Rubric			T			lc	<u> </u>		T.,			
			Ideal Leve			Standard Level			Unacceptable Level			
Achievem	ent 1		explain th informatic and basic for collect transmitti	e im on et com ing, ng ir	nd can accurately portance of hics and security, puter knowledge processing, and iformation.	Understand an importance of i ethics and secu computer know collecting, proctransmitting in	informa urity, a vledge cessing	ation nd basic for , and	importance of information ethics and security, and basic computer knowledge to collect, process, and transmit information.			
Achievem	ent 2		what they better info communic problems informatio	can orma cate that on so	ith others about do to make a ation society. Can their ideas about may arise in an ociety, and how to when they arise.	Can put the thi to make a bett society into act about problem in an informati handle them w	er infoi tion. Ca s that i on soci	rmation an think may arise ety, and	information society. Do not			
Achievem	Achievement 3			d sc	y produce charts, ientific and iments (reports	Can create cha scientific and to documents (re papers).			Cannot produce charts, tables, or scientific and technical documents (reports or papers).			
			presentati	Can accurately create presentation materials and deliver clear presentations. Can create prematerials and materials and presentations.				on	Cannot create and deliver presentation materials.			
Assigne	d Depar	tment Ob	jectives									
Teachin	g Metho	d										
Outline		In the be basic cor and use necessar presenta	nputer know the networks y to organize	/ledg s and e dat er to	le for collecting, pi d various systems ta, produce scienti conduct experime	ocessing, and tr in the school. Af fic and technical	ansmit ter this docun	ting infor s, student nents (rep	information ethics and security, mation, and learn how to register s will study the techniques oorts and papers), and practice e Department of Mechanical			
Style		the over	n the text that view. There cise in the la	will ł	II be distributed at oe slide-based lect	the beginning oures in the Infor	of the commation	lass, stud Media Ce	ents will learn what were shown in enter, and a computer-based work			
Notice		(1) Exerciac accordar and to be Students (2) If students (3) Students (3) Students	cise in the clance with the ecome famili so do not need udents are no ents should to the class of the control of the class	ass umethiar work far work far work far work far opp	prepare their own miliar with keyboa	personal compurd opersonal compured operation, the eduring the classification of the classification of the classification of the classification of the education of the educatio	ter. ey shou ss, so s nizina le	ıld practio tudents w ecture ma	e Information Media Center in ormation Center in Student Life), e) even outside of the classroom. The keyboard operation early. Will need to practice on their own. Iterials.			
Charact	eristics o	of Class /	Division in	n Le	earning							
☑ Active		•	☑ Aided I			☑ Applicable t	o Rem	ote Class	☐ Instructor Professionally Experienced			
Course	Plan											
			Theme				Goals					
		1st		the I	nternet at school;		Under	stand and	objectives of the course. I can explain information moral,			
					ety and how to hai ster and how it is u		and the safe use of information. Understand the hardware and software, and can use computers at the school.					
1st	1st	3rd	Use of the in	ntern	et 1			stand the	network and can send and receive			
Semeste r	Quarter	4th	Use of the in	ntern	et 2				v to use the campus network and services.			
	1	I	Use of the internet 2					Understand and can explain the importance of science and technology documents.				
		5th	How to write science and technology documents Use of spreadsheet software 1									

		7th	Use of	spreadsheet softwa	are 2		Can organize spreadsheet	e data and drav software.	w a graph using	
		8th	No mic	lterm exam						
		9th	Use of	word processing so	oftware 1	Understand the expression and organization of sentences in scientific and technological documents and can create documents based on them.				
		10th	Use of	word processing so	oftware 2		Can create s containing in	cientific and te formation such	chnical documents n as tables and graphs.	
	2nd 11th	11th	How to	conduct a present	ation		Understand rules of pres	and can explair entations.	n the importance and	
	Quarter	12th	Use of	presentation softw	are 1		Can plan pre materials.	sentations and	I create presentation	
		13th	Use of	presentation softw	are 2		Can plan presentations and create presentation materials.			
		14th	Practic	e of presentation 1		Can transfer	Can transfer/gather information by presentation.			
		15th	Practic	e of presentation 2			Can transfer/gather information by presentation.			
		16th	Final e	xam						
Evaluati	on Met	hod and	Weight	t (%)						
		Exercises		Presentation	Mutual Evaluations between students	Beha	vior	Portfolio	Total	
Subtotal		80		20	0	0		0	100	
Basic Prof	iciency	0		0	0	0		0	0	
Specialize Proficiency		80		20	0	0		0	100	
Cross Area		0		0	0	0		0	0	

А	ıkashi Co	ollege	Year	2023			Course Title	Desigr	n and Drawing I A	
Course	Informa	tion								
Course Co	ode	5129			Course Catego	ory	Specialize	ed / Com	npulsory	
Class For	mat	Practical t	raining		Credits		School Ci			
Departme	ent		I Engineering		Student Grade					
Term	-	First Seme			Classes per W		2			
Textbook Teaching					,					
Instructor	r	SHI Fengl	nui							
Course	Objectiv	es								
(1) Under	rstand the	standards of	mechanical dra prious machinery	wing and can accu and equipment b	urately create on their s	drawing: specifica	s of mecha tions, and	anical pa create	rts, etc. production drawings of	
Rubric										
			Ideal Level		Standard Leve	 		Unacc	eptable Level	
Achievem	nent 1		Understand the	wing and can create drawings	Understand the mechanical draccurately credrawings of metc.	ne stanc rawing a	and can duction	Do no standa drawir create	t understand the ards of mechanical ng and cannot accurately production drawings of anical parts, etc.	
Achievem	ient 2		Can fully designations machine equipment bas specifications, production draw	ed on their and create	Can design m various machi equipment ba specifications, production dra	inery an sed on and cre	id their eate	Canno variou equipr specifi	ot design major parts of s machinery and ment based on their cations, and create ction drawings of them.	
Assigne	d Depar	tment Obj	ectives			-				
	g Metho									
Outline		Students machines This cours design in	that are useful i le will be held in a company. He v	n living, and they a lecture style, ar	will master dra nd taught by a ence to teach s	awing te faculty tudents	chniques. member w how to re	vho is er present	cessary to produce gaged in mechanical drawings, including the	
Style				ne with the textbo						
Notice Charact	eristics	many thin submitted Students	gs to learn, stud by the due date	lents should pract e. more of classes v	ice with patien	ce and p	perseverar	n about i nce. Assi	rules. While there are gnments must be	
	Learning	o. o.do , .	☐ Aided by IC		☑ Applicable	to Rem	ote Class	☑ Ins Experi	tructor Professionally enced	
Ca	Dlaw									
Course	Pian	I I-	1							
		1st s	heme lachine definitior cale, line, charac epresentation	ns and design draw ter type, and draw	Goals wing, drawing wing Learn about JIS standards, drawing scal and character types, etc.					
		2nd T	op view drawing			Learn top view drawing.				
		2rd D	rawing exercise	[1] (how to use o				k in the	in the exercise of top view	
	1st Quarter	Jiu li	nes, top view dr	awing)		_	drawing. Learn third-angle projection and orthogra			
	ا عرادا		rojection drawin			projec	tion draw	inġ. ´		
		5th P	rojection drawin	g (2)		Learn orthographic projection drawing.			ection drawing.	
		6th A	uxiliary projection	n drawing		Learn	auxiliary p	orojectio	n drawing.	
1st		7th S	ection view drav	ving (1)		Under	stand sect	ion view	drawing.	
							Drawing exercise or short test			
Semeste r	8th D	rawing exercise	or short test		Drawi	ng exercis	Learn full section view, one-sided section view and partial section view drawing.			
Semeste r		9th S	ection view drav	ving (2)		Learn and p	full sectio artial secti	n view, on view	rt test one-sided section view, drawing.	
Semeste r		9th S	ection view drav	ving (2) ving (3)		Learn and p	full sectio artial secti multi-sect	n view, o on view tion view	rt test one-sided section view, drawing. drawing.	
Semeste r		9th S 10th S 11th S	ection view drav	ving (2) ving (3)		Learn and p	full sectio artial secti	n view, o on view tion view	rt test one-sided section view, drawing. drawing.	
Semeste	2nd	9th S 10th S 11th S	ection view drav	ving (2) ving (3)		Learn and p Learn Learn	full sectio artial secti multi-sect	n view, oon view cion view ojection	rt test one-sided section view, drawing. drawing.	
Semeste	2nd Quarter	9th S 10th S 11th S 12th D	ection view drav ection view drav pecial projection	ving (2) ving (3)		Learn and po Learn Learn Learn	full sectio artial secti multi-sect special pr	n view, on view ion view ion view ojection ning.	rt test one-sided section view, drawing. drawing.	
Semeste r		9th S 10th S 11th S 12th D 13th D	ection view dravection view dravection view dravection projection imensioning (1)	ving (2) ving (3)		Learn Learn Learn Learn Learn	full sectio artial secti multi-sect special pr dimensior	n view, on view cion view ojection ning.	rt test one-sided section view, drawing. drawing.	
Semeste r		9th S 10th S 11th S 12th D 13th D 14th D	ection view drav ection view drav pecial projection imensioning (1) imensioning (2)	ving (2) ving (3) drawing		Learn	full sectio artial secti multi-sect special pr dimensior dimensior dimensior	n view, on view cion view ojection ning. ning. ning. ning.	rt test one-sided section view, drawing. drawing. drawing.	
Semeste r		9th S 10th S 11th S 12th D 13th D 14th D	ection view dravection view dravection view dravection pecial projection imensioning (1) imensioning (2) imensioning (3)	ving (2) ving (3) drawing		Learn	full sectio artial secti multi-secti special pr dimensior dimensior dimensior three-dim	n view, on view cion view ojection ning. ning. ning. ning.	rt test one-sided section view, drawing. drawing. drawing.	
r	Quarter	9th S 10th S 11th S 12th D 13th D 14th D 15th T	ection view draw ection view draw pecial projection imensioning (1) imensioning (2) imensioning (3) hree-dimensiona inal exam	ving (2) ving (3) drawing		Learn	full sectio artial secti multi-secti special pr dimensior dimensior dimensior three-dim	n view, on view cion view ojection ning. ning. ning. ning.	rt test one-sided section view, drawing. drawing. drawing.	
r	Quarter	9th S 10th S 11th S 12th D 13th D 14th D 15th T 16th F ood and W	ection view draw ection view draw pecial projection imensioning (1) imensioning (2) imensioning (3) hree-dimensiona inal exam	ving (2) ving (3) drawing		Learn	full sectio artial secti multi-sect special pr dimensior dimensior dimensior three-dim and cabine	n view, on view cion view ojection ning. ning.	rt test one-sided section view, drawing. drawing. drawing.	
Evaluati	Quarter	9th S 10th S 11th S 12th D 13th D 14th D 15th T 16th F ood and W	ection view draw ection view draw pecial projection imensioning (1) imensioning (2) imensioning (3) hree-dimensiona inal exam eight (%)	ving (2) ving (3) drawing al drawing Exercises	+	Learn	full sectio artial secti multi-sect special pr dimensior dimensior dimensior three-dim and cabine	n view, on view cion view ojection ning. ning.	rt test cone-sided section view, drawing. drawing. drawing. drawing using isometric tion.	
r	Quarter ion Meth	9th S 10th S 11th S 12th D 13th D 14th D 15th T 16th F	ection view draw ection view draw pecial projection imensioning (1) imensioning (2) imensioning (3) hree-dimensiona inal exam eight (%)	ving (2) ving (3) drawing		Learn Niew a	full sectio artial secti multi-sect special pr dimensior dimensior dimensior three-dim and cabine	n view, on view cion view ojection ning. ning.	rt test cone-sided section view, drawing. drawing. drawing. I drawing using isometric tion.	

Cross Area Proficiency 0 0 0

А	kashi Co	ollege	Year	2023		Course Title	Design and Drawing I B		
Course	Informa	tion							
Course Co	ode	5130	· · · · · · · · · · · · · · · · · · ·		Course Categor	ry Specializ	ed / Compulsory		
Class For	mat	Practical tra	aining		Credits	School C	Credit: 1		
Departme	ent	Mechanical	Engineering		Student Grade	1st			
Term		Second Ser	nester		Classes per We	ek 2			
Textbook Teaching									
Instructor	r	SHI Fengh	ıi						
Course	Objectiv	es							
(1) Under (2) Can d them.	rstand the lesign maj	standards of or parts of var	mechanical dra ious machinery	wing and can accu and equipment b	urately create dr pased on their sp	awings of mech pecifications, and	anical parts, etc. d create production drawings of		
Rubric									
			Ideal Level		Standard Level		Unacceptable Level		
Achievem	nent 1		Understand the mechanical dra fully accurately of mechanical	wing and can create drawings	Understand the mechanical dra accurately crea drawings of meetc.	wing and can te production	Do not understand the standards of mechanical drawing and cannot accurately create production drawings of mechanical parts, etc.		
Achievem	nent 2		Can fully design various machin equipment bas specifications, production dra	ed [°] on their and create	Can design may various machin equipment base specifications, a production dray	ery and ed on their and create	Cannot design major parts of various machinery and equipment based on their specifications, and create production drawings of them.		
Assiane	d Denar	tment Obje	•	<u> </u>		5			
	ig Metho								
reacrim	ig Metric		وما وماء مسوما الن	-i- llodeod	lloo ofoobo.	nical dociona dua	wings necessary to produce		
Outline		machines t This course design in a	hat are useful i will be held in company. He y	n living, and they a lecture style, ar will use his experie	will master draved taught by a face to teach students	ving techniques aculty member of udents how to re			
Style		Lectures w	ill be given in li	ne with the textbo	ook, and practice	e problems will b	pe assigned.		
Notice		many thing submitted l Students w	s to learn, stud by the due date tho miss 1/4 or	dents should pract e. more of classes v	ice with patience	e and persevera	n about rules. While there are nce. Assignments must be		
Charact	eristics	of Class / D	ivision in Le	arning					
□ Active	Learning		☐ Aided by IC	T	☑ Applicable to	o Remote Class	☐ Instructor Professionally Experienced		
Course	Plan								
Course	riaii	Th	eme			Goals			
		+		enness and fit (1)			d dimension telegrapes and fit		
				rances and fit (1)		Can understand dimension tolerances and fit. Can mention dimension tolerances and fit in the			
		2nd Dii	mensional toler	ances and fit (2)		drawings.			
		3rd Ge	ometric tolerar	nce representation	(1)	Understand the definition, type, etc. of geometrical tolerances.			
	3rd Quarter	4th Ge	ometric tolerar	nce representation	1 (2)	the drawings.	mention geometric tolerances in		
	Qua. co.		rface texture re	·		Understand sur the drawings.	face texture and can mention it in		
			stening compoi rews)	nents (method of	displaying the	Can draft draw	ing of the fastening parts.		
2nd		7th Dr	awing exercise	(fastening parts)		Drawing			
Semeste		8th Dr	awing exercise	or short test			se or short test		
r		9th Be	aring represent	tation		to draft drawing			
			ar representati	on (1)		Can identify the its each part.	e types of gears and the names of		
		11th Ge	ar representati	on (2)		Can create a st	andard flat gear drawing.		
	4th			(rotary shaft and		Can create drav	wings of rotary shafts and gears.		
	Quarter		oduction drawir agrams)	ngs (assembly dra	wings and part	Can create prod	duction drawings.		
		14th Dr	awing exercise	(screw jack)		Can create asse	embly and part diagrams.		
				ication of mechani Mechanical exper		Can have an Au	utoCAD Mechanical experience.		
		16th Fir	nal exam						
		TOUT THE	iai exaiii						
Evaluati	ion Meth	nod and We							

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

A	kashi Co	ollege	Year	2023			ourse Title	Manufacturing Engineering Practice I A
Course	Informat	tion	1					,
Course Co		5131			Course Categor	rv	Specializ	ed / Compulsory
Class Forr		Practical	training	Credits	,	School C	· · · · · · · · · · · · · · · · · · ·	
Departme		_	cal Engineering	Student Grade		1st		
Term		First Ser			Classes per We		2	
Textbook Teaching	and/or Materials				,		. —	
Instructor		KATOH	Takahiro,OHMOR	I Shigetoshi				
(1) Can ca (2) Can us (3) Can re (4) Can ca (5) Can ad (A) Ui (B) Ui	se the equeport in wrearry out exception out	kercises basipment and iting, orally kercises by ic knowled, the basics the basics	d devices correct y, etc. working togethe ge and skills in m and precautions and precautions	er as a group. nechanical engineer of sand casting, an of welding and can	ring. nd can cast alum n use arc welding	g.	Irilling ta	pping with tap dies, and marking.
	iluei Stailu	trie basics	and precautions	oi nanu-iinisneu w	ork, and can pe	1101111 0	irilling, ta	pping with tap dies, and marking.
Rubric			Ideal Level		Standard Level	1		Unaccontable Level
Achievem	ent 1		Can fully carr	y out exercises instructions and	Can carry out e	exercise	es based d	Unacceptable Level Cannot carry out exercises based on the instructions and
			procedures pr Can use equip	rovided. Diment and devices	instructions pro	ovided.		instructions provided.
Achievem	ent 2		sufficiently an	d correctly.	correctly.			devices correctly.
Achievem	ent 3		Can report su writing, orally	, etc.	Can report in wetc.	vriting,	orally,	Cannot report in writing, orally, etc.
			Can carry out working toget while encoura members.	ther as a group	Can carry out e working togeth			Cannot carry out exercises by working together as a group.
					Understand the basics and precautions of sand casting, and can cast aluminum.		and asting, ar	Do not understand the basics and precautions of sand casting, and cannot cast aluminum.
			Understand the precautions of and can fully lathe machini	f lathe machining, perform basic	precautions of lathe machining, and can perform basic lathe			Do not understand the basics and precautions of lathe machining, and cannot perform basic lathe machining.
			precautions o	Understand the basics and precautions of hand-finishing, and can accurately perform drilling, threading with tap dice and marking. Understand the basics and precautions of and can perform threading with tap dice and marking.			nishing ng,	Do not understand the basics and precautions of hand-finishing, and cannot perform drilling, threading with tap dice, or marking.
Assigne	d Depart	tment Ob	ojectives					
	g Metho		•					
Outline	g Metrio	The cour	rse involves basion de la comunicación de la comuni	exercises to becor ques through basic	me familiar with working motions	individ s. 2. Ma	lual elements	ental work. The goals are: 1. correct working procedures and h things quantitatively.
Style		Students	s will split into six	x groups and carry	out different ass	signmei	nts in tur	n.
		Wear pr	oper protective e	n a factory tour to c equipment. Always	take responsible	action	, and wo	rk safely. Listen carefully to
Notice		explanat machine	tion by the instru ery and tools use	ictor on the structu	re, function, and	d opera	tion of th	e equipment. Correctly handle the
Charact	eristics o	of Class /	Division in L	earning				
□ Active	Learning		☐ Aided by I	СТ	☑ Applicable to	o Remo	ote Class	☐ Instructor Professionally Experienced
	-1							
Course	Plan							
			Theme			Goals		
		1st	Introduction edu	ıcation I (Kato and	Omori)			v to use the training factory.
		2nd	Introduction edu	ucation II (Kato and	d Omori)	instrur		basics of measurement d use vernier calipers and
<u>1</u> st	1st	3rd	Casting basic ex	ercise I (Kato and (Omori)	the cas	sting tool	history of castings, the names of s, and how to use sticks and
Samacta L						stamps Understand how to measure the hardnes mold, how to cast in the lower mold, how		
Semeste r	Quarter	4th	Casting basic ex	ercise II (Kato and	Omori)			
Semeste r	Quarter	4th 5th		ercise II (Kato and ercise III (Kato and	,	in thé Unders	upper mostand the cut the	types and roles of the ingrates, ingrate, and how to remove the

		7th	Lathing basic exerc	ise I (Kato and Omori)		Understand the safety in exercise and working knowledge of the exercise and understand the structure.		
		8th	Factory tour		Can deepen knowledge system and production	and insight of production control.		
		9th	Lathing basic exerc	ise II (Kato and Omori)		Can perform drilling and	d outer round milling.	
		10th	Lathing basic exerc	Lathing basic exercise III (Kato and Omori)			ns and perform stepped	
		11th	Lathing basic exerc	ise IV (Kato and Omori)	Can perform end facing	and finishing.		
	2nd	12th	Hand-finishing basi	c exercise I (Kato, Omori)	Understand correct use of hand tools such as file			
	Quarter	13th	Hand-finishing basi	c exercise II (Kato, Omori)		Can perform threading	with tap dice.	
		14th	Hand-finishing basi	c exercise III (Kato, Omori)		Understand the basic us	se of marking and tools.	
		15th	Hand-finishing basi	Hand-finishing basic exercise IV (Kato, Omori)			h small drilling machines	
		16th	No final exam	No final exam				
Evaluati	ion Meth	od an	d Weight (%)					
			Report	the work	В	ehavior	Total	
Subtotal		60		20	2	0	100	
Basic Prof	ficiency	(0	0	0		0	
Specialize	d Proficier	ісу (60	20	2	0	100	
Cross Are	a Proficien	су (0	0	0		0	

А	kashi Co	ollege	Yea	Year 2023			(Course Title	Manufacturing Engineering Practice I B		
Course	Informa	tion									
Course Co	ode	5132				Course Catego	ry	Specialize	ed / Compulsory		
Class For	mat	Practical	training			Credits		School C	redit: 1		
Departme	ent	Mechanic				Student Grade		1st			
Term		Second S	Semester Classes per Week 2								
Textbook Teaching		Hand out	uts								
Instructor	٢	КАТОН Т	akahiro,OH	MORI	Shigetoshi						
Course	Objectiv	es									
(2)Can u (3)Can m (4) To col (5)To can (a)Unde (b)Unde (c)To d	se correctly ake writte ake writte nduct pract acquire be erstand the erstand the isassemble	ly the equip n and spoke tical trainin asic knowle e basics and e basics and and assem	ment and ren reports. g in cooperadge and skill precaution brecaution	machi ation lls rel is of l is of r es us	with the group ated to mechanica athe work and to pathing work and pathing work and pathing tools correctly.	ıl engineering. perform basic tu erform basic cut	tina v	vork.	of tools and the mechanism of		
Rubric						1					
			Ideal Lev	el		Standard Level			Unacceptable Level		
Achievem	ent 1		based on	the p and ii	nstructions	The student ca on the procedu instructions pro advance.	ire ma	anuals and	The student can not practice based on the procedure manuals and instructions prepared in advance.		
Achievem	ent 2		The stude use the e machiner	quipr	an correctly well nent and	The student ca the equipment			The student can correctly not use the equipment and machinery.		
Achievem	ent 3				an elaborate e written and oral	The student ca written and ora			The student can elaborate not written and oral reports.		
Achievem	ent 4		practical	traini ng in	the group and	practical training while			The student can not conduct practical training while cooperating in the group.		
Achievem	ent 5 (a)	1	The stude		n use welding	The student can understand the basics and precautions of welding and can use arc welding.			The student can not understand the basics and precautions of welding or can not use arc welding.		
Achievem	ent 5 (b))	The student can understand the basics and precautions of milling work, and can sufficiently perform simple cutting work.			The student ca basics and pred milling work, a simple cutting	cautio nd ca	ns of n perform	The student can not understand the basics and precautions of milling work, and can not perform simple cutting work.		
Achievem	ent 5 (c)		The stude understar machine assembly	nd the from	e structure of a disassembly and	ructure of a structure of a magnetic structure of a ma			The student can not understand the structure of a machine from disassembly and assembly this machine.		
Assigne	d Depar	tment Ob	The state of the s								
Teachin	g Metho	d									
Outline	<u> </u>	To becor	me familiar v ork operations safely.3. D	with bons. 2 Develo	pasic practical and L. Learn the correct op a habit of dealir	individual work t work procedur ng with things qu	1. Un es an uantit	derstand a d develop a atively.	nd acquire basic technics through attitudes and habits to operate the		
Style		The stud visit will	ents are org deepen the	ganize stude	ed into six groups a ents' knowledge of	and will carry ou production met	ut pra hods.	ctical exerc	ises in rotation. Also, a factory		
Notice		instructo	r's explanat	ion of	f the equipment st	ructure, function	n, and	loperation	and listen carefully to the , yo handle the machines and tools		
Ch a ua ab		-			more of classes v	viii not be eligibi	e for	evaluation.			
Charact	eristics (or Class /	Division i	n Le	arning	1					
□ Active	Learning		□ Aided	by IC	CT	☑ Applicable t	o Ren	note Class	☐ Instructor Professionally Experienced		
Course	Plan										
Course	lull	[·	Theme				Goals				
				sic Tr	aining I (Kato / Or	nori)	To u	nderstand v	welding principles, welding work		
							safet	y and how	to wear protective gear properly. welder structure and its tools, to		
2nd	3rd				aining II (Kato / O		gene	rate arcs.	<u> </u>		
Semeste	Quarter				aining III (Kato / C aining IV (Kato / C	,	To do	o temporar	nd weaving beads y attachment work and fillet		
						-	weld	ing.	structure and how to perform		
		5th	Milling basic	train	ing I (Kato / Omo	rı)	millir	ng training	safely.		

	1 1									
		6th	Milling basic	training II (Kato / Om	ori)		nufacture a square pil g cutter.	lar using a face		
		7th	Milling basic	training III (Kato / On	nori)	To manufacture a square pillar using a face milling cutter.				
		8th	Factory tour				eepen your knowledge ction systems and pro	e and insight of duction management.		
			Milling basic	training IV (Kato / Om	nori)		stand the conditions for pillar using a face mi			
		10th	Vehicle disas (Omori)	sembly and assembly	training I	Under	stand the basic princip	oles to hand tools.		
		11th	Vehicle disas (Omori)	sembly and assembly	training II	Under	stand the basic princip	oles to hand tools.		
	4th		Vehicle disas (Omori)	sembly and assembly	training III	To disassemble and understand the structure of a four-wheel buggy.				
	Quarter	13th	Vehicle disas (Omori)	sembly and assembly	training IV	To ass	semble the disassembl	ed four-wheel buggy.		
		14th	Assignment			Accurately summarize the knowledge and skills acquired in the practical training.				
		15th	Factory visit	field trip(Kato / Omo	ri)	To can understand the work process of a production site by visiting a production factory				
		16th	No end term	exams						
Evaluat	ion Meth	od and	Weight (%))						
		Examir		Assignments	Product		Behavior	Total		
Subtotal		0		60	20		20	100		
Basic Pro	ficiency	0		0	0		0	0		
Specialize Proficience		0		60	20		20	100		
Cross Are Proficienc		0		0	0		0	0		

А	Akashi College		Year	2023				Practice on Mechanical
Course 1				L			itle	Engineering I A
Course Co		5133			Course Categor	rv	Specialize	ed / Compulsory
Class Forn		Practical	training		Credits			
Departme		1	cal Engineering		Student Grade		1st	
Term		First Sen		cter Classes per Week 2				
Textbook Teaching		Handout						
Instructor			ITA Tomohiro					
(2) Engine (3) Creativ (4)Commu (5) Collab	eering Bas eer ethics: vity: As ar unication s orativenes ering litera	ics: Explain Explain the engineer, skills: To be s: To be ab acv: Unders	e relationship be explain the mea a able to write ar ble to work in gro	between mechanical of tween mechanical of ning of creativity. Ind speak compression oups and consult of tion manual for pra	engineering and bly, listen and u thers.	nature/ Indersta	society. nd other	s' opinions. the instruments and correctly
Rubric								
			Ideal Level		Standard Level			Unacceptable Level
(1) Engine	eering Bas	ics	relationship be	ngineering and pply scientific	The student ca relationship bet mechanical eng science.	tween		The student can not explain the relationship between mechanical engineering and science.
(2) Engine	eer ethics		relationship be mechanical er	ngineering and /, practice and	The student carelationship bet mechanical enginature/society.	tween gineering		The student can not explain the relationship between mechanical engineering and nature/society.
(3) Creativity			meaning of cr	be able to develop new value to	meaning of creativity as an			The student can not explain the meaning of creativity as an engineer.
(4) Comm	nunication	skills	ask guestions	an write and ssibly, listen and thers' opinions, to allow a better of the topic.	The student can write and speak compressibly, listen and understand others' opinions.		ten and	The student can not write or speak compressibly, listen or understand others' opinions.
(5) Collab	orative ab	ility	The student copinions with work together	each other and	The student can cooperate with group work.		rate with	The student can not cooperate with group work and works alone.
(6) Engine	eering liter	асу	instruction ma work, and saf instruments a	anual for practical ely operate the	The student can understand the instruction manual for practical work, and safely operate the instruments and correctly acquire data from the equipment.		practical te the	The student can not understand the instruction manual for practical work and can not safely operate the instruments or acquire data from the equipment.
Assigned	d Depart	ment Ob	jectives					
Teachin	g Metho	d						
Outline		creative	essential knowled work and manuf kistence with nat	acturing. Understa	al engineer thround the relationsh	ugh prac hip betw	ctical lear veen med	ning and experience how fun is chanical engineering and science
Style				g of the knowledge	acquired in lecti	ures and	d experie	ncing it practically.
Notice		To be ab	le to self learn a	nd participate posit				nt study of specialized subjects
Chara -	owietie -		bsences will be e					
		or Class /	Division in Le					☐ Instructor Professionally
☑ Active	Learning		☐ Aided by I	СТ	☑ Applicable to	o Remot	te Class	Experienced
Course I	Plan							
222.30			Theme			Goals		
			Mechanical Engir	neering and Natura ing Mechanical Eng	Sciences (1): ineering!			efinitions of machinery and
1-4		2nd	Mechanical Engir Simple Physics E to Mechanical Er	neering and Natura experiments and Its	l Sciences (2): Applications		nena and	emonstrate examples of natural l laws of nature applied to
1st Semeste r	1st Quarter	3rd		re and Strength (1)): Making a			ve shape to ideas.
		4th		re and strength (2)	: Load capacity	To safe	ly operat	red measuring instruments.
			Machine Structu	re and Strength (3)): Contest	Explain	the mea	ning of creativity as an engineer.

		1	Marabina Ci	-t	\. II					
		6th	strength chai	cture and Strength (4) nges according to stru- force is applied.): How cture, shape	Explai engine	Explain the relationship between mechanical engineering and science.			
		7th	Machine Stru paper crane	cture and Strength (5)): Making of		cically and scientifically and apply them.	vevaluate the ideas of		
		8th	Machine Stru capacity cont	cture and Strength (6) test 2): Load	To obs	serve the works of oth ifically and logically.	ers and analyze it		
		9th	Machine Stru presentation	cture and Strength (7)): Paper crane	To per under	form comprehensible stand others' presenta	presentations and to tions.		
		10th	Machine Mec Mechanism	hanism (1): Investigat	tion of Link	To inv	estigate into some ap anism.	plications of link		
		11th	Machine Mec Assembly	hanism (2): Link Mech	anism	To foll	ow the manual and sessemble some models	elect some right parts, of link mechanism.		
	2nd Ouarter	12th	Machine Mec Reproduction	hanism (3): Observati of Toy Motion	on and	To be able to understand a complicated motion of toy consists of some basic mechanisms. Can cooperate with group members and reproduce link mechanism model for toy motion by measurements.				
		13th	Mechanical E History of Me Coexistence	ngineering and Nature echanical Engineering a with Nature		olain the relationship beering and nature.	petween mechanical			
		14th	Mechanical E History of Me Coexistence	ngineering and Nature echanical Engineering a with Society	e / Society (2): and	To expending	To explain the relationship between mechanical engineering and society.			
		15th	Comprehensi	ve exercise		Explain an application of mechanical engineering theory or technology into an industrial product.				
		16th	No end term	exams		, 5,				
Evaluati	on Meth	od an	d Weight (%)							
		Effor	t attitude	work	Assignments		Presentation	Total		
Subtotal		10		40	35		15	100		
Basic Prof	iciency	0		20	20		5	45		
Specialize Proficiency				5	0		5	10		
Cross Area Proficiency		10		15	15		5	45		

А	kashi Co	ollege	Year	ear 2023		Cou		Practice on Mechanical Engineering I B	
Course 1	Informat	tion	•						
Course Co	ode	5134			Course Categor	ry Sp	ecialize	d / Compulsory	
Class Forn	mat	Practical t	raining		Credits	Sc	School Credit: 1		
Departme	nt	Mechanica	l Engineering		Student Grade		1st		
Term		Second Se	emester Classes per Week			eek 2			
Textbook Teaching		Hand outs	;						
Instructor	•	КАТОН Та	kahiro,OHMORI	Shigetoshi					
Course (Objectiv	es							
 Fundamentals of engineering: Can explain the relationship between mechanical engineering and science. Engineering ethics: Can explain the relationship between mechanical engineering and nature and society. Creative ability: Can explain the meaning of creativity as an engineer. Communication skills: Can write and speak so that others understand, and can listen to and understand others' opinions. Basic skills: Can understand the characteristic concepts of 3D-CAD, which is also one of the communication tools of an engin and create models with it. Engineering literacy: Can understand the instructions for practical training and follow them to safely operate measuring instruments and obtain data. 									
Rubric									
rabite			Ideal Level		Standard Level			Unacceptable Level	
			Can explain the	relationship	Staridard Ecver			onacceptable zever	
Achievem	ent 1		between mech- engineering an apply scientific engineering iss	anical d science, and knowledge to	Can explain the between mechaengineering an	anical		Cannot explain the relationship between mechanical engineering and science.	
Achievem	ent 2		Can explain the between mech- engineering an society, and ca one's thoughts	anical d nature and n apply it to	Can explain the creativity as an			Cannot explain the relationship between mechanical engineering and nature and society.	
Achievem	ent 3		Can explain the creativity as an use others' crenew value.		Learn basic abilities as a mechanical engineer.			Cannot explain the meaning of creativity as an engineer and will try to solve it only with one's own ideas.	
Achievem	ent 4		Can write and speak so that others understand, listen to others' opinions, and ask appropriate questions to deepen one's own and other's understanding.			and, and d	can	Cannot write or speak so that others understand. Also, cannot understand others' opinions.	
Achievem	ent 5		Can fully understand the characteristic concepts of 3D-CAD and create models freely with it Understand the concepts of 3D create models parts, etc.			-CAD and	can	Do not fully understand the characteristic concepts of 3D-CAD and cannot create models with it	
Achievem	ent 6		Can understand the instructions for practical training and follow them safely and properly to operate measuring equipment and obtain reliable data. Understand the instructions practical work are them to safely of measuring equipment obtain data.			and can fo operate	llow	Do not understand the instructions for practical training and cannot follow them to operate measuring equipment properly and safely.	
Assigned	d Depart	tment Obj	ectives						
Teachin	g Metho	d							
Outline		Students v	will gain basic at uity. They will u ce of nature and	nderstand the rela	nical engineer b ationship betwee	y empirica en mechar	ally learr nical eng	ning the joy of manufacturing jineering and science and the	
Style			will gain knowled eir understandin		d in an omnibus	format, a	and expe	erience it in practical training to	
Notice		directed a	pproach to learn	e in the study of t ing. more of classes w	·		•	udents should learn a self-	
Characte	eristics o		Division in Le						
□ Active		,	☑ Aided by IC		☐ Applicable t	o Remote	Class	☐ Instructor Professionally Experienced	
Course I	rian					CI			
		t t	heme	'AD (1) (0 :)		Goals			
			ssembly in 3D-C					assembly principles in 3D-CAD.	
			ssembly in 3D-C		. (1) (0			assembly principles in 3D-CAD.	
3				on using assembly				ngs that contain assemblies.	
2nd Semeste	3rd			on using assembly	· / · /			ngs that contain assemblies.	
r	Quarter			on using assembly	· / · /			ngs that contain assemblies.	
		6th D	rawing production	on using assembly	/ (4) (Omori)			ngs that contain assemblies.	
			isaster preventic catoh)	on contest: Guidar	nce and DIG	such as e	arthqua	n a group the impact of disasters kes and floods from a map of study possible countermeasures.	

		8th	Disaster preventi (katoh)	on contest: Guidance	and DIG	Can discuss within a gro such as earthquakes an Akashi City, and study p	oup the impact of disasters d floods from a map of possible countermeasures.
		9th	Disaster preventi	on contest: Ideas con tion (katoh)	S conference, Can hold an idea conference in teams missions in the disaster field, and ma robots to complete them.		
		10th	Disaster preventi	on contest: Pre-conte	st (katoh)	Can clear the missions i identify problems using robot.	
		11th	Disaster preventi (katoh)	on contest: Robot imp	orovement	Can propose improvement identified in the pre-conrobots in teams.	ent plans to the problems itest and improve the
	4th Quarter	12th	Disaster preventi	on contest: Presentat	ion (katoh)	Can present the ideas a produced by each team	
		13th	Disaster preventi evaluation (katol	on contest: Contest a า)	nd mutual	Can complete the mission using the robots product reflect on their own efforts.	ons in the disaster field by each team and then ort within their team.
		14th	Factory tour			Attend a factory tour ar	nd can create a report.
		15th	Video learning			Watch video materials rengineering and can wrimpression.	
		16th	No final exam				
Evaluati	on Meth	od ar	nd Weight (%)				
			Behavior	Works	I	Issues / Reports	Total
Subtotal			20	40	4	40	100
Basic Prof	iciency		0	0	(0	0
Specialize	d Proficier	псу	0	40	4	40	80
Cross Are	a Proficier	псу	20	0	(0	20

Δ	kashi Co	ollege	Year	2023		(Fundamentals of Engineering		
Course	Informa	tion								
Course Co		5135	<u> </u>							
Class For	mat	Lecture			Credits		School Ci	redit: 1		
Departme	ent	Mechanic	al Engineering		Student Grade		1st			
Term		Second S			Classes per We					
Textbook Teaching				d distribute the ha						
Instructo	r	KUBOTA	Ikumi							
Course	Objectiv	es								
1. Can co experime 2. Can in	ncisely exp	plain various s in the field	ds of science/ma	ing the vocaburary th and engineering terest and write lo	j			articipate in lectures and se.		
Rubric			T-1 11 1		la			T.,		
			Ideal Level		Standard Level			Unacceptable Level		
Achievem	ent 1		and expression		Can adequately and expression fields of science engineering to phenomena, w the content cov classes.	s used e/mat explai ithin t	d in the h and n various he scope o	Cannot use vocaburary and expressions used in the fields of science/math and engineering.		
Achievem	ent 2		according to t	te and analyze he plan, and write sistent sentences es of contents investigation.	Can investigate plan and write contents relate investigation.	a seri	es of	Cannot research or write according to the plans.		
Assigne	d Depar	tment Ob	jectives							
Teachin	g Metho	 od								
Outline		participat knowledg analyzed	e in our school's je in practice. In in simple Japan	s science/math and addition, the lessonses.	d specialized sub ons are aimed at	jects (sumr	classes, an marizing w	rocabulary necessary to d to be able to use the acquired nat you have researched and		
Style		vocabular	ry and expressio	ns. In other words	s, this class is po	sitione	ed as a pla	llel with the acquisition of ce for practicing not only casks and writing cohesive		
Notice		writing a	ccording to their	t only to participat own plans. more of classes v	·		·	eed with surveys and report		
Charact	eristics	of Class /	Division in Le	earning						
☑ Active	Learning		☐ Aided by I	СТ	☑ Applicable to	o Rem	note Class	☐ Instructor Professionally Experienced		
Course	Plan									
	1.0	-	Theme			Goals	1			
		1ct (Orientation Survey plan			Unde Can p	rstand the	class objectives and content. esearch on the theme of what you		
		2nd E	Expressions rela	ted to figures, unit	s, and positions	Unde to fig	rstand by I ures, units	ooking at the expressions related , and positions. Can also use explain things around you.		
			Expressions relaterating a plan	ted to substances		Unde Can a you.	rstand exp also use ex	ressions related to substances. pressions to explain things around pgether a survey plan in Japanese.		
	24	4th E	Expressions that	express properties	s and states	and s		ressions that express properties also use expressions to explain ou.		
2nd Semeste r	3rd Quarter	5th E	Basic hand move	ements		move		os that describe basic hand d can use them to explain various		
•		6th E	Basic movement	s for moving thing	S	move	ments to r	os that describe the basic nove things, and can use them to movements.		
		7th E	Basic movement Revise the plan	s that change the	shape of things	move can u	ements that se them to evise the p	os that describe the basic t change the shape of things, and explain various movements. lan yourself with the advice of the		
		8th F	Reflection			Can explain new things you found out in class, things that changed their minds, and how your Japanese abilities and skills have developed.				
	4th Quarter	9th	Sentence style			Unde treati	rstand the ses, and be	writing style used in reports and e able to write sentences in a en writing sentences.		

	10th	Difference between s Objective expression	poken and written language	Understand the proper Japanese. Can understa	use of spoken and written and expressions suitable m when writing sentences.		
	11th	Structure of the repo	rt	Understand the structu			
	12th	Creating a mini-repo	t	Can conduct a survey be summarize the survey is appropriate structure.	Can conduct a survey based on the plan and summarize the survey in Japanese with an appropriate structure.		
	13th	Creating a mini-repor	t	Can conduct a survey be summarize the survey is appropriate structure.	ased on the plan and n Japanese with an		
	14th	Creating a mini-repo	t	Can conduct a survey be summarize the survey is appropriate structure.	Can conduct a survey based on the plan and summarize the survey in Japanese with an appropriate structure.		
	15th	Creating a mini-repo	t	Can modify the content of the report by yourse advice of the teacher.	, structure and Japanese If with reference to the		
	16th	Reflection		Can explain new things things that changed the Japanese abilities and s	you found out in class, ir minds, and how your kills have developed.		
Evaluation Me	thod an	d Weight (%)		•			
	Production work		Submission of assignments	Behavior	Total		
Subtotal		70	20	10	100		
Basic Proficiency		35	20	0	55		
Specialized Profici	ency	0	0	0	0		
Cross Area Profici	ency	35	0	10	45		

	kashi Co	ollege	Year	2024		Course Title	Japanese II-1
Course	Informa	tion					
Course Co		6201			Course Categor	·	/ Compulsory
Class Forr		Lecture			Credits	School C	redit: 1
Departme	ent	_	cal Engineering		Student Grade	2nd	
Term		First Sen		WC (80) (+ s+)	Classes per We)
Textbook Teaching	Matérials	『精選論 習社)		学国語』(明治書院) —————	、『精選古典探?	究』(第一学習社 —————)、『新訂総合国語便覧』(第一学 ————————————————————————————————————
Instructor		TANGE A	Atsuko				
1) Unders 2) Can co character	mprehenct fistics of th	structure ar I literary tex at expression	kts (novels and p on.	of logical texts (dissocems) according to	their expression	n, and express t	nd can summarize them. their own opinions on the
Rubric							
			Ideal Level		Standard Level		Unacceptable Level
Achievem	nent 1		development (dissertations commentaries	s), and can em and express	Understand the development of (dissertations a commentaries) summarize ther	logical texts nd and can	Cannot summarize logical texts (dissertations and commentaries) regarding their structure and development without the aid of keywords, etc.
Achievem	nent 2		(novels and po to their express of their histori and knowledg	end literary texts oems) according ssions on the basis ical background the thereof, and opinions on the sof those	Can comprehend literary texts (novels and poems) according to their expressions, and understand the characteristics of those expressions.		Only understand the general content of literary texts (novels and poems).
Achievem	ient 3		and phrases u	erstand the kanji used on a daily n use them freely fe and study.	Are interested i phrases used or and actively try them.	n a daily Ďasis,	Do not fully understand the kanji and phrases used on a daily basis.
Assigne	d Depar	tment Ob	jectives				
	g Metho						
Outline Style		review p make us Classes v	apers, novels, po e of them linguis will be basically h	oetry, and classical stically, in an organ neld in a lecture sty	texts. To develoized and sensitively, but there will	p logical reading ity way. be quizes and	of various texts such as modern g and text expression skills and assignments from time to time.
Notice		lattitude.			irouan pre-stuav	, and then tocu	s on the class with a motivated
Ch		Students	who miss 1/3 o	r more of classes v	<i>,</i>	•	s on the class with a motivated
Charact	eristics	Students	who miss 1/3 o Division in Le	r more of classes v	<i>,</i>	•	
<u>Cnaract</u> ☐ Active		Students	who miss 1/3 o	or more of classes vectors.	<i>,</i>	e for evaluation.	
□ Active	Learning	Students	who miss 1/3 o Division in Le	or more of classes vectors.	vill not be eligible	e for evaluation.	☐ Instructor Professionally
□ Active	Learning	Students of Class /	who miss 1/3 o Division in Le	or more of classes vectors.	vill not be eligible ☑ Applicable to	e for evaluation.	☐ Instructor Professionally
□ Active	Learning	Students of Class /	who miss 1/3 o Division in Le Aided by In Theme Guidance	or more of classes vectors.	vill not be eligible ✓ Applicable to	e for evaluation. Remote Class Goals	☐ Instructor Professionally Experienced
□ Active	Learning	Students of Class /	who miss 1/3 o Division in Le Aided by In Theme Guidance Reading compre	er more of classes vearning	✓ Applicable to	Goals Understand how prepare.	☐ Instructor Professionally Experienced v classes will be taugh and what to estructure of the text and properly
□ Active	Learning	Students of Class /	who miss 1/3 o Division in Le Aided by In Theme Guidance Reading compre	earning CT hension of What is	vill not be eligible ✓ Applicable to learning?	Goals Understand hovprepare. Can capture the understand the	☐ Instructor Professionally Experienced v classes will be taugh and what to estructure of the text and properly
□ Active	Learning	Students of Class / 1st 2nd 3rd	who miss 1/3 o Division in Le Aided by I Theme Guidance Reading compre Reading compre	hension of What is hension of What is hension of The Mod	Iearning? learning? learning? on Over the	Goals Understand hove prepare. Can capture the understand the Can understand opinion.	☐ Instructor Professionally Experienced v classes will be taugh and what to estructure of the text and properly content.
□ Active	Plan	Students of Class / 1st 2nd 3rd 4th	Theme Guidance Reading compre Reading compre Reading compre Reading compre Reading compre Mountain (Sange	hension of What is hension of What is hension of The Modetsuki)	learning? learning? on Over the	Goals Understand hove prepare. Can capture the understand the Can understand copinion. Can properly ur the expression. Understand the the can understand the can understand the can understand the expression.	Instructor Professionally Experienced v classes will be taugh and what to estructure of the text and properly content. the content and express one's
□ Active	Plan 1st	1st 2nd 3rd 4th 5th	Theme Guidance Reading compre Reading compre Mountain (Sange Mountain (Sange Mountain (Sange Mountain (Sange Mountain (Sange Mountain (Sange	hension of What is hension of What is hension of What is hension of The Modetsuki) hension of The Modetsuki) hension of The Modetsuki)	Iearning? learning? learning? on Over the on Over the	Goals Understand hove prepare. Can capture the understand copinion. Can properly ure the expression. Understand the character based	Instructor Professionally Experienced v classes will be taugh and what to estructure of the text and properly content. the content and express one's inderstand the content according to personality of the story's main on the sources. development of the story, paying
Course 1st Semeste	Plan 1st	1st 2nd 3rd 4th 5th 6th	Theme Guidance Reading compre Reading compre Mountain (Sange	hension of What is hension of What is hension of What is hension of The Modetsuki) hension of The Modetsuki) hension of The Modetsuki) hension of The Modetsuki)	learning? learning? learning? on Over the on Over the on Over the	Goals Understand hove prepare. Can capture the understand the Can understand copinion. Can properly ure the expression. Understand the character based Understand the attention to the Understand Table 1	Instructor Professionally Experienced v classes will be taugh and what to estructure of the text and properly content. the content and express one's enderstand the content according to personality of the story's main on the sources.
Course 1st Semeste	Plan 1st	1st 2nd 3rd 4th 5th 6th 7th	Theme Guidance Reading compre Reading compre Mountain (Sange	hension of What is hension of What is hension of What is hension of The Modetsuki)	learning? learning? learning? on Over the on Over the on Over the	Goals Understand hove prepare. Can capture the understand the Can understand copinion. Can properly ure the expression. Understand the character based Understand the attention to the attention	Instructor Professionally Experienced v classes will be taugh and what to estructure of the text and properly content. the content and express one's inderstand the content according to personality of the story's main on the sources. development of the story, paying expression and structure. development of the story, paying expression and structure.
Course 1st Semeste	Plan 1st	1st 2nd 3rd 4th 5th 6th 7th	Theme Guidance Reading compre Reading compre Mountain (Sange	hension of What is hension of What is hension of What is hension of The Modetsuki)	learning? learning? learning? on Over the on Over the on Over the on Over the	Goals Understand hove prepare. Can capture the understand the Can understand opinion. Can properly ure the expression. Understand the character based. Understand the the understand the character based. Understand the attention to the Understand the attention to the Understand the opposition, whice	Instructor Professionally Experienced v classes will be taugh and what to estructure of the text and properly content. the content and express one's inderstand the content according to personality of the story's main on the sources. development of the story, paying expression and structure. development of the story, paying expression and structure. logical structure using binary ch is a characteristic of the text.
Course 1st Semeste	Plan 1st	1st 2nd 3rd 4th 5th 6th 7th 8th	Theme Guidance Reading compre Reading compre Mountain (Sange Reading compre	hension of What is hension of What is hension of What is hension of The Modetsuki)	learning? learning? learning? on Over the	Goals Understand how prepare. Can capture the understand the Can understand copinion. Can properly ur the expression. Understand the character based understand the different to the understand the opposition, while properly undersused in the text understand the text understand the text understand the understand the different to the understand the und	Instructor Professionally Experienced v classes will be taugh and what to estructure of the text and properly content. the content and express one's inderstand the content according to personality of the story's main on the sources. development of the story, paying expression and structure. development of the story, paying expression and structure. logical structure using binary ch is a characteristic of the text.
Course 1st Semeste	Plan 1st	1st 2nd 3rd 4th 5th 6th 7th 8th 9th	Theme Guidance Reading compre Reading compre Mountain (Sange Reading compre	hension of What is hension of What is hension of What is hension of The Modetsuki)	learning? learning? learning? on Over the	Goals Understand how prepare. Can capture the understand the Can understand copinion. Can properly ur the expression. Understand the character basec Understand the attention to the Understand the attention to the Understand the attention, while Properly undersused in the text Understand the grasp the mear	Instructor Professionally Experienced v classes will be taugh and what to estructure of the text and properly content. It he content and express one's inderstand the content according to personality of the story's main on the sources. development of the story, paying expression and structure. development of the story, paying expression and structure. logical structure using binary ch is a characteristic of the text. tand the phrases and expression evaluation of literary history and ing of the sentence.
	Plan 1st Quarter	1st 2nd 3rd 4th 5th 6th 7th 8th 9th 10th 11th	Theme Guidance Reading compree Reading compree Mountain (Sange Reading compree	hension of What is hension of What is hension of What is hension of What is hension of The Modetsuki)	learning? learning? learning? learning? on Over the	Goals Understand how prepare. Can capture the understand the Can understand copinion. Can properly ur the expression. Understand the character basec Understand the attention to the Understand the attention to the Understand the attention, while Properly undersused in the text Understand the grasp the mear Properly undersused in the text understand the grasp the mear Properly undersused in the text understand the grasp the mear Properly undersused in the text understand the grasp the mear Properly undersused in the text understand the grasp the mear understand the grasp the understand in the text understand in the text understand the grasp the understan	Instructor Professionally Experienced v classes will be taugh and what to estructure of the text and properly content. It he content and express one's inderstand the content according to personality of the story's main on the sources. development of the story, paying expression and structure. logical structure using binary chis a characteristic of the text. tand the phrases and expression in the sentence. evaluation of literary history and ing of the sentence.

	14th	Reading com	prehension of Tan	ka and Haiku	Can explain the subject and characteristics of the work.			
	15th	Reading com	prehension of Tan	ka and Haiku	Can understand the content and express one's opinion.			
	16th	Final exam						
Evaluation Met	hod and	Weight (%))					
	Exami	nation	Quizes	Behavior	Other	Total		
Subtotal	80		10	10	0	100		
Basic Proficiency	80		10	10	0	100		
Specialized Proficiency	0		0	0				
Cross Area Proficiency	0		0	0	0	0		

А	kashi Co	ollege	Year	2024		Course Title	Japanese II-2
Course	Informa	tion	1	1		1.00	
Course Co		6202			Course Categor	y General	/ Compulsory
Class Forr	mat	Lecture			Credits	School C	Credit: 1
Departme	ent	Mechani	cal Engineering		Student Grade	2nd	
Term		- 	Semester		Classes per Wee	<u> </u>	
Textbook Teaching	Matérials	『精選論 習社) TANGE A		学国語』(明治書院)	、『精選古典探?	克』(第一学習社	t)、『新訂総合国語便覧』(第一学
Instructor			ALSUKO				
1) Unders 2) Can co character 3) To elab	mprehend istics of the oorate tex	structure ar I literary tex at expression	kts (novels and d on. rts, create senter	iaries) according to	their expressior	n, and express	nd can summarize them. their own opinions on the fied information. To be able to
Rubric							
			Ideal Level		Standard Level		Unacceptable Level
Achievem	ent 1		development of (dissertations commentaries	s), and can em and express	Understand the development of (dissertations a commentaries) summarize ther	logical texts nd and can	Cannot summarize logical texts (dissertations and commentaries) regarding their structure and development without the aid of keywords, etc.
Achievem	ent 2		(novels and di to their expres of their histori and knowledge	end literary texts aries) according ssions on the basis cal background e thereof, and opinions on the sof those	Can comprehen (novels and dial to their express understand the of those express	ries) according ions, and characteristics	Only understand the general content of literary texts (novels and diaries).
Achievem	ent 3		Can well form and conclusion his ideas and logically, using sentences.		Can form clear opinions and conclusions, and organize his ideas and develop them logically, using empirical sentences.		Cannot form clear opinions and conclusions, and organize his ideas and develop them logically, using empirical sentences.
Assigne	d Depar	tment Ob	jectives				
Teachin	g Metho	od					
Outline		To acqui review p make us	re basic knowled apers, novels, po e of them linguis	ge of the Japanese petry, and classical tically, in an organ	language through texts. To develo ized and sensitiv	gh the reading of logical reading ity way.	of various texts such as modern g and text expression skills and
Style Notice		Classes Students attitude.	will be basically has are required to	eld in a lecture sty	le, but there will rough pre-study	be quizes and , and then focu	assignments from time to time. s on the class with a motivated
Charact	eristics		Division in Le		viii flot be eligible	tor evaluation	•
☐ Active		or Class /	☐ Aided by I		☑ Applicable to	Remote Class	☐ Instructor Professionally Experienced
					•		
Course	Plan						
			Theme			Goals	
		1st	Course guidance Reading comprel	hension of Why stu	ıdy science?	Properly unders used in the text	stand the phrases and expression t.
		2nd	Reading comprel	hension of Why stu	ıdy science?	Can capture the understand the	e structure of the text and properly content.
		3rd	Reading comprel	hension of Why stu	ıdy science?	Can capture the understand the	e structure of the text and properly content.
	3rd	4th	Reading comprel	hension of Why stu	idy science:	opinion.	d the content and express one's
	Quarter	5th	Reading comprel Tale of Genji)	hension of Wakamı	urasaki (The	Understand the grasp the mear	e evaluation of literary history and ning of the sentence.
2nd Semeste r		6th	Reading comprel Tale of Genji)	hension of Wakamı	urasaki (The	Can interpret a textbook appro	nd answer questions from the priately.
		7th	Reading comprel Tale of Genji)	hension of Wakamı	urasaki (The	Can explain the	e subject and features of the work.
		8th	Reading comprel Tale of Genji)	hension of Wakamı	urasaki (The	Understand the express one's c	subject matter and be able to spinion on the work
				hension of Genji-no)	o-gojuyomaki	•	nd answer questions from the
	4th Quarter	10th	Reading comprel (Sarashina Diary	hension of Genji-no)	o gojuvomaki		subject and features of the work.
		11th	Reading comprel	hension of Fables		Can interpret a textbook appro	nd answer questions from the priately.

	12th	Reading con	nprehension of Fa	ables		nterpret and ans ook appropriatel		from the	
	13th	Reading con Painting	nprehension of In	troduction to Ink	Prope used	Properly understand the phrases and expression used in the text.			
	14th	Reading con Painting	nprehension of In	troduction to Ink		Can capture the structure of the text and properly understand the content.			
	15th	Reading con Painting	nprehension of In	troduction to Ink		Can understand the content and express one's opinion.			
	16th	End term ex	ams						
Evaluation Me	thod and	Weight (%)						
	Exami	nation	Quizes	Behavior		Other	Total		
Subtotal	80		10	10		0	100	100	
Basic Proficiency	80		10	10		0	100		
Specialized Proficiency	ialized			0		0	0		
Cross Area Proficiency	0		0	0		0	0		

А	kashi Co	ollege	Year	2024				Introduction to Global Studies
Course	Informa	tion						
Course Co	ode	6203			Course Categor	ry G	ieneral /	Compulsory
Class Form	mat	Seminar	•		Credits	S	chool Cr	edit: 1
Departme	ent	Mechani	cal Engineering		Student Grade	2	nd	
Term		Second :	Semester		Classes per We	ek 2		
Textbook Teaching Instructor	Materials	No text	book, hands out.					
1) To unc Japanese 2)To undo decide wh 3)To cons	culture / : erstand ho nat kind of	nd realize t lapanese na w commur communic	ation from a rela nication in the int ation attitude or	tive perspective. ternational commu level is necessarv.	nity is carried ou	t. To be	able to o	Japan), and be able to see determine specific goals and d to form their own opinions.
Rubric			_					
			Excellent		Good			Insufficient
1) Ethnic	s and cult	ure		om a relative t diverse cultures in Japan and	Understand tha cultures coexist			Do not understand the concepts of ethnics and culture.
2) Interna	ational cor	nmunicatio	international communications ituation. The critically appropries of a limagine the c	ne necessity of and intercultural on and its present e student can oach his/her self- ind concretely ommunication ed to develop.	Understand the and intercultura present situation	al commi		The students can't understand the necessity of international and intercultural communication or its present situation.
3) Form opinions			Able to consider required to be cosmopolitan	der what is ecome a , to become an engineer, to form nions and to	Able to consider what is required to become a cosmopolitan, to become an international engineer, to form their own opinions.			Not able to consider what is required to become a cosmopolitan, to become an international engineer, to form their own opinions.
Assigne	d Depar	tment Ob	piectives					
	g Metho		.					
Outline	9 1 100.10	Through "globaliz with it. I	ation." Also, rec	panize the problem	s associated witl	h interna	itionaliza	is "internationalization" and tion and reflect on how to deal a "cosmopolitan" and to live in a
Style				lectures and group	discussion about	t coveral	thomas	
Notice		Each stu	ident should part		n the classes. No	t only "k	nowing"	but also "thinking/worrying"
Cla a ua ab					wiii not be eligibli	e for eva	iuation.	
Charact	eristics (or Class /	Division in L	earning	T			
☑ Active	Learning		☑ Aided by I	CT	☑ Applicable to	o Remote	e Class	☐ Instructor Professionally Experienced
								<u> </u>
Course	Plan							
			Theme			Goals		
		1st		national person?		Think ah	oout whative," "in concrete	at the words "international ternational sense," "act globally" ely, and increase problem ding this topic.
		2nd	Ethnics and cult	ure		Think at	out how and the	/ "XXX people" can be defined, concept of "ethnic group." i image of nationalism.
		The role of lang	uage		a primar	ry tool fo	characteristics of "word" which is or communication. Think about ommunication between people tive languages.	
Semeste r	r Quarter		Internationaliza	tion and English		Understa	and the tional lai to comn	current situation of English as nguage." Form your own opinion nunicate with non-native English
	5th 1		Internationalizat	ion and Multilingua	alization	Through about ar of eleme	discuss nd form ent is red	ion with your colleagues think your own opinion about what kind quired to establish international
		6th	Problems surrou and culture(1)	ınding the coexiste	nce of ethnicity	communication. Deepen your understanding of minority groups' issues such as Korean residents in Japan and think about the coexistence of multiple ethnic groups and cultures.		
	L	1				lai onha c	aria cuitt	11 631

		7th	Problems surrounding and culture(2)	the coexistence of ethnicity	Deepen your understand issues such as Korean rithink about the coexisted groups and cultures.	esidents in Japan and
		8th	Ethnicity in Japanese	Society	Hecture and organize voi	Review the first half of the ur understanding and . A report is also assigned.
		9th	Problems surrounding and culture(3)	the coexistence of ethnicity	Deepen your understand issues such as Korean ruthink about the coexisted groups and cultures.	esidents in Japan and
		10th	International Order a	nd Security(1)	how they can be preven	itional conflicts occur and ited and resolved. Also, state of armaments in the
		11th	International Order a	nd Security(2)	Understand why internation how they can be prever understand the current world.	itional conflicts occur and ited and resolved. Also, state of armaments in the
	4th Quarter	12th	International Order a	nd Security(3)	Understand why internation they can be preverunderstand the current world.	ational conflicts occur and lited and resolved. Also, state of armaments in the
		13th	Global economy and i	nternational business(1)	Understand the backgroeconomic activities. Also problems that companie internationally.	o, understand the
		14th	Global economy and i	nternational business(2)	Understand the backgroeconomic activities. Also problems that companie internationally.	o, understand the
		15th	Conclusion: What is a	n international person?	To review the content leand to confirm each oth	earnt through discussion er "cosmopolitan" image.
		16th	End term Exam			
Evaluati	on Meth	od ar	nd Weight (%)			
			Tests	Presentation	Assignments	Total
Subtotal			60	20	20	100
Basic Skill	S		60	20	20	100
Specialize			0	1	0	0
Cross Field Skills			0	0	0	0

А	kashi Co	llege		Year	2024		(Course Title	Public
Course	Informa	tion		1					
Course Co	ode	6204				Course Catego	ry	General ,	/ Compulsory
Class Forr	mat	Lecture				Credits		School C	
Departme	ent	Mechani	ical E	Engineering		Student Grade		2nd	
Term		First Ser				Classes per We	eek	2	
Textbook Teaching					公共』第一学習社。	,			
Instructor									
Course	Objectiv	es							
1. Accura 2. Objecti with the t 3. Through	tely under ively under imes. ih exchang	stand the bestand wha	nt res ns w	sponsibilities v ith other stud		we play in orde	r to a nd the	ddress the importance	challenges and issues that change on thinking about things in
Rubric						_			
			I	deal Level		Standard Level			Unacceptable Level
Achievem	ent 1		b v	Thoroughly un basic knowledo various issues age.	derstand the ge regarding the of the modern	Have basic kno the various issu modern age.	wledgues of	ge regardin f the	Do not have sufficient basic knowledge regarding the various issues of the modern age.
Achievem	ent 2		tl h o	hat people in nave been exp	y explain the roles modern society pected to play in ess its issues and	Can understand people in mode been expected to address its in problems.	ern so to pla	ciety have ay in order	Do not have sufficient understanding of the roles that people in modern society have been expected to play in order to its address issues and problems.
Achievem	chievement 3			arious issues	y consider the of the modern ss them based on ions.	Can proactively modern various			Cannot proactively consider the various issues of the modern age, due to insufficient understanding of them.
Assigne	d Depar	tment Ol	bjec	ctives					
	g Metho								
Outline		In this c and at t In addit	he si	ame time con the aim is to	ısider what we car create opportuniti	າ do about the is es to raise stude	sues a	and proble wareness	a that constitute modern society, ms that change with the times. of various issues in the public think about them.
		The tead	ching	g will be base	d on taking notes	from the blackbo	oard a	and using t	extbooks and handouts.
Style		ideas, a think ind they will teacher	nd li: divid I exc will	sten to the te lually about w change opinion explain matte	acher explain the hat "the various is ns with each othe	concepts, etc. A ssues of the moc r (in groups), an	t the dern a d pre	beginning o ige" are, ho sent and sl	opinions, present (share) their of each class, the students will ow to address them, etc. Then, nare their ideas. After that, the emented in society, and the
Notice		Freely e them to society a and enh	acce and and	anging opinior ept other peo cultivate their e their ability	ns will help the stu ple's ideas and co - problem-solving to accept and rela	nvey their own. skills. In additior te to them.	It will 1, it w	also help t vill help the	munication skills that will enable them develop a bird's-eye view of m see that different opinions exist
Chara -'	:	•			more of classes	wiii flot de eligibl	e for	evaiuation.	
<u>Cnaract</u> ☑ Active		or Class /		vision in Le □ Aided by IO		☑ Applicable t	o Ren	note Class	☐ Instructor Professionally Experienced
				•		1			LAPORICIOCO
Course	Plan								
Course	. 1011		Tho	eme			Goals		
				dance:					at is necessary for thinking about
		1st			n society's probler	ns and issues?			at is necessary for thinking about 's problems and issues.
		2nd		eme 1: The sig	gnificance and role		Unde	erstand the	roles that laws and norms play in , and the ones they are expected
		3rd		eme 2: Contra ponsibilities	ects and consumer	s' rights and			conditions for a contract to be een equal parties.
1st	446			eme 3: Significial process	cance of participat	ion in the	Cons regai	rding public	gnificance of and responsibilities c participation in the judicial
Semeste r	Quarter	5th		eme 4: Politica olic opinion	al participation and	d forming fair	Cons	ider the sig	gnificance of and responsibilities participation in politics.
		6th		eme 5: Internatere	ational community	and national	betw	erstand the een the int munities.	commonalities and differences ernational and domestic
		7th	The	eme 6: Japan'	s security and def	ense	-	ider what v	will ensure security and peace for
		8th	Rev Q)	view of the firs	st half of the first	semester (1st	Revie	ew the con	tent from weeks 1-7.
	•		/				•		

		9th	Theme 7: Change and Japan's roles	es in the internation	onal community	Learn about inte	rnational peace a playing.	nd the roles	
		10th	Theme 8: Employ	ment and labor is	ssues	Understand the ownerking environr	changes and issu nent in Japan.	es in the current	
		11th	Theme 9: Social of	change and attitud	des to work	Understand that there is a close relationship between social change and how people work.			
	2nd	12th	Theme 10: Functi economy	ons and limitatior	ns of a market	Understand the functions of markets and the importance of competition.			
	Quarte	13th	Theme 11: What	finance does		Understand the mechanisms of finance and what financial institutions do.			
		14th	Theme 12: Public security	finance's roles ar	nd social	Learn about how a nation's public finances are closely related to the lives of its people.			
		15th	Theme 13: Econo	mic globalization		Understand the r globalizing trade	nechanisms of in and finance.	creasingly	
		16th	Final exam			Take a written ex	kam.		
Evaluati	on Me	thod and	Weight (%)						
	E	Examination	Short test	Ordinary score (assignment)	Behavior	Portfolio	Other	Total	
Subtotal	3	30	30	40	0	0	0	100	
Basic Proficience	y 3	30	30	40	0	0	0	100	
Specialize Proficience)	0	0	0	0	0	0	
Cross Are Proficience)	0	0	0	0	0	0	

А	kashi Co	ollege	Year	2024		Cou		Mathematics II A-1
Course	Informa	tion	•	•			I	
Course Co		6205			Course Categor	y Ge	eneral /	' Compulsory
Class For	mat	Lecture			Credits			redit: 2
Departme	ent	Mechanica	al Engineering		Student Grade	2n	nd	
Term		First Sem	ester		Classes per Wee	ek 4		
Textbook Teaching		高遠 節夫	ー 他 著「新微分積) 東京書籍))	分 I 」大日本図書	高遠 節夫 他 著	「新微分科	責分 I 問]題集」大日本図書 (参考書 数学Ⅲ
Instructor		MATSUMI						
	Objectiv							
1.と対数のき 2. 関数で数のき 2. 関数のき 2. 対で数のまたが定義のまたが定義の。	ン で で で で で で で で で で で で で	分係数の意味、 いて、極値を 引用して、グラ 数積分の基本質 も分および部分	E求め、グラフの机 ラフの凹凸を調べる E理を理解し、簡単 ↑積分を用いて、ラ	既形をかくことがで ることができる。関 単な定積分を求める 下定積分や定積分を	きる。極値を利用し数の媒介変数表示で ことができる。不気 求めることができる。	して、関数 を理解し、 定積分の定	対の最大 媒介変 三義を理	、いろいろな関数の導関数を求める 値・最小値を求めることができる。 数を利用して、その導関数を求める 解し、簡単な不定積分を求めること
4. 分数関の面積や曲	関数・無理関 自線の長さ、	関数・三角関数 立体の体積を	牧・指数関数・対数 全定積分で求めるこ	数関数の不定積分・! ことができる。	定積分を求めるこ。 	とができ、 	簡単な	場合について、曲線で囲まれた図形
Rubric					1			
			理想的な到達レ		標準的な到達レク			未到達レベルの目安
評価項目1			関数の定義、積 式、合成関数、 し、いろいろな めることが十分		関数の極限、微分 関数の定義、積・ 式、合成関数、设 し、いろいろな関 めることができる	商の導関 三角関数 数の導関	数の公を理解	関数の極限、微分係数の意味、導 関数の定義、積・商の導関数の公 式、合成関数、逆三角関数を理解 し、いろいろな関数の導関数を求 めることができない。
評価項目2			め、グラスの極が、グラスのをしたが、かでまからでした。からないでしたがでしたがでしたができる。グで解して、分を解していた。	書いて、極値を求 形をかけて、極値を求 形をかけて、 でいて、 でいて、 でいていて でいていて でいていて でいていて でいていて でいていて でいていて でいていて でいていていて でいていていていて で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ていていていていていて	関数の増減表を書め、グラフを値である。 きる。・まってのである。 がある。・まってのである。 がある。・まってのできる。 がいる。。 がいる。 はいのいるである。 はいのいるである。 はいのいるである。 はいいるではいるである。 はいいるである。 はいいるではいるである。 はいいるである。 はいいるではいるである。 はいいるではいるではいるである。 はいいるではいるではいるではいるではいるではいるではいるではいるではいるではいる	をした。 をしめ関連調変数して、こをる表で表している数でである。 であるであるである。 では、このでは、このでは、このでは、このでは、このでは、このでは、このでは、この	と数が用とをそがのでしが理ので最きてで解導	関数の増減表を書いて、極値を求め、グラフの概形をかくことができない。最小値を利用して、関数の最大値・最小値を求めること利用して、ブラフの凹凸を調べることができない。関数の媒介変数を利用して、を理解し、媒介変数を利用して、その導関数を求めることができない。
評価項目3			を理解し、簡単 ことが十分でき 義を理解し、簡 めることが十分 積分および部分	微積分の基本定理 な定積分を表表である。不定積分のを る。不定積分を定 単できる。またこ で で で で が が が が が が が が が が が で に が で で に が で で に で で で で	定積分の定義と微を理解し、簡単なことができる。不理解し、簡単なることができる。不理解しができる。できる。び部分積分を用い定積分を求めるこ	定積分を 定積分の 定積分を た置換積 て、不定	求める 定義をる 分おか 積分や	定積分の定義と微積分の基本定理 を理解し、簡単な定積分を求める ことができない。不定積分の定義 を理解し、簡単な不定積分の定義 ることができない。また置換積分 および部分積分を用いて、不定積 分や定積分を求めることができな い。
評価項目 4	1		指数関数・対数 定積分を求める 簡単な場合につ れた図形の面積	関数・三角関数・ 関数の不定積分・ ことが十分できいて、曲線でき、いて、曲線でして、 いて、ないでは、 いて、ないでは、 いて、ないでは、 いて、 とが・ とが・ とが・ とが・ とが・ とが・ とが・ とが・ とが・ とが・	分数関数・無理関 指数関数・対数関 定積分を求めるこ な場合に可して 図形の面積や曲線 体積を定積分です る。	関数の不定 ことができ 曲線で囲 この長さ、	積分・ 、簡単 まれた 立体の	分数関数・無理関数・三角関数・ 指数関数・対数関数の不定積分・ 定積分を求めることができず、簡 単な場合について、曲線で囲まれ た図形の面積や曲線の長さ、立体 の体積を定積分で求めることがで きない。
Assigne	d Depar	tment Obj	jectives					
Teachin	g Metho	od						
Outline				こから発展したいろい	いろな計算手法を習	習得し、専	門分野	での応用の際のさまざまな事象の解
Style		予習を前提 義では集中 て下さい。	として教科書に浴りして理解に努め、 その日のうちに必	・予習でわからなか・ 必ず復習し教科書と「	ったことや講義で ^は 問題集にある問題を	難解できな を解くよう	iかった に心が	の確認をするために質問をする。講 ことは放置せずに質問するようにし けること。ICTを活用した授業をする からよく勉強しておくようにしてく
Notice	試験を50%、課題等の提出物を20%、発表お					5り、途中 ごがよく出	までの 法 来てい	累積評価の割合は暫定的な割合で評 れば割合以上の評価を与えることも
Charact	eristics	of Class /	Division in Le	arning				
☑ Active		☑ Aided by IC	<u> </u>	☑ Applicable to	Remote	Class	☐ Instructor Professionally Experienced	
Course	Plan							
		Т	heme			Goals		
		1st B	関数の極限と導関数	·····································		関数のグラ	ラフや公	式をまとめることができる。
1 c+		2nd 厚	関数の極限と導関数			簡単な場合 る。	合につい	って、関数の極限を求めることができ
1st Semeste r	1st Quarter	3rd 厚	関数の極限と導関数		:			ウ、導関数の定義を理解し、導関数を うる。
		4th	関数の極限と導関数		;	債・商の導	真関数の)公式を用いて、導関数を求めること
	L					<i>か</i> (でる。	口以送	数の導関数を求めることができる。

		5th	関数の極限と導関数			三角関数・指数関	 数の導関数を求	めることができる。			
		6th	いろいろな関数の導	算関数		逆関数の導関数を 関数を求めること		数や逆三角関数の導			
		7th	いろいろな関数の導	算関数		関数の連続についきる。	関数の連続について理解し、応用問題を解くことができる。				
		8th	いろいろな関数の導	算関数		中間値の定理を理。	解し、応用問題	を解くことができる			
		9th	関数の変動			簡単な場合につい めることができる		や法線の方程式を求			
		10th	関数の変動			関数の増減表を書 かくことができる		め、グラフの概形を			
		11th	関数の変動			極値を利用して、 ができる。	極値を利用して、関数の最大値・最小値を求めること ができる。				
	2nd	12th	いろいろな応用			高次導関数を求め 用して、グラフの	高次導関数を求めることができる。2次の導関数を利用して、グラフの凹凸を調べることができる。				
	Quarter	13th	いろいろな応用			関数の媒介変数表 その導関数を求め	示を理解し、媒 ることができる	!介変数を利用して、 。			
		14th	いろいろな応用			速度・加速度を理。	速度・加速度を理解し、応用問題を解くことができる。				
		15th	いろいろな応用			平均値の定理や口ができる。	平均値の定理やロピタルの定理を理解し利用すること ができる。				
		16th	期末試験								
Evaluati	on Meth	od and	Weight (%)								
	試馬		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	0	0			
基礎的能力	0		0	0	0	0	0	0			
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			

A	kashi Co	ollege	Year	2024		Course Title	Mathematics II A-2		
Course	Informa	tion	•	•					
Course Co		6206			Course Categor		/ Compulsory		
Class For		Lecture			Credits		Credit: 2		
Departme	ent		l Engineering		Student Grade	2nd			
Term	1.7	Second Se		****	Classes per We				
Textbook Teaching			他者(新微分) 東京書籍))	責分 I 」大日本図書	高遠 節夫 他 著「新微分積分 I 問題集」大日本図書 (参考書 数学III				
Instructor	r	MATSUMI	YA Atusi,OMOD	A Yasuhiro					
Course	Objectiv	es							
ことができ 2、関数の まことができ 3、でき ができ 3、でき ができ ができ かでき かでき かでき かでき かで も のでき も こことができ も こことができ も こことができ も こことができ も こことができ も ここと も ここと も う と う と う と も り と り と り と り と り と り と り と り と り と	きる。 D増減表を記 D導関数を和 きる。 こ きる。 こ こ こ きる。 こ きる。 と で は し り り り り り り り り の に り の に り の に り の に り の に り の に り の し の し り し り し り し り し り り り り り り り	いて、極値を 利用して、グラ 数積分の基本定 責分および部分 関数・三角関数	求め、グラフの フの凹凸を調べ 理を理解し、簡	概形をかくことがでることがでることができる。関 単な定積分を求める 不定積分や定積分を 数関数の不定積分・	きる。極値を利用 数の媒介変数表示 ことができる。不	して、関数の最 を理解し、媒介 定積分の定義を	し、いろいろな関数の導関数を求める 大値・最小値を求めることができる。 変数を利用して、その導関数を求める 理解し、簡単な不定積分を求めること な場合について、曲線で囲まれた図形		
Rubric									
			理想的な到達し	バルの目安	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				か分係数の意味、導 賃・商の導関数の公 逆三角関数を理解 は関数の導関数を求 できる。	関数の極限、微分 関数の定義、積 式、合成関数、近 し、いろいろな間 めることができる	・商の導関数の公 逆三角関数を理解 関数の導関数をす	〉 関数の定義、積・商の導関数の公 曜 式、合成関数、逆三角関数を理解		
評価項目2			め、 グきる値きて、 大の最大でしがって、 大の最かでしがった。 ができるで、 はできるで、 ができるで、 はでで、 はでで、 はでで、 はででででででででででででででででで	書いて、極値を求 一根では 一根で 一根で 一根で 一根で 一根で 一根で 一根で 一月で 一月で 一月で 一月で 一月で 一月で 一月で 一月	関数の増減表を調めの増減表を調力を表している。 を表している。 を表している。 を表している。 を表している。 はまたりである。 はないである。 はないでなる。 はないでなる。 はないでなる。 はないでなる。 はないでなる。 はないなななる。 はななななななななな。 はななななななななななななななななななななななな	ジをかくことがて 見しないで 見しいででは はいるでででいる。 はいででいる。 はいででいる。 はいででいる。 はいででいる。 はいででいる。 はいででいる。 はいででいる。 はいででいる。 はいででいる。 はいででいる。 はいででいる。 はいででいる。 はいではいる。 はいではいる。 はいではいる。 はいではいる。 はいではいる。 はいではいる。 はいではいる。 はいではいる。 はいではいる。 はいではいる。 はいではいる。 はいではいる。 はいではいる。 はいではいる。 はいではいる。 はいではいではいる。 はいではいる。 はいではいる。 はいではいる。 はいではいる。 はいではいではいる。 はいではいではいではいではいではいではいではいではいではいではいではいではいでは	関数の増減表を書いて、極値を求め、グラフの概形をかくことができない。極値を利用して、関数の最大値・最小値を求めることができない。また2次の導関数を利用して、グラフの凹凸を調べること		
評価項目3			を理解し、簡単ことが十分でき 義を理解し、簡単めることが十分でき もあることが十分でき	: 微積分の基本定理 4な定積分を求める そる。不定積分を求める 計学な不定また電 かできる。 は分を用いて、 大を求めることが十	定積分の定義と称を理解して、管理が、できる。ででででででいる。でででででいる。ででででいる。ででは、できる。でででは、できるでは、できるでは、できるでは、できるできる。できるできる。これでは、できるできる。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、これでは、	は定積分を求める 下定積分の定義を 下定積分を求める また置換積分おる いて、不定積分や	を理解し、簡単は足債力を求めることができない。不定積分の定義 を理解し、簡単な不定積分を求めることができない。また置極積分を求めることができない。また置極環境		
評価項目 4	1		指数関数・対数 定積分を求める 簡単な場合にて れた図形の面積	関数・三角関数・ 対関数の不定積分・ のことが十分でき、 のいて、曲線で囲、立 責か一線の長ことが 責分で求めることが	分数関数・無理問題を 指数関数・対数問定積分をでいた。 図形の面積分をでいては をでいては はできる。	関数の不定積分・ ことができ、簡単 曲線で囲まれた 象の長さ、立体の	指数関数・対数関数の不定積分・ 定積分を求めることができず、簡単な場合について、曲線で囲まれた図形の面積や曲線の長さ、立体		
Assigne	d Depar	tment Obj	ectives						
Teachin	g Metho	od							
Outline			基本概念及びそ 素養を獲得する		ろな計算手法を	習得し、専門分野	野での応用の際のさまざまな事象の解		
Style		予習を前提 義では集中 て下さい。	として教科書に して理解に努め その日のうちに	沿って講義する。ま 、予習でわからなか 必ず復習し教科書と	問題集にある問題を	を解くように心力	度の確認をするために質問をする。講 こことは放置せずに質問するようにし がけること。ICTを活用した授業をする 頁からよく勉強しておくようにしてく		
Notice		計験を50%	る、課題等の提出 る。ただし、こ も上記の割合に れかの週でCBT	物を20%、発表おる の割合で評価点をつ ならないことがある を行う。合格の対象	はび平素の授業への けるのは学年末でる。 課題等や発表な としない欠席条件()取り組み状況を あり、途中までの どがよく出来てい 割合) 1/3以上	30%として総合的に評価し60点以上 の累積評価の割合は暫定的な割合で評 いれば割合以上の評価を与えることも の欠課		
<u>Char</u> act	eristics		Division in L						
☑ Active	Learning		☑ Aided by I	СТ	☑ Applicable to	Remote Class	☐ Instructor Professionally Experienced		
Course	Plan								
		Т	heme			Goals			
		1st 7	定積分と定積分			不定積分の定義とができる。	を理解し、簡単な不定積分を求めるこ		
7 m d		2nd 7	 定積分と定積分			定積分の定義を			
2nd Semeste r	3rd Quarter		定積分と定積分		ことができる。 微分積分法の基本定理を理解し、簡単な定積分をす				
						ることができる。 簡単な定積分の計算をすることができる。いろいろな			
		4th オ	定積分と定積分 				を活用することが出来る。		

		5th	積分の計算			置換積分および を求めることが		て、不定積分や定積分
		6th	積分の計算			分数関数・無理 ができる。	関数の不定積分	・定積分を求めること
		7th	積分の計算			三角関数・指数 求めることがで		の不定積分・定積分を
		8th	面積・曲線の長さ	・体積		簡単な場合につ 積分で求めるこ	いて、曲線で囲 とができる。	まれた図形の面積を定
		9th	面積・曲線の長さん	· 体積		簡単な場合につ とができる。簡 体の体積を定積	単な場合につい	さを定積分で求めるこ て、立体の体積や回転 ができる。
		10th	いろいろな応用					し、媒介変数表示によ を求めることができる
		11th	いろいろな応用			極座標について 線の長さを求め		による図形の面積や曲 。
	4th Quarter	12th	いろいろな応用			広義積分についきる。	て理解し、広義	積分を求めることがで
		13th	いろいろな応用			変化率と積分にできる。	ついて理解し、)	応用問題を解くことが
		14th	微分方程式			応用問題から微 分離形の微分方		を理解し、簡単な変数 ことができる。
		15th	微分方程式			簡単な同時形,	1階線形微分方	程式を解くことができ
		16th	期末試験					
Evaluati	on Metl	nod and \	Weight (%)			•		
		amination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total
Subtotal	0		0	0	0	0	0	0
Basic Proficienc	y 0		0	0	0	0	0	0
Specialize Proficience			0	0	0	0	0	0
Cross Are Proficienc			0	0	0	0	0	0

А	kashi C	ollege		Year			ourse Title	Mathematic	s II B-1		
Course	Informa	ation									
Course Co	ode	6207				Course	Categor	γ	General /	Compulsory	
Class For	mat	Lecture				Credits			School C	redit: 1	
Departme	ent	Mechanio	cal Eng	gineering		Student			2nd		
Term		First Sen	nester			Classes	per We	ek	2		
Textbook Teaching		Linear A	lgebra	(Dai Nihon	Tosho)						
Instructor	<u>r</u>	TAKATA	Isao								
Course	Objectiv	/es									
2. Unders	mpute ve stand the	ctors and ard definition of	ply the matric	em to shape ces, and car	es. 1 perform matri	x computat	ions.				
Rubric											
				al Level		Standar				Unacceptable	
Achievem	ent 1		Can	n fully compu ply them to s	ute vectors and	Can con them to	npute v	ectors	and apply	Cannot comp	oute vectors and
Achievem	Fully to of ma			y understan natrices, and	d the definition	Underst matrices matrix o	and the	defini an per	tion of form	Do not under	rstand the ad cannot perform
Acciana	d Denai	rtment Ob			compatations.	Imacin	ompace	2001131		THICKIN COMP	atations.
	ig Metho		,,	,							
	ig Meul		and ev	ercises will	he aiven on the	hasics of li	inear al	gehra	which is i	ised in a wide	range of fields. The
Outline											a plane or in space
Style					classes, tests a						
Notice		Study in CBT test	depend will be	dently by us e given in oi	class. Do not leading problem connection of the weeks more of classes	lections.				d unanswered,	but ask questions.
Charact	eristics	of Class /									
		0. 0.000 /			<u> </u>	[7] Appli	icable to	n Dome	ata Class	☐ Instructor	r Professionally
☑ Active	Learning		✓ F	Aided by IC	<u> </u>	Appii	icable to	o Remo	ote Class	Experienced	,
Course	Plan										
			Theme	e				Goals			H h:- l
		1st	Planar	Vectors				vector	arithmeti	culations using c.	the basic laws of
		2nd	Planar	ar Vectors				Can compute the inner product of vectors.			
		3rd	Planar	· Vectors	Ors Ca			Can perform the computations using the component representation of plane vectors.			using the lane vectors.
	1st	4th	Space	Vectors				Can perform the computations using the component representation of space vectors.			
	Quarter	5th	Space	Vectors				Can ca		e area of a par	allelogram as a
		6th	Space	Vectors				Can ui condit	nderstand ions and ι	parallel and pe use them in cal	erpendicular culations.
1st		7th	Space	Vectors				Can fir	nd the equ	uation of a line	in space.
Semeste		8th	Space	Vectors				Can fir	nd the equ	uation of a plan	e in space.
[9th	Space	Vectors				Can fir	nd and us	e the outer pro	duct of vectors.
		10th	Space	Vectors				Can fir plane.	nd the dis	tance between	a point and a
		11th	Space	Vectors					nd the ear	uation of a sphe	erical surface.
	2nd		Matrice						alculate th		ice, and product of
	Quarter	13th	Matrice	es				Can ca	alculate th	e sum, Can use	e the distribution
	<u> </u>		Exam								
Evaluati	ion Metl	nod and V	Veigh	nt (%)							
				CBT Test	Review	/ Test	Assign	nments	s Att	endance points	Total
Subtotal				20	25		15				100
Basic Prof	ficiency	25		20	25		15		15		100
Specialize Proficienc	ed Sy	0		0	0		0		0		0
		0		0	0		0		0		0
Evaluation Method and W Examination Subtotal 25 Basic Proficiency 25 Specialized			CBT te Summ Exam Veigh	est hary It (%) CBT Test 20 25 15 0 0 0 0				and combination laws of matrices. The CBT test will be used to check for reten Review of the total. Confirmation of the studies. Attendance points Total 15 100 15 100 0 0			s Total 100 0

Aka	ashi Co	ollege		Year	2024					ourse Fitle	Mathematics	s II B-2
Course In		tion					1		1			
Course Code		6208					Course C	Categor			/ Compulsory	
Class Forma		Lecture					Credits		-		Credit: 1	
Department	t			gineering			Student		-	2nd		
Term Textbook a	nd/or	Second S	semes	ter			Classes p	oer we	ек	2		
Teaching Ma		Linear Al		(Dai Nihon	Tosho)							
Course Ol	hiectiv											
1. Can calcu 2. Can unde	ulate ma	trices and s	solve li n and	inear syster properties	ms of equ of detern	iations. ninants a	nd find th	e value	e of bas	ic deter	minants.	
Rubric												
			Ide	al Level			Standard	Level			Unacceptable	Level
Achievemen	Can compute m solve simultane equations satisf			eous linea	ar	Can com solve sin equation	hultane			Cannot comp cannot solve linear equatio		
Achievemen			and and det	n understan I properties I obtain the erminants s	of deterr	minants, or basic	Can undo and prop and find determin	erties the va	of dete	rminant	Cannot under definition and determinants the values of determinants	properties of and cannot find basic
Assigned	Depar	tment Ob	jecti	ves								
Teaching	Metho	od										
Outline			fields	. The goal is							algebra, which is sing equations of	
Style		Students	are a	sked to pre	pare for t study in o	the class groups du	with video uring class	o clips s to ch	accordi eck the	ng to th ir level c	e syllabus. of understanding.	
Notice		Study ind	depen be giv	ork before dently by us en in one o miss 1/3 or	sing prob of the wee	lem colle eks.	ctions.					but ask questions.
Character	rictics (-				Classes v	VIII TIOC DC	Cligible	C 101 CV	aldation	·	
☑ Active Le		01 01033 /		Aided by IC			☑ Applic	cable to	o Remo	te Class	☐ Instructor Experienced	Professionally
Course Pl	an											
			Them	e					Goals			
		1st	Matrix	(Can un	derstan	d and use zero a	nd unit matrices.
		2nd	Matrix	(inverse matrices.
		3rd	Defini	tion and pro	operties c	of determ	inant		Can compute second-order determinants and use Cramer's formula.			
	rd	4th	Defini	tion and pro	operties c	of determ	inant		Can understand the definition of determinant and compute simple determinants.			
ا	<u>uarter</u>			tion and pro			inant		Can understand the properties of determinants and use them in calculations. Can expand determinants.			
				ation of det ation of det								ninant calculations
2-4											sine factor to fine	
2nd Semeste				ation of det					matrix.			
'				ation of det ation of det					Can un	derstan	sing determinant d and use matrix	
				equations								quations using the
	th Juarter			equations					Can fin	d the in		ng the elimination
Quarter 12th Linear equations and matrices method. 13th Linear equations and matrices Can determine the rank of a matrix.						atrix.						
			CBT te		and mud							eck for retention.
			Summ							of the t		
			Exam	· ,							f the studies.	
Evaluatio	n Meth	•		nt (%)								
		Examination		CBT Test		Review 1	est	Assia	nments	Α	ttendance points	Total
Subtotal		25		20		25		15		1		100
Basic Profici		<u> </u>		20		25		15		1		100
Specialized							0		0		0	
Proficiency										<u> </u>		

		I				
Cross Area Proficiency	0	О	0	0	0	0

Akashi	Akashi College		Year	2024			ourse Title	Science II A-1	
Course Infor	matio	n							
Course Code	ϵ	5209			Course Catego	ry	General	/ Compulsory	
Class Format	L	_ecture			Credits		School C	Credit: 1	
Department	1	Mechanic	al Engineering		Student Grade		2nd		
Term	F	First Sem	ester		Classes per We	ek 2			
Textbook and/o Teaching Materi		國友正和(まか著 総合物理 :	L -力と運動・熱- (数	女研出版)数研出版	版編集部編 リードa 物理基礎・物理 (数研出版)			
Instructor]7	TAKEUCH	I Masahiro						
Course Object	ctives								
	ems involus phys	olving va sical quar	arious physical on ntities to others	quantities. in a easy-to-unde	erstand manner.				
Rubric			Eveellent		Cood			Insufficient	
			Excellent		Good	tional r	roblomo	Insufficient	
Achievement 1		Explain problems involvin various physical quantitie			Solve computa involving varior quantities.	us phys	sical	Inability to solve computational problems involving various physical quantities	
Achievement 2			Present vario quantities to to understand	others in an easy-	Present various quantities.	s physic	cal	Inability to present various physical quantities	
Assigned Dep	partm	ent Obi	<u> </u>		•				
Teaching Me			nt Objectives						
reacting the		Learn nh	veice dynamics	which is the basis	of engineering	The ct.	idy of dan	namics is divided into four topics.	
Outline	s r u a a o e n a T ∠ t t o t	speed and necessary units. The assignme and consect aused by ext, the a total revible studed the st	d acceleration, to understand e students will I nts (task prepa equence in phys the exercise o in dynamics 4 students will si view of physica ents must pay a lerstand consta nts will use sim he study of the dynamic pheno write the equat	topics learned at juthe trigonometric earn how to study ration research no sical phenomena. If a force and influe. Dynamics 3: to utudy energy conse quantities learned attention to the diffint velocity circular ple vibration as ar law of universal gmena, represented.	unior high school functions. Also, by themselves the tes), etc. Dynam for example, accenced by mass. Tunderstand torquivation law and rod so far, the studerences in power motion through instrument to lear avitational attrad by the equation of the studer it.	. To ex will be hill be hill be hill be hill be studential with the studential will be studential be	plain the guided to daily tas to unders on (learned dents will he dents will he dents will be prepenergy, thus of two y Newton tion. To its daily to the dents out sound the dents out sound the dents out to the dents out to the dents out to the dents out the dents out the dents out to the dents	cept. The contents used here are components of a vector is o handle significant figures and iks, such as self-learning, doing tand the relation between cause ed in dynamics 1) is the result, I learn more about movements antitative concept of lever principle servation law. Here, by conducting pared to comprehend dynamics 4. Nat are easily confused. Dynamics odimensional. As an application, d and light waves. Furthermore, 1, the students will become aware make the students perceive that if	
Style		and in the from the smooth a she suppostion of the suppostion of t	e second half the textbook. The sond meaningful. For web page arous on preparateir "problem reactions periods of the centred on the centred on the veb page task, ernal evaluation ence. I can so inside and outs no points: For spontion: No retention of the center on the centred on the veb page task, ernal evaluation ence. I can so inside and outs no points: For spontion: No retention of the centred table to the centred table	ne students will parktudents are requir Also, to acquire plat videos. In the ficion for the classes search note." The days as a tool to show if study time. Testil, numbers and watcher, original queer problems from the tool to show if system. In additive Ichi's problems ide the campus. Decific calculation in sting udents think about	rticipate in group ed to read the teroblem-solving at uture, physical restroyed from the beginn note contains existed the solutions of solving are destions elaborated should understand to the teachers! This fact and ferenthods: https://sabsences.wisomething from	-specifications -specifications -specifications -specification -sp	ic activities in advases in advases we signment ons of the had studie to other extbook is mentary, vill give coogle.coresxcused.	e contents from in the textbook, es and solve problems together ince, to make team activities style, we recommend the use of vill be abolished, so the students to the students have to make and the background and essence of each lied. It also should include longhisted in the style of sold difference of interpretation or are not used. In resume, this learning materials as the videos from corner to corner, as a third-extra handouts may be distributed onfidence to the students in other m/s.akashi.ac.jp/physics/	
Notice	(a ()	of the gia animatior understar you will b	nts, are not on may lead to ending of physical ecome a sophis	ly inefficient but al rroneous concepts al phenomena. By sticated technician	so blaspheme. Ir (simple concept) acquiring the "sty	n the le) and s vle" of	arning of ometimes thinking of	physics, images from comics and s interfere with correct developed by predecessor physics, tions and pseudoscience!	
<u>Characteristi</u>	cs of (class /	טוvision in L T	earning	<u> </u>			Tratural D. C	
☑ Active Learni	ing		☑ Aided by I	СТ	☑ Applicable t	o Remo	ote Class	☐ Instructor Professionally Experienced	
Course Plan									
		т	heme			Goals			
	1s	t S	Six formulas for	single oscillation(p	o151-p154)	Can ex	xplain tex	tbook's problems 170,172	
	2n 3r		Spring pendulur Simple pendulur		Can explain textbo			tbook's problems 173,175,177	
1st Semeste 1st Quart	4	h k		d Universal Gravita	ation(p160-		•	xtbook's problems 179,180 xtbook's problems 189,191	
r Quart	5tl	F		ellites(p164-p165)		Can explain textbook's problems 189,191 Can explain textbook's problems 192,194,195			
		h F	otential evergy	due to universal		Can explain textbook's problems 192,194,193			
	6tl		ravitation(p16			Can ex	xpidin tex	ook s problems 190,197,198	

	7th	Earth sciences1,2		Understand and to earth science.	can explain several topics related	
	8th	Mid term exams		Correctly answer	more than 80 % of the test.	
	9th	Temperature and Heat((p186-p195)	Can explain textl	oook's problems 207,211,214	
	10th	Specific Heat Experime	nt	Can conduct expreports on time.	eriments sagely and submit	
24	11th	Gas law(p196-p201)		Can explain textb 228,229,230,233		
2nd Quarte	r 12th	Kinetic theory of gaseon	us molecules(p202-206)	Can explain textl	oook's problems 238	
	13th	First law of thermodyna	amisc(p207-p212)	Can explain textl	oook's problems 241-242	
	14th	P-V graph and molar sp	pecific heat	Can explain textl	oook's problems 243,144,249	
	15th	Thermomotor(p218-p2	25)	Can solve basic themodynamic problems		
	16th	End term exams		Correctly answer	more than 80 % of the test.	
Evaluation Me	thod and	l Weight (%)				
		Examination	Others		Total	
Subtotal		40	60		100	
Basic Proficiency		40	60		100	
Specialized Profic	Specialized Proficiency		0 0		0	
Cross Area Profic	iency	0	0		0	

Akashi College Course Information			Year 2024				ourse Title	Science II A-2
Course Infor	rmation							
Course Code	6210				Course Category	,	General ,	Compulsory
Class Format	Lectu	e			Credits		School C	redit: 1
Department	Mecha	nical E	Engineering		Student Grade	2nd		
Term	Secon	d Sem	ıester		Classes per Wee	k	2	
Textbook and/ Teaching Mater								
Instructor	TAKE	JCHI N	/lasahiro,					
Course Obje	ectives							
Rubric								
Tabile .		T	deal Level		Standard Level			Unacceptable Level
Achievement 1			Jnderstand the	e concept of res and units, em appropriately.	Can handle signi and units approp			Doesn't understand the concept of significant figures and units, and can't handle them appropriately.
Achievement 2		V	Inderstand the ector and cor hem properly	nponent, and use	Can use vector a properly.	nd co	omponent	Doesn't understand and can't use vector and component.
Achievement 3		d q t	lynamics of th Juantity, and I	be able to explain and perform	Understand the dynamics of the quantity.			Doesn't understand the concept of the dynamics of the physical quantity.
Assigned De	<u>epartm</u> ent	<u>Obj</u> ec	ctives					
Teaching Me		_						
	neces units. assign	sary to The st	understand t tudents will le	the trigonometric farn how to study	unctions. Also, wow themselves thr	ill be ough	guided to daily task	components of a vector is handle significant figures and as, such as self-learning, doing
Outline	and cocause equat Next, a tota The si 4: To the st through of all	onsequed by the students undersudents when the dynamical in the line of the dynamical in th	uence in physine exercise of dynamics 4. udents will stuw of physical s must pay at stand constants will use simple study of the lamic phenor	ation research not cal phenomena. F a force and influe Dynamics 3: to u udy energy conser quantities learned tention to the diffet velocity circular ble vibration as an aw of universal gr	or example, accel nced by mass. The nderstand torque vation law and moso far, the studer erences in power motion through the instrument to lea avitational attract by the equation of the street of th	eration e students which comen in the students with the students w	o underston (learned dents will not a quatum consill be preported to the consill be preported to the consill be preported to the cout sounce out sounce ou	and the relation between cause d in dynamics 1) is the result, learn more about movements ntitative concept of lever principle ervation law. Here, by conducting ared to comprehend dynamics 4. at are easily confused. Dynamics dimensional. As an application, and light waves. Furthermore, the students will become aware
Outline	and cocause equat Next, a tota The side of all they compared the submitted submitted for the proble term of	onsequed by the ons in the still review udents understyle the still the stil	uence in physine exercise of dynamics 4. udents will students will students will students will students will use simp study of the lamic phenorite the equational lesson (90 mecond half the atbook. The students on preparations on preparations periods of is preserved, idents and team of the lamb page task, evaluation ce. I can solvide and outside sillers will siller and cutsing the served on the lamb page task, evaluation ce. I can solvide and outside and outside sillers will siller and sillers and team of the lamb page task, evaluation ce. I can solvide and outside sillers will siller and sillers will siller and sillers will siller and sillers will	ation research not call phenomena. First a force and influe Dynamics 3: to use to use the control of the contro	or example, accel need by mass. Th nderstand torque vation law and moso far, the studerences in power motion through the instrument to lea avitational attract by the equation of eit. half the teacher with the physical reverse to read the text oblem-solving and ture, physical reverse to the text of the text of the text problem of solving are chost on selaborated et extbook, in additional and to the teachers. This fact and fee	eraticce e students which which which which which which we not a student will end to be a student will end to be a student so are a sange by the dition of the total will end to be a sange with the total will	o underst on underst on (learned tents will on is a quatum consill be prepublic out sound y Newton tion. To resplain the cactivities in advance thad study of the had study of t	and the relation between cause d in dynamics 1) is the result, learn more about movements ntitative concept of lever principle. ervation law. Here, by conducting ared to comprehend dynamics 4. at are easily confused. Dynamics -dimensional. As an application, and light waves. Furthermore, the students will become aware nake the students perceive that if contents from in the textbook, and solve problems together nee, to make team activities style, we recommend the use of ll be abolished, so the students: The students have to make and background and essence of each ed. It also should include long-in school physics book (the style of id difference of interpretation are not used. In resume, this earning materials as the videos from corner to corner, as a third-extra handouts may be distributed on fidence to the students in other
	and cocause equat Next, a tota The si 4: To the st throughof all they composite smoothe subm proble term the pr betwee course and th party as a r activit Evalua Re-ex In jun of the anima under	onsequed by the ons interest in the structure of the stru	uence in physine exercise of dynamics 4. udents will st. w of physical s must pay at stand constant will use simple study of the lamic phenorite the equation lesson (90 mecond half the thook. The st meaningful. A web page and on preparation is preserved, in the lamb page task, end evaluation ce. I can solvide and outsic points: For spetion: No retes the school, study, are not only hay lead to ern of physical to grand of physical dynamics.	ation research not ical phenomena. Fa a force and influe Dynamics 3: to use up and influe Dynamics 3: to use year quantities learned tention to the diffect velocity circular ole vibration as an aw of universal granena, represented ons, they can solve injustes) in the first extudents are required videos. In the full dents are required videos. In the full year on for the classes learch note. The ras a tool to show study time. Test: numbers and way cher, original que problems from the to. The students significant problems! The students significant problems! The calculation metring dents think about so inefficient but als roneous concepts phenomena. By a study of the students and some our concepts of the problems and the students of the students also roneous concepts.	or example, accel- nced by mass. Th nderstand torque vation law and mo so far, the studer erences in power in motion through th instrument to lea avitational attract by the equation of e it. half the teacher in cicipate in group-s ed to read the text oblem-solving and ture, physical rever from the beginnin note contains expl how much the stu The test problem y of solving are che stions elaborated e textbook, in add nould understand n to the teachers' This fact and fee ethods: https://si 5 absences will something from zo o blaspheme. In t (simple concept) cquiring the "style cquiring the "style	eratice e students which e and the transfer of transfer of the transfer of	o underst on underst on (learned tearners will on is a quatum consult be prepared to the prepa	and the relation between cause d in dynamics 1) is the result, learn more about movements ntitative concept of lever principle. ervation law. Here, by conducting ared to comprehend dynamics 4. Let are easily confused. Dynamics -dimensional. As an application, and light waves. Furthermore, the students will become aware nake the students perceive that if contents from in the textbook, is and solve problems together nee, to make team activities style, we recommend the use of a background and essence of each ed. It also should include long-in school physics book (the style of id difference of interpretation are not used. In resume, this earning materials as the videos from corner to corner, as a third-extra handouts may be distributed
Style	and cocause equat Next, a tota The side of all they compared the submingroble term the proble term and ir party as a ractivit Evaluation of the anima under you w	onsequed by the consistence of the structure of the struc	uence in physine exercise of dynamics 4. udents will students will students will students will students will students will use simp study of the learning the equation of the learning the the equation of the students will use simp study of the learning ful. Web page and the learning ful. Web page and son preparations periods of is preserved, idents and team of the learning of the learning of the learning of physical order o	ation research not call phenomena. First a force and influe Dynamics 3: to undy energy conserquantities learned tention to the diffect velocity circular ple vibration as an aw of universal gramma, represented ons, they can solve initutes) in the first extudents will particulate a students will particulate a students are require particulated by the classes where the classes will be considered by the classes and way time. Test: numbers and way time. Test: numbers and way the classes where, original queroblems from the transportant or considered by the campus. The students system. In addition the classes we considered the campus are considered by inefficient but also roneous concepts a phenomena. By a dicated technician with the classes and the concepts of the concepts of the classes and the concepts of the classes and the classes are concepts of the classes and the classes are concepts of the classes and the classes are classes are classes and the classes are classes are classes. The classes are classes are classes are classes and the classes are classes are classes are classes are classes are classes. The classes are classes. The classes are classes. The classes are classes are classes are classes are classes are classes are classes. The classes are c	or example, accel- nced by mass. Th nderstand torque vation law and mo so far, the studer erences in power in motion through th instrument to lea avitational attract by the equation of e it. half the teacher in cicipate in group-s ed to read the text oblem-solving and ture, physical rever from the beginnin note contains expl how much the stu The test problem y of solving are che stions elaborated e textbook, in add nould understand n to the teachers' This fact and fee ethods: https://si 5 absences will something from zo o blaspheme. In t (simple concept) cquiring the "style cquiring the "style	eratice e students which e and the transfer of transfer of the transfer of	o underst on underst on (learned tearners will on is a quatum consult be prepared to the prepa	and the relation between cause d in dynamics 1) is the result, learn more about movements ntitative concept of lever principle. ervation law. Here, by conducting ared to comprehend dynamics 4. at are easily confused. Dynamics -dimensional. As an application, and light waves. Furthermore, the students will become aware make the students perceive that if contents from in the textbook, is and solve problems together nee, to make team activities style, we recommend the use of ll be abolished, so the students: The students have to make and background and essence of each ed. It also should include longance in school physics book (the style of id difference of interpretation are not used. In resume, this earning materials as the videos of corner to corner, as a third-extra handouts may be distributed in the fidence to the students in other in/s.akashi.ac.jp/physics/
Style Notice Characterist	and cocause equat Next, a total The side of all interest through of all interest through of all interest the problem of the submitte problem of the party as a ractivities and the party and the animal fill interest the party and the party an	onsequents of the sequents of	uence in physine exercise of dynamics 4. udents will students will students will students will students will students will use simp study of the learning the equation of the learning the the equation of the students will use simp study of the learning ful. Web page and the learning ful. Web page and son preparations periods of is preserved, idents and team of the learning of the learning of the learning of physical order o	ation research not ical phenomena. Final phenomena. Final phenomena. Final phenomena. Final phenomena final phenomena. Final phenomena final phenomena final phenomena. Final phenomena final phenomena. Final phenomena final phenomena. Final phenomena final phenomena final phenomena. Final phenomena final phenomena. Final phenomena final phenomena. Final phenomen	or example, accel- nced by mass. Th nderstand torque vation law and mo so far, the studer erences in power in motion through th instrument to lea avitational attract by the equation of e it. half the teacher in cicipate in group-s ed to read the text oblem-solving and ture, physical rever from the beginnin note contains expl how much the stu The test problem y of solving are che stions elaborated e textbook, in add nould understand n to the teachers' This fact and fee ethods: https://si 5 absences will something from zo o blaspheme. In t (simple concept) cquiring the "style cquiring the "style	eratice e students which which which which which which which or and set en an	o underst on underst on (learned tearners will on is a quatum consult be prepared to the prepa	and the relation between cause d in dynamics 1) is the result, learn more about movements nitiative concept of lever principle. Ervation law. Here, by conducting ared to comprehend dynamics 4. at are easily confused. Dynamics dimensional. As an application, and light waves. Furthermore, the students will become aware make the students perceive that if contents from in the textbook, is and solve problems together nice, to make team activities style, we recommend the use of ll be abolished, so the students: The students have to make and background and essence of each ed. It also should include longals school physics book (the style of id difference of interpretation are not used. In resume, this earning materials as the videos of corner to corner, as a third-extra handouts may be distributed in the fidence to the students in other in/s.akashi.ac.jp/physics/
Notice Characterist ✓ Active Learn	and cocause equat Next, a tota The si 4: To the st throug of all i they co Durin and ir from i smool the st should subm proble term the pr betwe cours and th party as a r activit Evalua Re-ex In jun of the anima under you w	onsequents of the sequents of	uence in physi- ne exercise of dynamics 4. udents will stu- w of physical s must pay at stand constant swill use simple study of the leading of the leading of the leading lesson (90 mecond half the thook. The stu- meaningful. A web page and on preparation is "problem residents and tead ons periods of is preserved, idents and tead ons periods of is preserved, idents and solve it evaluation ce. I can solve it is on the condition	ation research not ical phenomena. Final phenomena. Final phenomena. Final phenomena. Final phenomena final phenomena. Final phenomena final phenomena final phenomena. Final phenomena final phenomena. Final phenomena final phenomena. Final phenomena final phenomena final phenomena. Final phenomena final phenomena. Final phenomena final phenomena. Final phenomen	or example, accel need by mass. Th nderstand torque vation law and moso far, the studerences in power motion through the instrument to lea avitational attract by the equation of eit. half the teacher sicipate in group-sicipate in group and the teachers of solving are challenged in group in	eratice e students which which which which which which which or and set en an	o underst on underst on (learned tearners will on is a quatum consult be prepared to the prepa	and the relation between cause d in dynamics 1) is the result, learn more about movements ntitative concept of lever principle. Ervation law. Here, by conducting ared to comprehend dynamics 4. at are easily confused. Dynamics -dimensional. As an application, and light waves. Furthermore, the students will become aware nake the students perceive that if contents from in the textbook, and solve problems together nee, to make team activities style, we recommend the use of ll be abolished, so the students. The students have to make and background and essence of each ed. It also should include longischool physics book (the style of id difference of interpretation are not used. In resume, this earning materials as the videos om corner to corner, as a third-extra handouts may be distributed infidence to the students in other n/s.akashi.ac.jp/physics/
Style Notice Characterist ✓ Active Learn	and cocause equat Next, a tota The si 4: To the st throug of all i they co Durin and ir from i smool the st should subm proble term the pr betwe cours and th party as a r activit Evalua Re-ex In jun of the anima under you w	onsequents of the sequents of	uence in physine exercise of dynamics 4. udents will st. w of physical s must pay at stand constant will use simp study of the lamic phenorite the equation lesson (90 mecond half the thook. The st meaningful. A web page and on preparation is problem rest not be used ons periods of is preserved, idents and team of the page task, enal evaluation ce. I can solvide and outsic points: For spetion: No retest his chool, study, are not only hay lead to enal of physical ome a sophist vision in Leaf Aided by IC	ation research not ical phenomena. Final phenomena. Final phenomena. Final phenomena. Final phenomena final phenomena. Final phenomena final phenomena final phenomena. Final phenomena final phenomena. Final phenomena final phenomena. Final phenomena final phenomena final phenomena. Final phenomena final phenomena. Final phenomena final phenomena. Final phenomen	or example, accel need by mass. Th nderstand torque vation law and me so far, the studerences in power motion through the instrument to lea avitational attract by the equation of eit. half the teacher icipate in group-sed to read the text oblem-solving and ture, physical reverse to the solving are contains exployed to read the text oblem-solving and ture, physical reverse to solving are chown much the structure, and the structure of solving are chown elaborated textbook, in additional dunderstand in the teachers. This fact and fee thods: https://sissomething. In the concept) of solving the "style who is not misled" Applicable to	eratice e students which which which which which which which or and set en an	o underst on underst on (learned tearners will on is a quatum consult be prepared to the prepa	and the relation between cause d in dynamics 1) is the result, learn more about movements ntitative concept of lever principle ervation law. Here, by conducting ared to comprehend dynamics 4. at are easily confused. Dynamics -dimensional. As an application, and light waves. Furthermore, the students will become aware nake the students perceive that if contents from in the textbook, and solve problems together nee, to make team activities style, we recommend the use of ll be abolished, so the students. The students have to make and background and essence of each ed. It also should include longischool physics book (the style of id difference of interpretation are not used. In resume, this earning materials as the videos om corner to corner, as a thirdextra handouts may be distributed infidence to the students in other hys.akashi.ac.jp/physics/ who do not stand on the shoulder physics, images from comics and interfere with correct eveloped by predecessor physics, ions and pseudoscience!
Notice Characterist ✓ Active Learn Course Plan	and cocause equat Next, a tota The si 4: To the st throug of all i they co Durin and ir from i smool the st should subm proble term the pr betwe cours and th party as a r activit Evalua Re-ex In jun of the anima under you w	onsequently by the one into the students where the dynamical peach the standard poort of the standard process of the control of the con	uence in physine exercise of dynamics 4. udents will study of physical smust pay at stand constant will use simple study of the lamic phenorite the equation lesson (90 mecond half the thook. The stimeaningful. A web page and son preparation in problem rest on preparation in problem rest on preparation in problem rest on the used on speriods of is preserved, idents and team of the page task, enal evaluation ce. I can solvide and outsit or in the problem	ation research not call phenomena. First a force and influe Dynamics 3: to use up of the control	or example, accel need by mass. Th nderstand torque vation law and me so far, the studer rences in power important to lea avitational attract by the equation de it. half the teacher vicipate in group-sed to read the text oblem-solving and ture, physical reversions elaborated to solving are characteristic of the solving are characteristic of th	eratice e students which which which wand e the read of the read o	o underst ounderst on (learner	and the relation between cause d in dynamics 1) is the result, learn more about movements ntitative concept of lever principle. ervation law. Here, by conducting ared to comprehend dynamics 4. at are easily confused. Dynamics -dimensional. As an application, and light waves. Furthermore, the students will become aware nake the students perceive that if contents from in the textbook, and solve problems together nee, to make team activities style, we recommend the use of ll be abolished, so the students. The students have to make and background and essence of each ed. It also should include longaction are not used. In resume, this earning materials as the videos om corner to corner, as a third-extra handouts may be distributed infidence to the students in other hys.akashi.ac.jp/physics/
Style Notice Characterist Active Learn Course Plan Someosto 3rd	and cocause equat Next, a total The side of all in the st through of all in the submit of the submit	onsequent by the ons in the structure of the dynamic of the dynamic of the structure of the text of the text of the text of the structure of the text	uence in physine exercise of dynamics 4. udents will students will students will students will students will students will stand constants will use simple study of the leading of the lea	ation research not call phenomena. Final phenomena. Final phenomena. Final phenomena. Final phenomena. Final phenomena. Final phenomena phenomena. Final phenomena phe	or example, accel need by mass. Th nderstand torque vation law and me so far, the studerences in power important to lea avitational attract by the equation of eit. half the teacher icipate in group-sed to read the text oblem-solving and ture, physical reverse the test problem to solving are chromatory of the solving are chromat	eratice e students which which will expect the standard s	o underst on underst on (learner on (learn	and the relation between cause d in dynamics 1) is the result, learn more about movements ntitative concept of lever principle. Ervation law. Here, by conducting ared to comprehend dynamics 4. at are easily confused. Dynamics -dimensional. As an application, and light waves. Furthermore, the students will become aware nake the students perceive that if contents from in the textbook, and solve problems together nee, to make team activities style, we recommend the use of ll be abolished, so the students: The students have to make and background and essence of each ed. It also should include long-inschool physics book (the style of id difference of interpretation are not used. In resume, this earning materials as the videos om corner to corner, as a third-extra handouts may be distributed on fidence to the students in other on/s.akashi.ac.jp/physics/ Who do not stand on the shoulder physics, images from comics and interfere with correct eveloped by predecessor physics, ions and pseudoscience!
Notice Characterist ✓ Active Learn Course Plan	and cocause equat Next, a total The side of all in the st through of all in the submit of the submit	onsequent by the ons in the students undersudents undersudents the dynamic standard second se	uence in physine exercise of dynamics 4. udents will study of physical smust pay at stand constant will use simple study of the lamic phenorite the equation lesson (90 mecond half the thook. The stimeaningful. A web page and son preparation in problem rest on preparation in problem rest on preparation in problem rest on the used on speriods of is preserved, idents and team of the page task, enal evaluation ce. I can solvide and outsit or in the problem	ation research not call phenomena. Final phenomena. Final force and influe Dynamics 3: to use using energy conserquantities learned tention to the diffect velocity circular ple vibration as an aw of universal gramena, represented constant of the constant of the constant of the particular of the constant of the consta	or example, accel need by mass. Th nderstand torque vation law and me so far, the studer rences in power important to lea avitational attract by the equation of eit. half the teacher incipate in group-sed to read the text oblem-solving and ture, physical reversions elaborated et extbook, in additional dunderstand in the teachers. This fact and fee ethods: https://si.simple.concept) as a special property of the standing from zoo blaspheme. In the standing from zoo blaspheme in the standing from zoo blaspheme. In the standing from zoo blaspheme in the standing from zoo blaspheme in the standing from zoo blaspheme. In the standing from zoo blaspheme in the standing fro	eratice e students which which which which which which which will exist the company of the compa	o underst on underst on (learner on (learn	and the relation between cause d in dynamics 1) is the result, learn more about movements ntitative concept of lever principle. Ervation law. Here, by conducting ared to comprehend dynamics 4. at are easily confused. Dynamics -dimensional. As an application, and light waves. Furthermore, the students will become aware nake the students perceive that if contents from in the textbook, and solve problems together nee, to make team activities style, we recommend the use of ll be abolished, so the students: The students have to make and background and essence of each ed. It also should include longischool physics book (the style of id difference of interpretation are not used. In resume, this earning materials as the videos from corner to corner, as a third-extra handouts may be distributed on fidence to the students in other hys.akashi.ac.jp/physics/ who do not stand on the shoulder physics, images from comics and interfere with correct eveloped by predecessor physics, ions and pseudoscience!

		5th	Interference and refraction of light	(p85-p89)	Can explain textb	ook's problems 337,338
		6th	Thin films and Newton rings (p90-p	93)	Can explain textb	ook's problems 341,342
		7th	Electric field (p106-p116)		Can explain textb	ook's problems 351,349,353
		8th	Electric potential (p117-128)		Can explain textb	ook's problems 355,358,359
		9th	CBT(Computer Based Testing)		Can explain CBT	
			Capacitance of Capacitors and Capa Dielectrics (p129-p135)	acitors and	Can explain textb	ook's problems 332,334,335
			Capacitor connections and energy s capacitors (p136-p140)	stored in	Can explain textb	ook's problems 336,337,342
		12th	Ohm's law (p142-p147)		Can explain textb	ook's problems 357(1)~(4)
	4th Quarter		Joule heat and power and power ar (p148-p153)	nd DC circuits	Can explain textb	ook's problems 351,354,356
			Kirchhoff's Law, batteries and the V Bridge (p156-p159)	Vheatstone	Can explain textb	ook's problems 360,363,365
		15th	Measurement of electromotive force circuits with non-linear resistors an (p160-p163)		Can explain textb	ook's problems 367,368,369
		16th	final exam		Correctly answer	more than 80 % of the test.
Evaluati	on Meth	od and V	Veight (%)		·	
			Examination	Other		Total
Subtotal			40	60		100
Basic Profi	iciency	·	40	60		100

А	kashi Co	ollege	Ye	ear	2024		C	Course Title	Science II B-1
Course	Informa	tion							
Course Co	ode	6211				Course Catego	ry	General ,	/ Compulsory
Class Forr	mat	Lecture				Credits		School C	redit: 1
Departme	ent	Mechani	cal Engine	ering		Student Grade		2nd	
Term		First Ser	nester			Classes per We	eek	2	
Textbook Teaching									
Instructor		SAKURA	I Yasuhiro						
Course	Objectiv	es							
particles). 2. Can us reactants 3. Can ex	: e chemica and produplain and	l equations acts in a rea calculate th	, and expla action. ne basic ma	in and	calculate the ba	sic matters relate	d to th	e relations	matters related to the bonding of ship between the amounts of
Rubric			1						
			Ideal Le			Standard Level			Unacceptable Level
Achievem	ent 1		Can fully and accurately explain and calculate the basic matters related to the composition of substances (including matters related to the bonding of particles). Can explain and basic matters composition of su (including matter bonding of particles).			related substa ters re	to the ances lated to th	Cannot explain and calculate the basic matters related to the composition of substances (including matters related to the bonding of particles).	
Achievem	ent 2		and fully and calc related between	y and a culate t to the n the a ts and	ical equations, accurately explain the basic matters relationship mounts of products in a	Can use chemi and explain an basic matters r relationship be amounts of rea products in a r	d calcu elated tween actants	late the to the the and	Cannot use chemical equations, and explain and calculate the basic matters related to the relationship between the amounts of reactants and products in a reaction.
Achievem	ent 3		and cald	culate t	accurately explain the basic matters s and bases.				Cannot explain and calculate the basic matters related to acids and bases.
Achievem	ent 4		and cald	culate t to oxid	accurately explain the basic matters ation and tions.		related	to	Cannot explain and calculate the basic matters related to oxidation and reduction reactions.
Assigne	d Depar	tment Ob	ojectives						
Teachin	g Metho	od							
	. <u> </u>	The obje	ectives of tl	nis cou	rse is to gain a b	asic knowledge o	f chem	nicals, an	d to develop scientific thinking by
Outline		understa	anding the	basic t	heories of chemi	stry.			
Style					cture-style forma				
Notice		around u	us.		•	lives scientifically will not be eligible			ecognize that chemistry is all
Charact	eristics	of Class /				viii rioc be engibi		· varaatioiii	
☐ Active	Learning	•	□ Aide	d by IO	СТ	☑ Applicable t	o Rem	ote Class	☑ Instructor Professionally Experienced
	D.								
Course	rian T						<u> </u>		
			Theme				Goals		
ı		1st	Orientation	n: Whe	en learning chem	istry		1 :	
		2nd	Composition	on of s	ubstances - 1		relate	d to the c	I calculate the basic matters omposition of substances.
		3rd	Composition	on of s	ubstances - 2		relate	d to the c	I calculate the basic matters omposition of substances.
	1st	4th	cth Composition of substances - 3			relate	d to the c	I calculate the basic matters omposition of substances.	
1st	Quarter	5th	Composition of substances - 4				Can e relate	xplain and d to the c	I calculate the basic matters omposition of substances.
Semeste r		6th Bonding of particles - 1					Can e relate	xplain and do to the b	I calculate the basic matters onding of particles.
		7th	Bonding of	f partic	les - 2		Can e relate	xplain and d to the b	l calculate the basic matters onding of particles.
		8th	Chemical b	ondin	g and substances	5			
	2nd	9th			composition of s		relate	xplain and d to the cong ng of part	l calculate the basic matters omposition of substances and icles.
	Quarter	10th			ons and relations ants and produc		Can e relate	xplain and	l calculate the basic matters elationship between the amounts d products in a reaction.

11th	Chemical equations and relationshi amounts of reactants and products 2	p between the in a reaction -	related to the rela	calculate the basic matters ationship between the amounts products in a reaction.
12th			related to the rela	calculate the basic matters ationship between the amounts products in a reaction.
13th	Chemical equations and relationshi amounts of reactants and products 4	p between the in a reaction -	related to the rela	calculate the basic matters ationship between the amounts products in a reaction.
14th	Chemical equations and relationshi amounts of reactants and products 5	p between the in a reaction -	related to the rela	calculate the basic matters ationship between the amounts products in a reaction.
15th	amounts of reactants and products		related to the rela	calculate the basic matters ationship between the amounts products in a reaction.
16th	Final exam			
od and V	Veight (%)			
	Little test	Examination		Total
	65	35		100
<u>'</u>	65 35			100
су	0	0		0
lized Proficiency 0 Area Proficiency 0		0		0
	11th 12th 13th 14th 15th 16th od and V	11th amounts of reactants and products 2 Chemical equations and relationshi amounts of reactants and products 3 Chemical equations and relationshi amounts of reactants and products 4 Chemical equations and relationshi amounts of reactants and products 5 Chemical equations and relationshi amounts of reactants and products 5 Chemical equations and relationshi amounts of reactants and products 6 16th Final exam od and Weight (%) Little test 65 65	Chemical equations and relationship between the amounts of reactants and products in a reaction - 3 Chemical equations and relationship between the amounts of reactants and products in a reaction - 4 Chemical equations and relationship between the amounts of reactants and products in a reaction - 5 Chemical equations and relationship between the amounts of reactants and products in a reaction - 6 Chemical equations and relationship between the amounts of reactants and products in a reaction - 6 Ieth Final exam od and Weight (%) Little test Examination 65 35 65 35 ccy 0 0 0	amounts of reactants and products in a reaction - 2 Chemical equations and relationship between the amounts of reactants and products in a reaction - 3 Chemical equations and relationship between the amounts of reactants and products in a reaction - 4 Chemical equations and relationship between the amounts of reactants and products in a reaction - 5 Chemical equations and relationship between the amounts of reactants and products in a reaction - 5 Chemical equations and relationship between the amounts of reactants and products in a reaction - 5 Chemical equations and relationship between the amounts of reactants and products in a reaction - 6 Can explain and or related to the rel

京価項目1 ・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・	Course Code Class Format Department Term Textbook and/or Teaching Materials	6212 Lecture Mechanic Second S	al Facilities		T		
Credits	Class Format Department Term Textbook and/or Teaching Materials	Lecture Mechanic Second S	al Facilities		1		
Page	Department Term Textbook and/or Teaching Materials	Mechanic Second S	nd Fasi		Course Category	/ General	/ Compulsory
Term	Term Textbook and/or Teaching Materials	Second S	al Fasi :		Credits	School C	Credit: 1
Textbook and/or textbook a	Textbook and/or Teaching Materials		aı Engineering		Student Grade	2nd	
Teaching Materials	Teaching Materials		Semester		Classes per Wee	k 2	
Course Objectives 1. 物態の無限、(由子の語句に関する事項を含す)、に関する基本事項について説明や計算ができる。 1. 物態の無限、(由子の語句に関する事項を含す)、に関する基本事項について説明や計算ができる。 3. 物に製造の食品を基本事項について説明や背景ができる。 4. 態化・還元反応に関する基本事項について説明や背景ができる。 4. 態化・還元反応に関する基本事項について説明や背景ができる。 2. 単規的な計算レーバルの目安	Instructor			「リードa 化学基	基礎+化学」数研出版	版、「フォトサ	イエンス 化学図録」数研出版
1. 物質の機成(松子の社会に関する場所を含む)に関する基本制度について説明や計算ができる。 2. 化学施定式が呼吸え、反応等の機能に関する基本事態について関サる音が、		SAKURAI	Yasuhiro				
### 神師	1. 物質の構成(粒子 2. 化学反応式が取り 3. 酸・塩基に関する	の結合に関す 扱え、反応量 基本事項につ	の関係に関する基 いて説明や計算が	本事項について説明 できる。	Oいて説明や計算が 引や計算ができる。	できる。	
新衛の類成(特子の結合に関する 事項合金的(に関する基本事項 ・	Rubric						
理価項目1					標準的な到達レベ	ルの目安	未到達レベルの目安
部価項目2	評価項目1		事項を含む)について的確な説	関する基本事項に	事項を含む)に関	する基本事項に	事項を含む)に関する基本事項に
	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
### (こついて的確は説明や正確な計算 だった。	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 □ Cの科目は、企業で化学に関する研究開発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応にする。なり基準規模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けて立てる、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、ライブサイエンスにいても学習する。 Style 授業は講義形式で行う。確認テストを複数回適宜実施する。 □ 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する。 Page に表現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する。 Page に表現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する。 Page に表現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する。 Page に表現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する。 Page に表現学的は大変によって、「化学」が身近な存在であることを認識する。 Page に表現学的対象としない文所条件、指針合)」が3以上の欠課 Active Learning □ Aided by ICT □ Applicable to Remote Class □ Instructor Professionally Experienced Active Learning □ Aided by ICT □ Applicable to Remote Class □ Instructor Professionally Experienced Soals	評価項目4		について的確な	説明や正確な計算	酸化・還元反応にについて説明や計	関する基本事項 算ができる。	酸化・還元反応に関する基本事項 について説明や計算ができない。
この科目は、企業で化学に関する研究開発を担当していた教員が、その経験を活かし、化学物類の性質や化学の応じていていていては悪化ではまたでは素を行うものである。習得した化学の基礎事項をくらしや生活環境と関連付けていても、できずする。	Assigned Depai	rtment Ob	jectives				
この科目は、企業で化学に関する研究開発を担当していた教員が、その経験を活かし、化学物類の性質や化学反応にできる。	Teaching Metho	od					
評価の対象としない欠席条件(割合) 1/3以上の欠課 Characteristics of Class / Division in Learning	Style	する基礎 立てる、(いても学習 授業は講	印識について講義別 化学の基礎理論を理 習する。 養形式で行う。確認	ド式で授業を行うも 里解することによっ ステストを複数回適	のである。習得した て、科学的思考を養 宜実施する。	:化学の基礎事項 きうことを目標と	をくらしや生活環境と関連付けて役さる。また、ライフサイエンスにつ
□ Active Learning □ Aided by ICT □ Applicable to Remote Class □ Instructor Professionally Experienced □ Instructor Instru		評価の対	象としない欠席条	件(割合) 1/3以上	の欠課		
Theme	<u>Characteristics</u>	of Class /	Division in Le	earning			
Theme Goals 1st 酸・塩基の反応 - 1:酸・塩基の性質	☐ Active Learning		☐ Aided by IC	CT	☑ Applicable to	Remote Class	☑ Instructor Professionally Experienced
2nd Semester r 9th 酸・塩基の反応 - 1:酸・塩を受性質 一切ス、プレンスデッドローリーの酸・塩基を理解し、説明できる。アレジス、プレンスデッドローリーの酸・塩基を理解し、説明できる。 アレジス、プレンスデッドローリーの酸・塩基を理解し、説明できる。 の性質を理解し、酸と塩基の強弱を説明できる。 の性質を理解し、酸・塩基の反応 - 4:pHと指示薬	C N						
2nd Quarter 酸・塩基の反応-2:価数と電離度 一次ス、プレンステッドローリーの酸・塩基を理解し、説明できる。アレウス、プレンステッドローリーの酸・塩基を理解し、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 報・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の変化ついて考察、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し、説明できる。 6th 酸・塩基の反応-6:中和滴定 中和液定について理解し、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 酸化数について理解し、酸化・還元反応前後の変化説明できる。 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-5:金属の酸化還元反応式 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。 14th 酸化・還元反応-6: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 生物学1、生物学2 電池の仕組みについて理解し、説明できる。 15th 財本試験 後期の内容に関する基礎問題が解ける。ライフサインスに関する内容について理解し、解説できる。	Course Plan	1 1			1.		
2nd 酸・塩基の反応-2:価数と電離度 ウス、ブレンステッドローリーの酸・塩基を理解し、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 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の変化ついて考察、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、間できる。 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 酸化と還元について理解し、酸化・還元反応前後の変化説明できる。 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・還元反応前後の変化説明できる。 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式で理解し、説明できる。 14th 酸化・還元反応-6: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 生物学1、生物学2 電池の仕組みについて理解し、説明できる。 16th 期末試験 後期の内容に関する基礎問題が解ける。ライフサインスに関する基礎問題を解き、説明できる。			Theme				
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 砂・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の変化ついて考察、説明できる。塩の性質を理解し、明できる。 5th 酸・塩基の反応-5:中和反応と塩		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、
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の変化ついて考察、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、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・還元反応前後の変化説明できる。 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 数の内容に関する基礎問題が解ける。ライフサインスに関する基礎問題が解ける。ライフサイ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	 酸・塩基の反応 – 2				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の変化ついて考察、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、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・還元反応前後の変化説明できる。 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。 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 生物学1、生物学2 酸化・還元に関する基礎問題が解ける。ライフサイ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 − 3	 3:水素イオン濃度	7	 K素イオン濃度(こついて理解し、説明できる。
2nd Semester 6th 酸・塩基の反応-6:中和滴定 中和原応について理解できる。塩の性質を理解し、明できる。 2nd Semester 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、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。 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 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 数化の内容に関する基礎問題が解ける。ライフサイ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。					ŗ	H、指示薬につ	・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・
2nd Semester T6th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。 酸・塩基の反応に関する基礎問題が解ける。 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・還元反応前後の変化 説明できる。10th酸化・還元反応-3:酸化剤、還元剤 11th代表的な酸化剤、還元剤の性質を理解し説明できる。 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 12th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 14thイオン化傾向について説明できる。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。ライフサイ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-5	 5:中和反応と塩	[中和反応につい ⁻	
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・還元反応前後の変化説明できる。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。ライフサイ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	 酸・塩基の反応 _ 6				
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・還元反応前後の変化説明できる。 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。ライフサイ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・還元反応前後の変化 説明できる。 10th 酸化・還元反応-3:酸化剤、還元剤 11th 代表的な酸化剤、還元剤の性質を理解し説明できる。 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 13th 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 14th イオン化傾向について説明できる。 15th 酸化・還元反応 生物学1、生物学2 電池の仕組みについて理解し、説明できる。 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。							
4th Quarter 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) 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できる。 13th 酸化・還元反応-6:イオン化傾向 (14th) 一位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 (16th) 一般化・還元反応 (生物学1)、生物学2 (大変元の内容に関する基礎問題を解き、説明できる。 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。					Ē	後化数についてヨ	
4th Quarteright 2th 2th 2marteright 2marteright 3marteright 					1	弋表的な酸化剤、	
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。ライフサイ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。ライフサイ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。ライフサイ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 Bich (Manager)		14th	酸化・還元反応 − 7	/:電池			
					ンスに関する内容	容について理解し、解説できる。	
Evaluation Method and Weight (%)						後期の内容に関う	する基礎問題を解き、説明できる。
	Evaluation Meth	hod and W	/eight (%)		1		

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

				_				
A	kashi Co	llege	Year	2024		ourse Title	Physical Education II-1	
Course :	Informat	ion						
Course Co	ode	6213			Course Categor	γ	General /	Compulsory
Class Forr	nat	Skill			Credits		School Cre	edit: 1
Departme	ent	Mechani	cal Engineering		Student Grade		2nd	
Term		First Ser	nester		Classes per We	ek	2	
Textbook Teaching								
Instructor	-	GOTOH	Takayuki,MAEDA	Tadanori				
Course	Objective	es						
Particip Can tal	ate in clas	ses to imp	sports safely. Also	n health and phys , recognizes the s	ical strength. Ali gnificance of co	so, hav Ilaborat	e some lev	vel of self-discipline. ooperating with the team and can
Rubric	•							
			Ideal Level		Standard Level			Unacceptable Level
Achievem	ent 1		improve their	th. Have a high	Participate in cl their health and strength. Have self-discipline.	d physi	cal '	Reluctant to participate in classes, or improve their own health and physical strength. Do not have a high level of self-discipline.
Achievem	ent 2		sport practices are very comp	pate in various and games, and etitive. Also have ce on games, etc.	Can actively pa various sport p games. And als for them.	ractices	s and	Do not participate in various sport practices and games.
Achievem	ent 3		Understand th well, and can teamwork.	e role of a leader nelp increase	Understand and take on the role	d can p e of a le	lay or eader.	Do not understand the role of a leader. Also, never play that role.
Assigne	d Depart	ment Ob	ojectives					
Teachin	g Metho	 d						
Outline		the habi Students content.	t of playing sports s will split into gro Students can cho other sports as de	s on a daily basis. oups and leaders w oose from: Softball	This class requir vill take the lead , soccer, futsal,	es an a to plar tennis,	active and n, review, a basketbal	of sports so that they can build proactive attitude to participate. and implement the course I, volleyball, badminton, table , based on requests from
Style		they sho	ould learn the rule	to actively participes and how to play advanced technostructors should we	games, etc., an	d try to	learn bas mwork thr	discover the fun of sports. First, ic skills. In addition, they are ough games and game-style welcoming class.
Notice		them, po • Do no These an • Use o • Tardin but their • If it is that class absence	pints will be dedu by wear accessorie re also eligible for f smartphones or ness will be excus attendance will discovered that swill be marked	cted from their gra es, watches, or any grade deduction. any other unrelatived for the first 20 be marked as abse a student left class	nde. other unnecess ed activities duri minutes. Studer nt. early without b ir grade for prev	sary ite ing clas nts can eing ex vious cl	ms, as we as are subj participate ccused (dit asses will	clothing. If students fail to wear ll as chewing gum during class. ect to point deductions. e in the class after 20 minutes, ching class), their attendance for suffer a deduction equal to an
Charact	aristics o	•	Division in Le		will flot be eligi	DIE 101	evaluation	
☑ Active		n Class /	☐ Aided by I		☑ Applicable to	o Remo	te Class	☐ Instructor Professionally Experienced
Cource	Dlan							
Course	riaii		Thomas		1	Ccal-		
		1st	Theme Guidance			course	. Reacknow	purposes and objectives of this wledge that warm-ups are ely exercise.
		2nd	Softball, soccer, volleyball, badmi as determined fe safety, based on	and practice, play games, and ss, led by a leader.				
1st Semeste r	1st Quarter	3rd	Softball, soccer, volleyball, badmi as determined fe safety, based on	etball, other sports while ensuring	Can do reflect	warm-up on the cla	and practice, play games, and ss, led by a leader.	
	Softball, soccer, futsal, tennis, basketl volleyball, badminton, table tennis, ot as determined feasible by teachers when safety, based on requests from students.			etball, other sports while ensuring	Can do warm-up and practice, play games, a reflect on the class, led by a leader.			
		5th	as determined fe	futsal, tennis, bask nton, table tennis, asible by teachers requests from stud	while ensuring	Can do warm-up and practice, play games, and reflect on the class, led by a leader.		

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

A	kashi Co	inde ,						Physical Education II-2			
Course :	Informat	ion									
Course Co	ode	6214		Course Catego					Compulsory		
Class Forr	nat	Skill		Credits					edit: 1		
Departme	ent	Mechani	cal Engineering	Engineering Student Grad					2nd		
Term		Second :	Semester			Classes per We	ek	2			
Textbook Teaching							,				
Instructor	-	GOTOH	OTOH Takayuki,MAEDA Tadanori								
Course	Objective	es	Terr rakayakiji wiebri radanen								
Particip Can tal	ate in clas	ses to imp	sports safely. Als	wi so,	n health and phys recognizes the si	ical strength. Algoriticance of col	so, hav labora	ve some lev ting and co	vel of self-discipline. operating with the team and can		
Rubric											
			Ideal Level			Standard Level			Unacceptable Level		
Achievem	ent 1		improve their	r h ngi	h. Have a high	Participate in cl their health and strength. Have self-discipline.	d physi	cal '	Reluctant to participate in classes, or improve their own health and physical strength. Do not have a high level of self-discipline.		
Achievem	ent 2		sport practice are very com	es Ipe	pate in various and games, and titive. Also have e on games, etc.	Can actively pa various sport p games. And als for them.	ractice	s and	Do not participate in various sport practices and games.		
Achievem	ent 3		Understand t well, and can teamwork.		role of a leader elp increase	Understand and take on the role	d can p	olay or eader.	Do not understand the role of a leader. Also, never play that role.		
Assigne	d Depart	ment Ob	ojectives								
Teachin	g Metho	d									
Outline		the habi Students content.	t of playing spor s will split into g Students can ch other sports as d	ts roi ho	on a daily basis. Tups and leaders wo se from: Softball	This class requir ill take the lead , soccer, futsal,	es an a to plar tennis	active and properties	of sports so that they can build proactive attitude to participate. and implement the course I, volleyball, badminton, table , based on requests from		
Style		they sho	ould learn the ru	les re	o actively particip and how to play advanced technol ructors should wo	games, etc., an	d try to	o learn bas mwork thro	discover the fun of sports. First, ic skills. In addition, they are ough games and game-style welcoming class.		
Notice		them, po • Do no These an • Use o • Tardin but their • If it is that class absence	pints will be ded to wear accessore also eligible for smartphones coness will be excurattendance will discovered that is will be marked.	uc or a use I b t a	ted from their gra s, watches, or any grade deduction. any other unrelate dd for the first 20 e marked as abse student left class	de. other unnecess ed activities duri minutes. Studer nt. early without b ir grade for prev	sary ite ng clas nts can eing ex vious c	ems, as wel ss are subje participate ccused (dite lasses will	clothing. If students fail to wear ll as chewing gum during class. ect to point deductions. e in the class after 20 minutes, ching class), their attendance for suffer a deduction equal to an .		
Charact	eristics o	•	Division in L			viii rioc be engi	<u> </u>	CVGIGGEIGII			
☑ Active		n Class j	☐ Aided by			☑ Applicable to	Remo	ote Class	☐ Instructor Professionally Experienced		
Course	Plan										
Course	1 1011		Theme				Goals				
		1st	Guidance				Under	. Reacknow	ourposes and objectives of this wledge that warm-ups are ely exercise.		
		2nd	volleyball, badn as determined f	oftball, soccer, futsal, tennis, basketball, olleyball, badminton, table tennis, other sports					and practice, play games, and ss, led by a leader.		
2nd Semeste r	3rd Quarter	3rd	Softball, soccer, futsal, tennis, basketbal volleyball, badminton, table tennis, othe as determined feasible by teachers while safety, based on requests from students			etball, other sports while ensuring	Can do	o warm-up on the clas	and practice, play games, and ss, led by a leader.		
		Softball, soccer, futsal, tennis, basketbal volleyball, badminton, table tennis, other as determined feasible by teachers while safety, based on requests from students			other sports while ensuring lents.	corts Can do warm-up and practice, play games, suring reflect on the class, led by a leader.					
		5th	Softball, soccer, volleyball, badn as determined f safety, based or	, funing fea n r	itsal, tennis, bask ton, table tennis, sible by teachers equests from stud	etball, other sports while ensuring lents.	Can do warm-up and practice, play games, and reflect on the class, led by a leader.				

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

А	.kashi Co	ollege	Year	2024			urse itle	English II A-1
Course	Informa	tion						
Course Co	ode	6215			Course Categor	ry G	General	/ Compulsory
Class Forr	mat	Lecture			Credits	S	School C	redit: 1
Departme	ent	Mechani	cal Engineering		Student Grade	2	2nd	
Term		First Ser	mester		Classes per We	eek 2	2	
Textbook Teaching			ys English Comm Communication I		ok / New Rays E	English C	Commur	ication II Study Note / New Rays
Instructor	-	HERBER	T John C.					
1) To reviuse it app 2) To revistudy guid 3) To revischool lea 4) To read 5) To acq	propriately iew the gr delines. iew senter arning guic d sentence	cabulary le ammar lea nce structui delines. es, underst	rned at junior hig res learned in jun and text outlines.	h school, and learr ior high school and	to use gramma learn to use se	ar rules a ntence s	appropri structure	igh school learning guidelines, and ately, according to the high school as appropriately, following the high exts. and communicate to the listener.
Rubric					Γ			
			Ideal Level		Standard Level			Unacceptable Level
Achievem	ent 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	e high es and	The student has neither acquired new vocabulary following the high school learning guidelines nor used them appropriately.
Achievem	ent 2		luse grammar	as well learned to rules according to the udy guidelines.	The student ha grammar rules according to the study guideline	appropr	iately,	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 following the high g guidelines.	The student ha sentence struct appropriately, f school learning	tures		use sentence structures
Achievem	ent 4		The student of sentences, un outlines, and of information frowery well.	an read derstand text extract necessary om English texts	The student ca sentences, und outlines, and ed information fro	lerstand xtract ne	ecessary	The student can not read sentences, understand text outlines, or extract necessary information from English texts.
Achievem	ent 5		English pronul accent rules so can speak clea	nas well acquired nciation skills and that the student arly and to the listener.	The student had English pronunce accent rules so can speak clear communicate to	ciation s that the rly and	kills and studen	
Assigne	d Denar	tment Ol		to the listerier.	reorrinameate t	o the list	cerrer.	communicate to the iisterier.
	g Metho		JCCCIVCS					
Outline	g Metric	Based o	sentences and ac	auire readina skills	to help them a	cauire tl	he abilit	understand the basic structure of y to listen and express simple
Style		English :	sentences; and, t	o perform word tea are for the classes to d in the first week	sts and strength	en vocal	bulary k	nowledge.
Notice		Student	s who miss 1/4 o	ase student vocabous r more of the class	es will not be eli	igible for	evaluat	y. tion.
Charact	eristics	of Class /	Division in Le	earning	<u> </u>			
☑ Active	Learning		☐ Aided by I	СТ	☑ Applicable to	o Remot	e Class	☐ Instructor Professionally Experienced
Course	Plan							
Jour JC			Theme			Goals		
		1st	Course guidance	s method, learning	method, etc.)		and cou	rse content and assignments.
		2nd	Chapter 1 Part 1		,,	Based o school, languag	underst	ontent learned in junior high and the basic structure of English
1		3rd	Chapter 1 Part 3	/4		Based o	n the country	ontent learned in junior high and the basic structure of English
1st Semeste r	1st Quarter	4th	Review			Underst learned	anding so far.	the weak points on the content
		5th	Chapter 2 Part 1	Based on the content learned in junio school, understand the basic structure language.			ontent learned in junior high and the basic structure of English	
		6th	Chapter 2 Part 3		Based on the content learned in junior school, understand the basic structure			ontent learned in junior high and the basic structure of English
					language. Understanding the weak points on the cor			

		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			the vocabulary and gi itasks.	rammar rules set as			
		11th	Chapter 4 Pa	napter 4 Part 3/4			the vocabulary and gi tasks.	rammar rules set as			
	2nd	12th	Review				standing the weak points	ints on the content			
	Quarter	13th	Chapter 5 Pa	Chapter 5 Part 1/2			Learn the vocabulary and grammar rules set as lesson tasks.				
		14th	Chapter 5 Pa	Chapter 5 Part 3/4			the vocabulary and gi	rammar rules set as			
		15th	Review			Under	standing the weak points	ints on the content g for the exam.			
		16th	Final exam			Test t	he student understand ed so far.	ding of the content			
Evaluati	ion Meth	od and	Weight (%))							
		Final E	xam	Quizzes	Assignments		Behavior/Active Learning	Total			
Subtotal		40		40 10			10	100			
Basic Prof	ficiency	40		40 10			10	100			
Specialize Proficienc		0		0 0			0	0			
Cross Are Proficienc		0		0	0		0	0			

А	.kashi Co	ollege	Year	2024			ourse Fitle	English II A-2
Course	Informa	tion		1			IIIC	
Course Co		6216			Course Categor	ry	General /	Compulsory
Class Forr		Lecture			Credits		School Cr	·
Departme	ent	Mechani	cal Engineering		Student Grade			
Term		Second	Semester		Classes per We	eek	2	
Textbook Teaching				ation II / Crown S	tudy Note / Cro	wn WOF	RKBOOK	
Instructor		INOUE H	Hidetoshi					
1) To reviuse it app 2) To revistudy guid 3) To reviappropria 4) Can revi	ropriately ew the gradelines ew senter tely, follow ad senten	cabulary le ammar lead nces structuring the hig	rned at junior hig Ires learned in ju Igh school learning In English, under	h school, and learn nior high school, a g guidelines.	n to use grammand learn to use so	ar rules sentenc	appropria e structur	gh school learning guidelines, and tely, according to the high school es and operate them of the high school the high school es and operate them of the high school es and operate them
Rubric								
			Ideal Level		Standard Level			Unacceptable Level
Achievem	ent 1		new vocabula	as well acquired by following the arning guidelines propriately.	The student ha vocabulary follo school learning use it appropris	owing tl guideli	ne high	The student has not acquired new vocabulary following the high school learning guidelines and use it 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	approp	riately,	The student has not learned to use grammar rules appropriately, according to the high school study guidelines.
Achievem	ent 3		use sentence operate them following the I	The student has well learned to use sentence structures and operate them appropriately, following the high school learning guidelines. Stady guidents The student has sentence structures and them appropriately, them appropriately, guidelines.			nd operate llowing	The student has not learned to use sentence structures and operate them appropriately, following the high school learning guidelines.
Achievem	ent 4		The student can well read sentences written in English, understand the text outline, read and extract necessary information. The student can read s written in English, under the text outline, read a extract necessary information.			lerstand and	The student can not read sentences written in English, understand the text outline, read and extract necessary information.	
Achievem	ent 5		English pronul accent rules so can speak clea	nas well acquired nciation skills and that the student arly and to the listener.	The student had English pronun accent rules so can speak clear communicate t	ciation : that th rly and	skills and e student	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					
Teachin	g Metho	d						
Outline		lacquire	reading skills. To	school learned con acquire the ability abulary knowledge	to listen and ex	and the	basic str mple Eng	ucture of English sentences and ish sentences. To perform word
Style		Attend t	he classes, prepa	re for the classes s in the first week.	studying the rele	evant se	ections of	the workbook.
,				tudent vocabulary				tanu it iii uetali.
Notice		Students	s who miss 1/3 o	r more of classes v	vill not be eligibl	e for ev	aluation.	
Charact	eristics (of Class /	Division in Le	earning				
□ Active	Learning		☐ Aided by I	СТ	☑ Applicable to a positive to a positiv	o Remo	te Class	☐ Instructor Professionally Experienced
Course	Dlan							
Course	riall		Theme			Goals		
			Course guidance					
		1st	(Course progress	method, learning	method, etc.)			se content and assignments.
		2nd	Chapter 5 Part 1	/2		lesson	tasks.	ulary and grammar rules set as
	3rd Chapter 5 Part 2/3				lesson	tasks.	ulary and grammar rules set as	
2nd Semeste	ste 3rd 4th Chapter 5 Part 3/4				lesson	tasks.	ulary and grammar rules set as	
r	Quarter Sth End-of-chapter Questions				lesson	tasks.	ulary and grammar rules set as	
		6th	Chapter 6 Part 1	/2		lesson	tasks.	ulary and grammar rules set as
		7th	Chapter 6 Part 2	/3		Learn t lesson		ulary and grammar rules set as
		8th	Mid-term exam				e student d so far.	understanding of the content

			_							
		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.	bulary and grar	nmar rules set as		
	4th	12th	Chapter 7 Part 2,	/3		Learn the voca lesson tasks.	bulary and grar	nmar rules set as		
	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	End-of-chapter Questions		Learn the voca lesson tasks.	Learn the vocabulary and grammar rules set as lesson tasks.			
		15th	Chapter 7 Part 1,	Chapter 7 Part 1/2		Learn the vocabulary and grammar rules set as lesson tasks.				
		16th	Final exam			Test the stude learned so far.	nt understandin	g of the content		
Evaluat	ion Me	thod and	Weight (%)							
		Examination	Assignments	Quizes	Behavior	Portfolio	Other	Total		
Subtotal		50	30	20	0	0	0	100		
Basic Proficienc	СУ	50	30	30 20 0		0	0	100		
Specialize Proficience		0	0	0 0		0	0	0		
Cross Are		0	0	0 0 0		0	0	0		

А	1 Tide 1		English II B-1							
Course Information										
Course Co	ode	6217				Course Categor	ry Gen	eral /	Compulsory	
Class For	mat	Lecture				Credits	School Credit: 1			
Departme	ent	Mechanic	al Engineeri		Student Grade	2nd				
Term		First Sen	nester			Classes per We	eek 2			
Textbook Teaching		英単語熟詞	吾 DataBase	4500	(桐原書店)、(4) N	ext Stage 英文》	選演習英文法 法・語法問題	・語法 (4th e	問題800(いいずな書店)(3) 完成 edition (桐原書店)、(5) 総合英語	
Instructor	-	KITAGAV	Evergreen (参考書、教科書、Workbook、Essentials) KITAGAWA Chiho							
Course	Objectiv	es								
(2) Devel	on commi	ınication ski	lls in Fnalish	า hv n	n the first year, ar racticing oral com ocabulary correctly	munication usin	nowledge. g the grami	matica	al elements.	
Rubric										
			Ideal Leve	el		Standard Level			Unacceptable Level	
Achievem	Organize the elements of Organize the Organize					ed in the fir	st	Organize the elements of grammar learned in the first year, and retain their knowledge.		
Achievem	ent 2		Develop communication skills in English by practicing oral communication using the elements of grammar. Develop communication skills in English by practicing communication using the elements of grammar.					ills in	Develop communication skills in English by practicing oral communication using the elements of grammar.	
Achievem	ent 3			, and	glish syntax, vocabulary	Understand Engrammar, and correctly.		,	Understand English syntax, grammar, and vocabulary correctly.	
Assigne	d Depar	tment Ob	jectives							
Teachin	g Metho	 d								
Outline		The cour language	, and develo	oping	ng the elements o communication sk glish proficiency.	f English gramn kills. With keepir	nar necessa ng vocabula	ry for ry bui	the practical use of the lding also in mind, the class will	
Style		will comp	lete practic	e prot	olems to check the	eir understandin	g of gramm	ar, ar	at they have learned. Students and practice them orally.	
Notice		students' They mu	classroom st complete	attitud and s	phones during clas de grade being de submit all the assion more of classes w	ducted. Student gnments on time	s must pre- e.	study	ass, etc. will result in points from for and review each lesson.	
Charact	eristics of	of Class /	Division i	n Lea	arning					
☑ Active	Learning		□ Aided	by IC	Т	☐ Applicable t	o Remote C	lass	☐ Instructor Professionally Experienced	
Course	Plan									
		-	Theme				Goals			
			Course outli	ne					the classes will be taught and for the year.	
		2nd	Sentences, \	Verbs				the o	cultures of English-speaking	
		3rd	Vervs, Tens	es				ocabı	ulary and grammar rules set as	
	1.0+	4th	Auxiliary ver	rbs			Learn the v lesson task		ulary and grammar rules set as	
	1st Quarter	5th	Passive voic	e			Learn the v lesson task		ulary and grammar rules set as	
		6th	Infinitives				Learn the v lesson task		ulary and grammar rules set as	
1st Semeste					of English-	Understand countries o	the orrect	cultures of English-speaking ly.		
1		8th	Midterm exa	am			Reflect on the	he co	ntent learned so far, and can riately.	
		9th	Gerunds					ocabı	ulary and grammar rules set as	
10th Particles					Learn the v lesson task		ulary and grammar rules set as			
2nd Quarter 11th		11th	Comparison				Learn the v		ulary and grammar rules set as	
		12th	Relatives				Learn the v lesson task		ulary and grammar rules set as	
13th Subjective mood							Learn the v	ocabi	ulary and grammar rules set as	

		14th	Interrogatives			Learn the voc lesson tasks.	abulary and gra	ammar rules set as		
		15th	Q&A for the first	semester final ex	am	Resolve any questions content cover correctly.	Resolve any questions students may have on the content covered on the exam, and understand it correctly.			
		16th	Final exam			Reflect on the handle it appr	Reflect on the content learned so far, and can handle it appropriately.			
Evaluati	on M	ethod and	Weight (%)	ght (%)						
		Examination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total		
Subtotal		50	0	0	0	0	50	100		
Basic Proficiency	у	50	0	0	0	0	50	100		
Specialize Proficiency		0	0	0	0	0	0	0		
Cross Area		0	0	0	0	0	0	0		

А	Akashi College Year 2024		2024	24		English II B-2			
Course Information Course Code 6218 Course Ca						•			
Course Co	ode	6218			y General	/ Compulsory			
Class Forr	mat	Lecture			Credits	School C	redit: 1		
Departme	ent	_	al Engineering		Student Grade	2nd			
Term		Second S			Classes per We				
Textbook Teaching		(1) 総合 英単語熟詞 Evergree	英語EvergreenJur DataBase 4500 n (参考書、教科	np! Stage (いいず) (桐原書店)、(4) N 書、Workbook、Es:	が書店)(2) 精選 lext Stage 英文》 sentials)	演習英文法・語法 法・語法問題 4th	去問題800(いいずな書店)(3) 完成 edition (桐原書店)、(5) 総合英語		
Instructor		KITAGAW	A Chiho						
Course	Objective	es							
(1) Organ (2) Develo (3) Under	ize the ele op commu stand Engl	ments of gr nication skil ish syntax,	ammar learned i s in English by p grammar, and v	n the first year, ar racticing oral com ocabulary correctly	nd retain their kr munication usin /.	nowledge. g the grammati	cal elements.		
Rubric									
			Ideal Level		Standard Level		Unacceptable Level		
Achievem	Organize the elements of Organize					ed in the first	Organize the elements of grammar learned in the first year, and retain their knowledge.		
Achievem	ent 2		Develop comm English by prac communication elements of gra	n using the	unication skills i ticing oral using the ımmar.	Develop communication skills in English by practicing oral communication using the elements of grammar.			
Achievem	ent 3		Understand En grammar, and correctly.		Understand Engrammar, and correctly.		Understand English syntax, grammar, and vocabulary correctly.		
Assigne	d Depart	ment Ob	ectives						
Teachin	g Metho	 d							
Outline		language	and developing	ng the elements o communication sk glish proficiency.	of English gramm Kills. With keepir	nar necessary fo ig vocabulary b	or the practical use of the uilding also in mind, the class will		
Style		There wil	be vocabulary t	ests. The class wil			nat they have learned. Students and practice them orally.		
Notice		students' They mus	classroom attitu t complete and s	phones during clas de grade being de submit all the assi more of classes w	ducted. Student gnments on time	s must pre-stud e.	class, etc. will result in points from ly for and review each lesson.		
Charact	eristics o	•	Division in Le			- · · · · · · · · · · · · · · · · · · ·	,		
☑ Active		,	☐ Aided by IC	_	☐ Applicable to	o Remote Class	☐ Instructor Professionally Experienced		
Course	Plan								
			heme			Goals			
		1st C	rientation/Exero peaking countrie	ise on the cultures	s of English-	Understand the cultures of English-speaking countries correctly.			
				d Interrogative se	ntences		oulary and grammar rules set as		
		3rd N	legation, Direct/	Indirect Speech		Learn the voca lesson tasks.	oulary and grammar rules set as		
	3rd Quarter	4th	Iominal Structure	es/Inanimate Subj	ect	lesson tasks.	oulary and grammar rules set as		
	Quantity (5th I	nversion, Ellipsis	, Emphasis, Paren	thesis	lesson tasks.	oulary and grammar rules set as		
			ronouns			lesson tasks.	oulary and grammar rules set as		
2nd Semeste		/ui c	ountries	ultures of English-	speaking	countries corre	cultures of English-speaking ctly.		
Г		8th F	leview			Review			
9th		9th F	ronounsNouns,	Articles		lesson tasks.	oulary and grammar rules set as		
10th Adject			djectives			lesson tasks.	oulary and grammar rules set as		
	4th	11th <i>A</i>	dverbs			lesson tasks.	oulary and grammar rules set as		
	Quarter	12th F	repositions			lesson tasks.	oulary and grammar rules set as		
		13th (Conjunctions			lesson tasks.	oulary and grammar rules set as		
		14th [ialogues, Vocab	ruaries		Learn the vocabulary and grammar rules set as lesson tasks.			

		15th	Q&A for the seco	nd semester final	exam	Resolve any q content cover correctly.	uestions studen ed on the exam	ts may have on the , and understand it		
		16th	Final exam				Reflect on the content learned so far, and can handle it appropriately.			
Evaluation	Meth	od and \	Weight (%)							
	Exa	amination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total		
Subtotal	50		0	0	0	0	50	100		
Basic Proficiency	50		0	0	0	0	50	100		
Specialized Proficiency	0		0	0	0	0	0	0		
Cross Area Proficiency	0		0	0	0	0	0	0		

А	kashi Co	ollege	Year	2024			ourse Title	Co+workIA	
Course	Informa	tion		I			TICIC		
Course Co		6219			Course Catego	ry	General /	Compulsory	
Class Forr		Seminar			Credits	,	School Cr	<u> </u>	
Departme		Mechani	cal Engineering		Student Grade		2nd		
Term		First Ser			Classes per We				
Textbook		No requi		the required mate			1	contents of the activity of each	
Teaching		team.							
Instructor		All facult	.У						
1) Self-re 2) Co-ope 3) Creativ	eration ski	acquire ind	the ability to wo	lf-management ab rk in teams and re: er and organize inf	spect the teamm	nates. ver and	d propose s	solutions to problems.	
Rubric			T-1111		C+ 11	i		I I I I I I I I I I I I I I I I I I I	
			Ideal Level		Standard Level			Unacceptable Level	
1 Self-reli	iance		Schedule man reporting, con planning goals teammates	itact, consultation,	Individually abl management, contact, consul goals.	reporti	ng,	Not able to schedule management, reporting, contact, consultation, and planning goals	
2 Co-oper	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		and summarize information, for	ation, organize	The student ca gather informa and summarize information, ar ideas to others	ition, o e this nd expl	rganize	The student can't voluntarily gather information, can't organize and summarize this information, and can't explain those ideas to others.	
Assiane	d Depar	tment Ob							
	g Metho								
Outline		student departm charge a someone will revis	can contribute to ents, different ac and challenge the e other than the se their plan after	o a team in a variet ge, and people fron mselves in creating team members. Ea r its presentation a	by of environmer outside the scl g something or pack team has to t a briefing sess	nts (wo hool). I perforn elabora ion and	rking with Each group n activities ate a plan I retrospec		
Style		group w breaks a and disc toward a of self-re teacher individua performa	ith multiple stude nd other activitie over a problem t a solution to the pel eliance, co-opera in charge of the t al goals. The cou	ents. After each stues that will help to owork 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 to fee course rubric co self-evaluation	s thems ps with les am this p se star distribu n, mutu	selves to the grous ong the medical the medical the self of the se	domly selected to compose a ne team, they will perform ice up. Later the team will discuss embers and work together e students will achieve the goals are that you can contact the seach student has to establishion, and to evaluate the ent has to fill a retrospective sheet	
Notice		evaluation the end	on by the teacher of the term (2).	e course is compo r in charge of the t r more of classes v	eam (1), and m	ultiple	faculty me	dents, mutual evaluation, mbers at the briefing session at	
Charact	eristics		Division in Le		Het be eligibl				
☑ Active		C1 C1033 /	☑ Aided by I	•	☑ Applicable t	o Rem	ote Class	☐ Instructor Professionally Experienced	
Co:::::= =	Dla:-								
Course	Plan		Thomas			Capla			
			Theme	• 1		Goals			
		1st	members of each confirmation of cadvice regarding evaluation methor	uidance, presentat h team, team builc course schedule, re i the activities, exp od. Later team me acher in charge me n building.	ling guidance, estrictions and lanation of the mbers and the		quire Self-r ve Skills.	reliance, Co-operation and	
1st Semeste r	1st Quarter		Each student set goals. The team the activities. La goal, the group wethod, division	the activity target will discuss ideas a ter according to th will work on the im of roles among th hich will be summa	and a theme to e team activity plementation e members		quire Self-r ve Skills.	reliance, Co-operation and	
		action plan. Each student set the activity targets, and self-goals. The team will discuss ideas and a theme to the activities. Later according to the team activity goal, the group will work on the implementation method, division of roles among the members and schedule, which will be summarized in an action plan. To acquire Self-reliance, Co-operation at Creative Skills.				reliance, Co-operation and			

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

А		ollege	Year	2024			ourse Title	Co+work I B	
	Informa						riue		
Course Co		6220			Course Catego	rv	General /	Compulsory	
Class For		Seminar			Credits	. ,	School Cr	<u> </u>	
Departme			cal Engineering		Student Grade		2nd	00.00	
Term		_	Semester		Classes per We				
Textbook Teaching		No requi		the required mate	· · · · · · · · · · · · · · · · · · ·	according to the contents of the activity of each			
Instructor		team. 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.	reportii	ng,	Not able to schedule management, reporting, contact, consultation, and planning goals	
2 Co-opei	ration skill	S	to express the	ent opinions, able student personal ability to lead the onsensus.	Open to differe to express the opinion, and at attributed role	studen pility 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		and summarize information, for	ation, organize	The student ca gather informa and summarize information, ar ideas to others	tion, or this nd expl	rganize	The student can't voluntarily gather information, can't organize and summarize this information, and can't explain those ideas to others.	
Assigne	d Depar	tment Ob							
	g Metho		•						
Outline		student of departm charge a someone will revis	his course aims to develop the students' self-reliance, co-operation and creative skills in a manner tha sudent can contribute to a team in a variety of environments (working with students from other epartments, different age, and people from outside the school). Each group is to work with the instruct harge and challenge themselves in creating something or perform activities that will bring happiness to to meone other than the team members. Each team has to elaborate a plan and do its activities. The stall revise their plan after its presentation at a briefing session and retrospective evaluation.					students from other o is to work with the instructor in that will bring happiness to and do its activities. The students	
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 t a solution to the eliance, co-opera in charge of the al goals. The cou	ents. After each stues that will help to owork 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 pe se star distribu	selves to the in the groue ong the median the toblem the toblem the standard in classial evaluation	ioning selected to compose a ne team, they will perform ice up. Later the team will discuss embers and work together estudents will achieve the goals are that you can contact the seach student has to establish on, 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 compo r in charge of the t r more of classes v	eam (1), and m	ultiple	faculty me	dents, mutual evaluation, mbers at the briefing session at	
Charact	eristics	<u> </u>	Division in Le		Her be eligible	2 101 6			
☑ Active		01 01000 /	☑ Aided by I	•	☑ Applicable t	o Remo	ote Class	☐ Instructor Professionally Experienced	
C-	DI-								
Course	rian 		Thoma			Goala			
		1	Theme	uidance present-t	ion of the	Goals			
		1st	members of each confirmation of cadvice regarding evaluation meth-	uidance, presentat h team, team builc course schedule, re i the activities, exp od. Later team me acher in charge me n building.	ling guidance, estrictions and lanation of the mbers and the		quire Self-r ve Skills.	reliance, Co-operation and	
2nd Semeste r	3rd Quarter	2nd	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	goals. The team the activities. La goal, the group method, division	ter according to th	targets, and self- deas and a theme to to the team activity the implementation and the members To acquire Self-reliance, Co-operation Creative Skills.			reliance, Co-operation and	

Cross Area Proficiency	28 24 24 12 20					20	0	100	
Specialize Proficiency					0	0	0	0	
Basic Proficiency			0 0			0	0	0	
Subtotal		24 24 12 20				20	0	100	
	Se	dividual lf-reliance rocess)	Individual Co-operation (process)	Individual Creativity (process)	Team Co- operation (process)	Team Creativity (process)	Other	Total	
Evaluati			Veight (%)	I	T_		T		
		16th	No end-term Exam	1					
		15th	Retrospective mee The group will disc briefing session an The students will e mutually their achi regarding self-relia creativity.	cuss the results for d review the tea evaluate individual eved points and	rom the m action plan. ally and goals,	To acquire Self-re Creative Skills.	eliance, Co-opera	ation and	
		14th	Retrospective mee The group will disc briefing session an The students will e mutually their achi regarding self-relia creativity.	cuss the results for d review the tea evaluate individual eved points and	rom the m action plan. ally and goals,	To acquire Self-re Creative Skills.	eliance, Co-opera	ation and	
			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-reliance, Co-operation and Creative Skills.			
		11th	Team activities: W plan. The action pl according to sched of the implementathe briefing session	an may be modit lule delay, the ind tion method, etc	fied/changed, completeness	To acquire Self-reliance, Co-operation and Creative Skills.			
		10th	Team activities: W plan. The action pl according to sched of the implemental the briefing session	an may be modit lule delay, the ind tion method, etc	fied/changed, completeness	To acquire Self-re Creative Skills.	eliance, Co-opera	ation and	
		9th	Team activities: W plan. The action pl according to sched of the implementathe briefing session	an may be moditule delay, the indition method, etc	fied/changed, completeness	To acquire Self-re Creative Skills.	eliance, Co-opera	ation and	
		8th	No mid-term Exam	1					
		7th	Team activities: W plan.	ork according to	the action	To acquire Self-re Creative Skills.	eliance, Co-opera	ation and	
		6th	Team activities: W plan. The action pl according to sched of the implemental	an may be moditule delay, the in-	fied/changed, completeness	To acquire Self-re Creative Skills.	eliance, Co-opera	ation and	
		5th	Setting targets and action plan. Accord the team, the group with them. The group with decide the method role sharing, schedule.	ling to the theme ip will draw ideas vill establish the to achieve it, de	e and goals of s and discuss activity goal, ecide members'	To acquire Self-re Creative Skills.	eliance, Co-opera	ation and	
		4th	Each student set the goals. The team we the activities. Later goal, the group will method, division or and schedule, which action plan.	ill discuss ideas a r according to the Il work on the im f roles among the	and a theme to e team activity plementation e members	To acquire Self-re Creative Skills.	eliance, Co-opera	ation and	

Δ	kashi C	ollege	Year	<u> </u>	2024		Course Title	I	CT Qualification I	
Course	Informa	tion								
Course Co	ode	6221				Course Category	/ Genera	al /	Elective	
Class For	mat	その他				Credits	Schoo	l Cre	edit: 1	
Departme	ent	Mechani	ical Engineerin	ng		Student Grade	2nd			
Term		Year-rou	und			Classes per Wee	eek 1			
Textbook Teaching	and/or Materials	Nothing					•			
Instructo	r	TAKEUC	HI Masahiro							
Course	Objectiv	'es								
The goal following IT Passpo	qualifying	certificatior examinatio	n exams of ext ons is eligible f	terna for cr	al organizations re redit.Evaluation v	elated to informat vill be on a pass/fa	ion processir ail basis and	ng.S will	uccessful completion of the not be based on scores.	
Rubric				Idea	al Level		Unacc	enta	ible Level	
Achievem	nent 1				s the IT Passport	exam.			he IT Passport exam.	
		tment Ol		₁ . uss	11 1 assport	CAMITI	I NOT PO	ا دد.	11 1 dosport chairi.	
			ojectives							
reachin	ig Metho									
Outline		credits a	according to th	ne re	sults of qualificat	ion examinations	sponsored b	y ex	ositioned as a course that grants ternal organizations.	
Style		following https://	g WEB sites fo www3.jitec.ipa	r fur a.go.	ther study. .jp/JitesCbt/index	c.html			s are given.Pay attention to the	
Notice		designat	cate or other p ted date after ill not be gran	the \	of acceptance is winter break.If th	required to receive student is unab	ve credit.App le to submit	prod	tions must be submitted by the of within this time frame, the	
Charact	eristics	of Class /	Division in	<u>Lea</u>	arning					
☐ Active	Learning	•	☐ Aided b	y IC	Т	☐ Applicable to	Remote Cla	SS	☐ Instructor Professionally Experienced	
Course	Plan									
			Theme			(Goals			
		1st	Independent	stud	У	(Goals of each	1		
		2nd	Same as abov	ve	•	S	Same as abo	ve		
		3rd	Same as abov	ve		S	Same as abo	ve		
	1st	4th	Same as abov	ve		S	Same as abo	ve		
	Quarter	5th	Same as abov	ve		Ç	Same as abo	ve		
		6th	Same as abov				Same as abo			
		7th	Same as abov	ve		Ç	Same as abo	ve		
1st		8th	Same as abov			Ç	Same as abo	ve		
Semeste r		9th	Same as abov			S	Same as abo	ve		
•		10th	Same as abov	ve		S	Same as abo	ve		
		11th	Same as abov	ve		S	Same as abo	ve		
	2nd	12th	Same as abov	ve		S	Same as abo	ve		
	Quarter	13th	Same as abov	ve		S	Same as abo	ve		
		14th	Same as abov	ve		S	Same as abo	ve		
		15th	Same as abov	ve		S	Same as abo	ve		
		16th	Same as abov	ve		S	Same as abo	ve		
		1st	Same as abov	ve		Ç	Same as abo	ve		
		2nd	Same as abov	ve		S	Same as abo	ve		
		3rd	Same as abov	ve		S	Same as abo	ve		
	3rd	4th	Same as abov	ve		S	Same as abo	ve		
	Quarter	5th	Same as abov	ve		S	Same as abo	ve		
	Quarter	6th	Same as abov	ve		S	Same as abo	ve		
		7th	Same as abov	ve		S	Same as abo	ve		
2nd		8th	Same as abov				Same as abo			
Semeste r	emeste	9th	Same as abov	ve			Same as abo	ve		
		10th	Same as abov	ve			Same as abo	ve		
		11th	Same as abov				Same as abo			
	4th	12th								
	Quarter	13th	Same as above				Same as above			
		1 1 3 (1)	Same as above			19	Same as above			
	Quarter		Same as above				Same as abo Same as abo			
	Quarter	14th 15th		ve		Ş		ve		

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

A	Akashi Co	ollege	Year		2024			ourse Title	Mathematics Certification I		
Course	Informa	tion			•		•		•		
Course C		6222				Course Categor	у	General	/ Elective		
Class For	mat	その他				Credits		School C	Credit: 1		
Departme	ent	Mechanic	al Engineering	<u>g</u>		Student Grade		2nd			
Term		Year-roui	nd			Classes per We	eek 1				
Textbook Teaching	and/or Materials	None									
Instructo		OMODA \	/asuhiro								
he goal is If you pas Practical	ss any of t Mathemati	qualifying e he following ics Proficiend	xamination by qualifications by Test: Level case of passing	, yo	ı external organiza ou will be eligible f	ation with conter for credit recogni	nt relat ition.	ed to ma	ithematics.		
Rubric											
			Ideal Level			Standard Level			Unacceptable Level		
Achievem	nent 1		Practical Ma Proficiency		matics t: Pass Level 2.	Practical Mathe Proficiency Test			Practical Mathematics Proficency Test: Fail to pass		
Acciana	nd Donar	tmont Oh	ioctivos						Level 2.		
	•	tment Ob	jectives								
<u>ı eachır</u>	ng Metho		Jr - C J .	•	L - 6:-1-1 6 · · ·						
Outline		the result	ts of qualificat ed external au	ion Ialif	examinations spo cation exams and	nsored by extern complete the pr	nal org rescrib	anization ed proced	ect that gives credits according to is. If you pass one of the dures by the deadline designated e awarded one credit.		
Style			•		ualification exam,						
Notice		examinat proof is n Absence	ions taken in ot submitted conditions (pe	the wit erce	first and second your this period. Stantage) that are no	years are require rictly observe the	ed for d e dead	redit trar line.	certificates of passing the nsfer. Credits will not be granted if ndition		
Charact	teristics	of Class /	Division in	Le	arning						
□ Active	Learning		☐ Aided by	y IC	Т	☐ Applicable to	o Rem	ote Class	☐ Instructor Professionally Experienced		
Course	Plan										
		-	Гһете				Goals				
		1st S	Self-directed le	earı	ning		Volunt lecture	ary study	y for qualification exams (no		
		2nd s	same as above	<u>—</u>				as above			
		3rd s	same as above	е			same	as above			
	1st Quarter	4th	same as above	e			same	as above			
	Quarter	5th s	same as above	e			same	as above			
		6th	same as above	e			same	as above			
1st			same as above	<u>e</u>			same	as above			
Semeste		 	same as above	<u>e</u>			same	as above			
r			same as above	e			same	as above			
			same as above				same as above				
			same as above					as above			
	2nd		same as above					as above			
	Quarter		same as above					as above			
			same as above					as above			
			same as above				same	as above			
			No final exam Self-directed le		ning				y for qualification exams (no		
							lecture				
			same as above same as above			1		<u>as above</u> as above			
	3rd		same as above					as above			
	Quarter		same as above					as above			
2nd			same as above					as above			
Semeste			same as above					as above			
r			same as above					as above			
			same as above								
ı	9th 10th						same as above				
		I TOUI 'S	same as above				same as above				
	4th										
	4th Quarter	11th	same as above same as above	е			same				

	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	y 0		100		100	
Specialized Profici	ency	0 0			0	
Cross Area Profici	ency	0	0		0	

Д	Akashi Co	ollege	Year	2024		Course Title	Japanese II-1		
Course	Informa	tion	1	1		,			
Course Co		6223			Course Categor	y General	/ Compulsory		
Class For		Lecture			Credits		Credit: 2		
Departme	ent	Mechanic	al Engineering		Student Grade	2nd			
Term		First Sem	nester		Classes per We	/eek 前期:4			
Textbook Teaching		The Japa	n Times	Japanese Across th	ne Four Language	e Skills II, The	Japan Times by Tadashi Sakamoto,		
Instructo	r	KUBOTA	Ikumi						
1. Can us wide rand 2. Can red 3. Have a native lar	ge of topics ad a signif a clear und	e to explain s. icant amour erstanding o	nt of texts on a work of the strengths	vide range of topic	s and compreher f their own Japar	nd its informati nese ability and	d skills and can explain them in their		
Rubric			T		T				
			Ideal Level		Standard Level		Unacceptable Level		
Achievem	nent 1		words learned and speak clea	l texts without	Can appropriate words learned s and speak clear sentences and tor assistance.	so far, and writ and logical	words learned so lar, and		
Achievem	nent 2	Can choose how to read based on the purpose fo reading it, and generally understand its content.			Can read a text and assistance understand its	and generally	Cannot read a text in various ways, and can barely understand its content.		
Achievem	nent 3			their challenges, ons, and put them	Can figure out t and think of sol	their challenge utions.	Even if they can figure out their challenges, they cannot think of a solution.		
<u>Assigne</u>	d Depar	tment Ob	jectives						
Teachin	g Metho	od							
Outline		addition to develop s	to reading a sign skills to convey v	ificant amount of the what they want to	texts to gain dee convey through p	per understand production acti			
Style		strategie	ng in Japanese o s for communica nd situations.	n a variety of topic ting in Japanese. I	s, students will e It's also importar	enhance their J at to be able to	apanese ability and skills, and learr use different words for different		
Notice		lesson, st	tudents will be e g their Japanese	to not only acquir xpected to reflect ability and skills. r more of classes v	on what they cou	ıld and could n	to use them properly. For every ot do, and to be proactive in		
Charact	eristics (Division in Le		···· ··· ·· · · · · · · · · · · · · ·	<u> </u>			
☑ Active		<u> </u>	☐ Aided by I		☑ Applicable to	Remote Class	☐ Instructor Professionally Experienced		
Course	Plan								
		-	Theme			Goals			
		1st (Orientation			Understand th	e class objectives and content.		
		2nd '	"QUARTET1" Ch.	6			e author's claim and the reason. nd the expressions when nions.		
		3rd '	"QUARTET1" Ch.	6		Can write a let problems.	ter to the editor about familiar		
	1st	4th '	"QUARTET1" Ch.	6		Can make com apologize so th other person.	nplaints, make excuses and nat you don't get in trouble with the		
	Quarter	5th '	"QUARTET1" Ch.	7		understand the	r people's experiences to e contents and write what you have from your own experiences.		
1st Semeste		6th '	"QUARTET1" Ch.	7		Can convey th other party in	ings that are difficult to say to the indirect words.		
r		7th '	"QUARTET1" Ch.	7		multicultural s	-		
		8th I	Reflection			Can look back	on what you can do in Japanese your goals from the next week.		
		9th '	"QUARTET1" Ch.	8			e contents of the interview article.		
					+		your friends and put them together		
			"QUARTET1" Ch.	ď		in an article.			
	2nd Quarter		"QUARTET1" Ch.			make an inqui	e details of the thing in order to ry about the thing left behind. her person about the recommended		
		12th '	"QUARTET1" Ch.	8		items.	·		
		13th '	"QUARTET1" Ch.	9		Understand th a long story.	e feelings of the person by reading		

		14th	"QUARTET1" Ch. 9		Understand the paragra sentence, and can read	ph structure of the the story.
		15th	"QUARTET1" Ch. 9		Can write a review of yo	our recommended story.
		16th	Final exam			
Evaluati	on Meth	od and	d Weight (%)			
		E	Examination	Assignments	Portfolio	Total
Subtotal		5	50	40	10	100
Basic Prof	iciency	5	50	20	0	70
Specialize	d Proficien	су ()	0	0	0
Cross Are	a Proficien	су ()	20	10	30

А	kashi Co	ollege	Year	2024		Course Title	Japanese II -2		
Course	Informa	tion				•			
Course Co	ode	6224			Course Categor	y General	/ Compulsory		
Class For	mat	Lecture			Credits	School C	Credit: 1		
Departme	ent	Mechani	cal Engineering		Student Grade	2nd			
Term			Semester		Classes per Wee	·			
Textbook Teaching Instructor	Matérials		an Times	Japanese Across th	e Four Language	Skills II, The	Japan Times by Tadashi Sakamoto,		
	Objectiv		TRUIII						
1. Can us wide rang 2. Can red 3. Have a native lan	e Japanes ge of topic ad a signif clear und	e to explair s. icant amou lerstanding	nt of texts on a w	vide range of topics	and compreher their own Japan	nd its information	skills and can explain them in their		
Rubric					Т				
			Ideal Level		Standard Level		Unacceptable Level		
Achievem	ent 1		and speak clea	so far, and write ar and logical I texts without	Can appropriate words learned s and speak clear sentences and t or assistance.	o far, and write and logical	cannot write or speak clear and		
Achievem	ent 2		Can choose ho based on the preading it, and understand its	d generally	Can read a text and assistance a understand its o	and generally	Cannot read a text in various ways, and can barely understand its content.		
Achievem	ent 3		Can figure out think of solution into action.	their challenges, ons, and put them	Can figure out t and think of sol	heir challenges utions.	Even if they can figure out their challenges, they cannot think of a solution.		
Assigne	d Depar	tment Ob	ojectives						
	g Metho								
Outline		Students	to reading a sign	intermediate Japa ificant amount of t what they want to d	exts to gain deer	oer understand	anese throughout the year. In ing of their content, they will also vities.		
Style		strategie	ng in Japanese or es for communica and situations.	n a variety of topic ting in Japanese. I	s, students will e t's also importan	nhance their Ja t to be able to	apanese ability and skills, and learn use different words for different		
Notice		lesson, s improvir	students will be e ng their Japanese	xpected to reflect o	on what they cou	ıld and could n	to use them properly. For every ot do, and to be proactive in .		
Charact	eristics	of Class /	Division in Le	earning					
☑ Active		,	☐ Aided by I		☑ Applicable to	Remote Class	☐ Instructor Professionally Experienced		
Course	Plan								
			Theme			Goals			
		1st	"QUARTET1" Ch.	9		Can offer to the from the other	e other party or decline the offer party.		
		2nd	"QUARTET1" Ch.	10		and analysis de			
		3rd	"QUARTET1" Ch.	10		data and show Can make sent	ve expressions when explaining ing survey results. ences using those expressions.		
	3rd	4th	"QUARTET1" Ch.	10		Can write the p methods consid results.	problems and improvement dered from the given survey		
2 1	Quarter	5th	"QUARTET1" Ch.	10	,	Can propose al week by using	pout what you learned in the 4th data,		
2nd Semeste r		6th	"QUARTET1" Ch.	11		editorial text.	e author's thoughts by reading the		
		7th	"QUARTET1" Ch.	11		texts.	e expressions often used in editorial		
		8th	"QUARTET1" Ch.	11		polysemous wo	ur understanding of synonyms, ords, and homonyms, and give ords that you should be aware of.		
		9th	"QUARTET1" Ch.	11			ent language changes and look wn and others' language usage.		
	4th Quarter	10th	Reflection			and reconfirm	on what you can do in Japanese your goals from the next week.		
		11th	"QUARTET1" Ch.	12	,	Understand wh what I claim by sentences.	at the writer wants to convey and reading various types of		

		12th	"QUARTET1" Ch. :	12		Understand the reading characteristics of the te	strategy according to the xt.
		13th	"QUARTET1" Ch. :	12		Understand effective ex logical sentences.	pressions for writing
		14th	"QUARTET1" Ch. :	12		Can consider the abilitie future, and briefly state	them.
		15th	"QUARTET1" Ch. :	12		Can give your opinion a of the 14th week.	and reason for the content
		16th	Final exam				
Evaluati	on Meth	od ar	nd Weight (%)				
			Examination	Assignments	Р	ortfolio	Total
Subtotal			50	40	1	0	100
Basic Prof	iciency		50	20	0		70
Specialize	d Proficier	су	0	0	0		0
Cross Area	a Proficien	су	0	20	1	0	30

А	kashi Co	ollege	Year	2024		Course Title	Japanese Practice I
Course	Informa	tion		1		1 Hue	
Course Co		6225			Course Categor	v Genera	I / Compulsory
Class Forr		Lecture			Credits	<i>'</i>	Credit: 1
Departme			ical Engineering		Student Grade	2nd	J. G. C.
Term	-		Semester		Classes per We	ek 2	
Textbook Teaching		Tomom	atsu, 3A Corporat	d distribute the ha ion / The Way to E Communication by	Become an Adva	nced Speaker (hort Essays in 12 Steps by Etsuko of Japanese Techniques and
Instructor	r	KUBOTA	\ Ikumi				
Course	Objectiv	es					
between t 2. Can ex	the two cu press and	ıltures and speak abo	can speculate about a range of topic	out them.	anguage behavid		lize the differences and similarities dother countries, in a detailed and
Rubric							
			Ideal Level		Standard Level		Unacceptable Level
Achievem	ent 1		Have more kninformation ab culture than fr presented in c	out Japanese om what was	Have sufficient information abo culture from wh presented in cla	out Japanese nat was	Have basic knowledge and information about Japanese culture from what was presented in class.
Achievem	ent 2		differences and	culated about the disimilarities own culture and based on their	Can explain wh noticed or spec differences and between their cother culture.	ulated about similarities	Cannot point out the differences or similarities between their own culture and other culture.
Achievem	ient 3		their observati	nd speak about ons and thoughts ect in a detailed cture.	Can express an their observation about the subjection of clear struct assistance.	ons and though ect in a detailed	the subject in a detailed and
Assiane	d Depar	tment O	bjectives				·
	g Metho		- .				
Outline		The aim behavio	of this course is t r and culture betv	for students to dev veen Japan and th	velop a deeper u eir own countrie:	nderstanding on the students. The students	eal-life communication situations. of the differences in language s will also make speeches and elated to the subject of each lesson.
Style		Ifill it out	on a handout. Fo	or "speaking" prod	uctive activities.	students will t	noticed in class during class time or ry to improve their scripts and present the completed ones.
Notice		able to the writ noticed	think about them ten Japanese expl or thought throud	more clearly. In a	ddition, students en Japanese expr the Japanese lan	should make tressions so that quage they lea	own cultures and allow them to be this class an opportunity to enhance t they can express what they irned.
Charact	eristics	of Class	Division in Le	earning			
☑ Active			☐ Aided by IO		☑ Applicable to	Remote Class	☐ Instructor Professionally Experienced
Course	Plan	1	I				
			Theme			Goals	
		1st	Orientation				e class objectives and content.
		2nd	Recent Events				ut recent events.
		3rd	Recent Events				ut recent events.
		4th	Recent Events			other person's	recent events while getting the attention. I to the other person's story and
2nd	3rd Quarter	5th	Think about socia	al circumstances		your thoughts	•
Semeste		6th	Think about socia	al circumstances		can write a sh outline, analys	ort report by dividing the data into sis, consideration, and summary.
r		7th	Think about socia	al circumstances	The state of the s		ort report by dividing the data into sis, consideration, and summary.
		8th	Difference betwe culture	en own culture an	d Japanese	Understand th Japanese and certain word.	e general communication style of think about the meaning of a
	4th	9th	Difference betwe culture	en own culture an	u Japanese	mother tongue	ut the difference between your e and Japanese, explain the of each, and compare them.
	Quarter	10th	Difference betwe culture	en own culture an	d Japanese	Can write an e summarized ir	essay about the contents in the 9th week.

		11th	Relationship with	society		Can present issue	es on a topic and show basis of
		12th	Relationship with	society	(Can summarize a	and present your thoughts after pinion of others.
		13th	Relationship with	society	(Can participate ir	n the debate in Japanese.
		14th	Relationship with	society	i	Can write a short introduction, a m	t essay by dividing it into an lain theory, and a conclusion.
		15th	Relationship with	society	i	Can write a short introduction, a m	t essay by dividing it into an lain theory, and a conclusion.
		16th	Reflection				things you found out in class, ged their minds, and how your s and skills have developed.
Evaluati	on Meth	od ar	nd Weight (%)				
			Presentation • Production work	Submission of assignments	Ве	ehavior	Total
Subtotal			70	20	10)	100
Basic Prof	iciency	·	35	20	0		55
Specialize	d Proficier	псу	0	0	0		0
Cross Area	a Proficier	су	35	0	10)	45

А	kashi Co	ollege		Year	2024			Course Title	Programming Fundamentals
Course 1	Informa	tion							
Course Co	ode	6226				Course Catego	ry	Specializ	zed / Compulsory
Class Forn	mat	Lecture				Credits		School C	Credit: 1
Departme	nt	Mechan	ical Er	ngineering		Student Grade		2nd	
Term		Second	Seme	ster		Classes per We	eek	2	
Textbook Teaching	and/or Materials								
Instructor	•	TANAKA	\ Seiic	hi					
(1) Can proceed (2) Can the Rubric	rogram in	C languag	e. eal wit	h engineerin	g problems throug	gh programming	ı techn	ology.	
Kubi ic			Ide	eal Level		Standard Level			Unacceptable Level
					program in C				•
Achievem	ent 1			nguage.	program in C	Can program ir	n C lan	guage.	Cannot program in C language.
Achievem	ent 2		to	in think spec deal with the ogramming t	ifically about how e problem by echnology.	Can think of ho the problem th programming t	rough		Cannot think about how to deal with the problem through programming technology .
Assigne	d Depar	tment Ol	<u>bje</u> ct	ives					
Teachin									
Outline		In order							and numerical calculations,
Judine		students	s will a	acquire basio	programming kno	owledge and ted	chnique	es throug	h programming by C language.
Style		Based o the over and exe	n the rview. ercise i	text that wil There will b in the lab.	be distributed at e slide-based lectu	the beginning o ures in the Infor	of the commation	lass, stud n Media C	lents will learn what were shown in enter, and a computer-based work
Notice		It's imposes of the Student (2) Student	ortant he sch s may dents s	to actively unool network their of thei	itilize the Informa	tion Media Cent enter in Studen exercises. inders for orgar	er in a t Life), nizing l	ccordance and to be ecture ma	tions of Information Processing. with the methods and rules of ecome familiar with programming. aterials. grade.
Characte	eristics	of Class /	/ Divi	ision in Le	arning				
		o. o.ass /							☐ Instructor Professionally
☑ Active	Learning		M	Aided by IC	1	☑ Applicable t	o Rem	ote Class	Experienced
Course I	Plan								
			Then	ne			Goals		
		1st	Class Progr	guidance ramming bas	ics		class. Under		d can explain the purpose of this d can explain the basic matters of
		2nd		tion and runi eric data 1	ning of programs,	Processing of	creati Under enter	ng and ru stand the and displ	d can operate the procedures for inning a program using a lab PC. e types of numeric data, how to ay them, and how to process id can create a program.
		3rd	Proce	essing of nun	neric data 2		Can c	reate a pr	rogram to perform the actions e exercise based on the learning previous week.
	3rd Quarter	4th	Nume	eric function	s, processing of ch	naracter data 1	functi	ons, the t cter codes	d can explain the use of numeric types of character data and s necessary for scientific and alculations.
2nd Semeste r		5th	Nume	eric functions	s, processing of ch	naracter data 2	prese	nted in th	rogram to perform the actions e exercise based on the learning previous week.
'		6th		rol structure ching 1	and structured pr	ogramming	struct Under	ured prog stand and	d can explain the basics of gramming. d can explain how to handle the if and switch statements.
		7th	Brand	ching 2			Can c	reate a pr nted in th	rogram to perform the actions e exercise based on the learning previous week.
	<u> </u>	8th	Midte	erm exam					
		9th	Loop	1					d can explain how to iterate and while statements.
	4th Quarter	10th	Loop	2			prese	nted in th	rogram to perform the actions e exercise based on the learning previous week.
	•	11th	Use o	of array 1			Under	stand and nts of dat	d can explain how to process large a using one- and two-dimensional

		12th	Use of array 2			Can create a property presented in the content of the presented in the pre	gram to perform exercise based o evious week.	the actions n the learning
		13th	Use of string, Eng	ineering use of p	rogramming 1	Understand and Understand and discrete data req calculations and engineering tech	can explain how uired for scientifi machine control,	to handle c and technical and use the
		14th	Use of string, eng	ineering use of p	rogramming 2	Can create a propresented in the content of the pr	gram to perform exercise based o evious week.	the actions n the learning
		15th	Comprehensive ex	kercise		Can use previous objective and cre read and review	sly learned conter eate a program b programs create	nt to set up an y oneself. Can d by others.
		16th	Final exam					
Evaluation	n Meth	nod and \	Weight (%)					
	Ex	amination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total
Subtotal	0		0	0	0	0	0	0
Basic Proficiency	0		0	0	0	0	0	0
Specialized Proficiency	0		0	0	0	0	0	0
Cross Area Proficiency	0		0	0	0	0	0	0

A	kashi Co	ollege	Year	2024			Course Title Design and Drawing		
Course 1	Informa	tion							
Course Co	ode	6227			Course Catego	ry Spe	ecialized	d / Compulsory	
Class Forn	mat	Practical tr	aining		Credits	Sch	nool Cre	edit: 1	
Departme	nt	Mechanica	Engineering		Student Grade	2nd	d		
Term		First Seme	ster		Classes per Wo	eek 2			
Textbook Teaching I									
Instructor	•	MATSUZU	(A Naoki						
Course (Objectiv	es							
(1) Unders (2) Can sk	stand the ketch a vis	standards of se and create	mechanical drav its production d	ving and create p rawing.	roduction draw	ings of med	chanical	parts.	
Rubric									
			Ideal Level		Standard Leve			Unacceptable Level	
Achieveme	ent 1		Understand the mechanical dra accurately crea drawings of me	wing and can te production	Understand th mechanical dra create product mechanical pa	awing and distance in the dist	can	Do not understand the standards of drawing and cannot create production drawings of mechanical parts.	
Achieveme	ent 2		Can sketch a vi accurately crea drawings.	se and te its production	Can sketch a v		eate its	Cannot sketch a vise and create its production drawing.	
Assiane	d Denar	tment Obje			•			•	
	g Metho								
Outline	g Metrio	We will lea	ased on sketche	es and dimension	al measuremen	ts of a vise	, etc. Tł	n, we will create production ne aim is to learn the structure of	
Ctl -					ng method that	is in accord	dance w	ith JIS through these processes.	
Style			l be taught in a			d d	Al		
Notice		acceptable	in real-world us	raction between a se. more of classes v	-	_		oursue a design drawing that is	
Characte	eristics o	of Class / D	ivision in Lea	arning					
☐ Active	Learning		☐ Aided by IC	Т	☑ Applicable t	o Remote	Class	☐ Instructor Professionally Experienced	
	D.I.								
Course I	Plan	т т.				Ι .			
		 	ieme			Goals			
			planation of lea esign and Drawi	rning content and					
					I review of	Understar mechanica	nd and o	can explain the basics of	
			awing bearing (ng I	I review of	mechanica Understar	al drawi nd how	can explain the basics of ngs. to draft production drawings and) production drawings.	
	1.04	2nd Dr	rawing bearing (ng I	I review of	mechanica Understar can create Understar	al drawind how the contract of	ngs. to draft production drawings and	
	1st Quarter	2nd Dr 3rd Dr	rawing bearing (ng I		mechanica Understar can create Understar can create	al drawind how the (trace of the contract) and how the (trace of the point in the p	ngs. to draft production drawings and production drawings. to draft production drawings and	
		2nd Dr 3rd Dr 4th Ab	rawing bearing (ng I 1) 2) nd production dra		mechanica Understar can create Understar can create Understar sketching.	al drawind how the contract of the contract of the posterior of the posterior of the contract of the posterior of the posteri	ngs. to draft production drawings and) production drawings. to draft production drawings and) production drawings.	
1ct		2nd Dr 3rd Dr 4th At 5th Sk	rawing bearing (ng I 1) 2) nd production dra 1)		mechanica Understar can create Understar can create Understar sketching. Can obser	al drawind how e (trace of the condition of the power and	ngs. to draft production drawings and production drawings. to draft production drawings and production drawings and urpose and procedures of	
1st Semeste		2nd Dr 3rd Dr 4th At 5th Sk 6th Sk	rawing bearing (bout sketches ar setching a vise (ng I 1) 2) d production dra 1) 2)		mechanica Understar can create Understar can create Understar sketching. Can obser Can obser	al drawind how e (trace nd how e (trace nd the prove and tree and	ngs. to draft production drawings and production drawings. to draft production drawings and production drawings and production drawings. urpose and procedures of sketch a vise.	
		2nd Dr 3rd Dr 4th At 5th Sk 6th Sk 7th Sk	rawing bearing (bout sketches are setching a vise (setching a vise (ng I 1) 2) nd production dra 1) 2) 3)		mechanica Understar can create Understar can create Understar sketching. Can obser Can obser Can obser	al drawind how the (trace of the provement of the proveme	ngs. to draft production drawings and production drawings. to draft production drawings and production drawings and production drawings. urpose and procedures of sketch a vise.	
Semeste		2nd Dr 3rd Dr 4th At 5th Sk 6th Sk 7th Sk 8th Sk	rawing bearing (bout sketches are etching a vise (setching a vise (setching a vise (ng I 1) 2) nd production dra 1) 2) 3)		mechanica Understar can create Understar can create Understar sketching Can obser Can obser Can obser Can obser	al drawind how to trace and the power and the power and the an	ngs. to draft production drawings and) production drawings. to draft production drawings and) production drawings and) production drawings. urpose and procedures of sketch a vise. sketch a vise. sketch a vise.	
Semeste		2nd Dr 3rd Dr 4th At 5th Sk 6th Sk 7th Sk 8th Sk 9th Sk	rawing bearing (bout sketches are etching a vise (letching a vis	ng I 1) 2) nd production dra 1) 2) 3) 4)		mechanica Understar can create Understar can create Understar sketching Can obser Can obser Can obser Can obser Can obser	al drawind how the control of the property of	ngs. to draft production drawings and) production drawings. to draft production drawings and) production drawings. urpose and procedures of sketch a vise. sketch a vise. sketch a vise. sketch a vise.	
Semeste		2nd Dr 3rd Dr 4th At 5th Sk 6th Sk 7th Sk 8th Sk 9th Sk 10th Sk	rawing bearing (rout sketches are tetching a vise (ng I 1) 2) nd production dra 1) 2) 3) 4)		mechanica Understar can create Understar sketching Can obser	al drawind how to trace and the power and the	ngs. to draft production drawings and production drawings. to draft production drawings and production drawings and production drawings. urpose and procedures of sketch a vise.	
Semeste	Quarter	2nd Dr 3rd Dr 4th At 5th Sk 6th Sk 7th Sk 8th Sk 9th Sk 10th Sk 11th Dr	rawing bearing (cout sketches are cetching a vise (cetching a vise's r	ng I 1) 2) nd production dra 1) 2) 3) 4) 5)		mechanica Understar can create Understar sketching. Can obser	al drawind how to trace and how to trace and the power and the power and the a	ngs. to draft production drawings and) production drawings. to draft production drawings and) production drawings. urpose and procedures of sketch a vise.	
Semeste		2nd Dr 3rd Dr 4th At 5th Sk 6th Sk 7th Sk 8th Sk 9th Sk 10th Sk 11th Dr 12th Dr	rawing bearing (cout sketches are setching a vise (setching a vise's reawing a vise'	ng I 1) 2) nd production dra 1) 2) 3) 4) 5) 6) novable parts (1)	wings	mechanica Understar can create Understar sketching. Can obser	al drawind how to trace and the power and the power and the an	ngs. to draft production drawings and) production drawings. to draft production drawings and) production drawings. urpose and procedures of sketch a vise.	
Semeste	Quarter 2nd	2nd Dr 3rd Dr 4th At 5th Sk 6th Sk 7th Sk 8th Sk 10th Sk 11th Dr 12th Dr 13th Dr	rawing bearing (cout sketches are setching a vise (cetching a vise's reawing a vise	ng I 1) 2) nd production dra 1) 2) 3) 4) 5) 6) novable parts (1) novable parts (2) novable parts (3)	wings	mechanica Understar can create Understar sketching. Can obser	al drawind how e (trace and the power and e and e a proce a pr	ngs. to draft production drawings and) production drawings. to draft production drawings and) production drawings. urpose and procedures of sketch a vise. duction drawing from a sketch. duction drawing from a sketch.	
Semeste	Quarter 2nd	2nd Dr 3rd Dr 4th At 5th Sk 6th Sk 7th Sk 8th Sk 9th Sk 10th Sk 11th Dr 12th Dr 13th Dr 14th Dr	rawing bearing (pout sketches are etching a vise (setching a vis	ng I 1) 2) nd production dra 1) 2) 3) 4) 5) 6) novable parts (1) novable parts (2) novable parts (3) novable parts (4)	wings	mechanica Understar can create Understar sketching. Can obser Can create Can create Can create	al drawind how e (trace and the power and eve	ngs. to draft production drawings and) production drawings. to draft production drawings and) production drawings. urpose and procedures of sketch a vise. duction drawing from a sketch.	
Semeste	Quarter 2nd	2nd Dr 3rd Dr 4th At 5th Sk 6th Sk 7th Sk 8th Sk 9th Sk 10th Sk 11th Dr 12th Dr 13th Dr 14th Dr	rawing bearing (pout sketches are etching a vise (setching a vis	ng I 1) 2) nd production dra 1) 2) 3) 4) 5) 6) novable parts (1) novable parts (2) novable parts (3)	wings	mechanica Understar can create Understar sketching. Can obser Can create Can create Can create	al drawind how e (trace and the power and eve	ngs. to draft production drawings and) production drawings. to draft production drawings and) production drawings. urpose and procedures of sketch a vise. duction drawing from a sketch. duction drawing from a sketch.	
Semeste r	Quarter 2nd Quarter	2nd Dr 3rd Dr 4th At 5th Sk 6th Sk 7th Sk 8th Sk 9th Sk 10th Sk 11th Dr 12th Dr 13th Dr 14th Dr 15th Dr 16th	rawing bearing (rout sketches are setching a vise (setching a vise's reawing a vise	ng I 1) 2) nd production dra 1) 2) 3) 4) 5) 6) novable parts (1) novable parts (2) novable parts (3) novable parts (4)	wings	mechanica Understar can create Understar sketching. Can obser Can create Can create Can create	al drawind how e (trace and the power and eve	ngs. to draft production drawings and) production drawings. to draft production drawings and) production drawings. urpose and procedures of sketch a vise. duction drawing from a sketch.	
Semeste r	Quarter 2nd Quarter	2nd Dr 3rd Dr 4th At 5th Sk 6th Sk 7th Sk 8th Sk 10th Sk 11th Dr 12th Dr 13th Dr 14th Dr 15th Dr 16th Od and We	rawing bearing (cout sketches are setching a vise (setching a vise's reawing a vise	ng I 1) 2) nd production dra 1) 2) 3) 4) 5) 6) novable parts (1) novable parts (2) novable parts (3) novable parts (4) novable parts (5)	wings	mechanica Understar can create Understar sketching. Can obser Can create Can create Can create Can create Can create	al drawind how e (trace and the power and eve	ngs. to draft production drawings and) production drawings. to draft production drawings and) production drawings. urpose and procedures of sketch a vise. duction drawing from a sketch.	
Evaluation	Quarter 2nd Quarter	2nd Dr 3rd Dr 4th At 5th Sk 6th Sk 7th Sk 8th Sk 10th Sk 11th Dr 12th Dr 13th Dr 14th Dr 15th Dr 16th od and We	rawing bearing (cout sketches are setching a vise (setching a vise's reawing a vise	ng I 1) 2) nd production dra 1) 2) 3) 4) 5) 6) novable parts (1) novable parts (2) novable parts (3) novable parts (4) novable parts (5) Attitude	wings	mechanica Understar can create Understar sketching. Can obser Can create Can create Can create Can create Can create Can create	al drawind how e (trace and the power and eve	ngs. to draft production drawings and) production drawings. to draft production drawings and) production drawings. urpose and procedures of sketch a vise. duction drawing from a sketch.	
Evaluation Subtotal	2nd Quarter On Meth	2nd Dr 3rd Dr 4th At 5th Sk 6th Sk 7th Sk 8th Sk 10th Sk 11th Dr 12th Dr 13th Dr 14th Dr 15th Dr 16th od and We Attence 30	rawing bearing (cout sketches are setching a vise (setching a vise's reawing a vise	ng I 1) 2) nd production dra 1) 2) 3) 4) 5) 6) novable parts (1) novable parts (2) novable parts (3) novable parts (4) novable parts (5) Attitude 10	wings	mechanica Understar can create Understar can create Understar sketching Can obser Can obser Can obser Can obser Can obser Can create	al drawind how e (trace and the power and eve	ngs. to draft production drawings and) production drawings. to draft production drawings and) production drawings. urpose and procedures of sketch a vise. duction drawing from a sketch. Total Total	
Evaluation	2nd Quarter on Meth	2nd Dr 3rd Dr 4th At 5th Sk 6th Sk 7th Sk 8th Sk 9th Sk 10th Sk 11th Dr 12th Dr 13th Dr 14th Dr 15th Dr 16th Od and We Attence 30 0	rawing bearing (cout sketches are setching a vise (setching a vise's reawing a vise	ng I 1) 2) nd production dra 1) 2) 3) 4) 5) 6) novable parts (1) novable parts (2) novable parts (3) novable parts (4) novable parts (5) Attitude	wings E G	mechanica Understar can create Understar can create Understar sketching Can obser Can obser Can obser Can obser Can obser Can create	al drawind how e (trace and the power and eve	ngs. to draft production drawings and) production drawings. to draft production drawings and) production drawings. urpose and procedures of sketch a vise. duction drawing from a sketch.	

Д	kashi Co	ollege		Year	2024			Course Title	Desig	n and Drawing II B
Course	Informa	tion								
Course Co	ode	6228				Course Cate	gory	Specialize	ed / Con	npulsory
Class For	mat	Pract	ical trai	ning		Credits		School Cr	edit: 1	
Departme	ent	Mech	anical E	ngineering		Student Grad	de	2nd		
Term		Seco	nd Sem	ester		Classes per V	Neek	2		
Textbook Teaching	and/or Materials									
Instructo	r	MATS	SUZUKA	Naoki						
Course	Objectiv	es								
(1) Under (2) Can c	rstand the reate a pro	standar oduction	ds of m drawin	echanical drav ng from a sket	wing and create ch of a vise.	production dra	wings (of mechanica	al parts.	
Rubric									_	
			Id	deal Level		Standard Lev	/el		Unaco	ceptable Level
Achievem	ent 1		n	Inderstand the nechanical dra ccurately crea rawings of me	wing and can	Understand t mechanical d create produ mechanical p	lrawing ction d	and can	stand	ot understand the ards of drawing and ot create production ngs of mechanical parts.
Achievem	ent 2		р	an accurately roduction drawketch of a vise	wing from a	Can create a drawing from			drawi	ot create a production ng from a sketch of a vise
Assiane	d Depar	tment	Ohiec	tives		•			•	
	ig Metho		Objec							
Outline	ig Metric	We w	vill main	nly create proc	luction drawings	s based on sketo	ches ar	nd dimension	nal mea:	surements of a vise, etc. ure of machinery and to
		acqui	ire the c	correct drafting	g method that i	s in accordance	with J	S through th	nese pro	ocesses.
Style				be taught in a			مداء امد	uinga Alaa		a decise describe that is
Notice		accer	otable ir	n real-world us	se.	n actual goods a s will not be eligi			pursue	a design drawing that is
Charact	eristics	of Clas	s / Div	vision in Lea	arning					
□ Active	Learning			Aided by IC	Т	☐ Applicable	e to Re	mote Class		structor Professionally ienced
Course	Plan									
			The	me			Goa	ls		
		1st	Drav	wing a vise's b	odv (1)				duction	drawing from a sketch.
		2nd		wing a vise's b	, , ,		_			drawing from a sketch.
		3rd		wing a vise's b	, , ,					drawing from a sketch.
		4th		wing a vise's b						drawing from a sketch.
	3rd Quarter	5th		wing a vise's b	, , ,					drawing from a sketch.
	(3.3.1.2.1	6th			sembly drawing	. (1)	_	· · · · · · · · · · · · · · · · · · ·		drawing from a sketch.
		7th			sembly drawing					drawing from a sketch.
		8th			sembly drawing					drawing from a sketch.
		9th		wing a vise as wing a small v	, ,	, (3)	_	· · · · · · · · · · · · · · · · · · ·		drawing from a sketch.
2nd Semeste										
r		10th		wing a small v						drawing of a small vise.
		11th		wing a small v						drawing of a small vise.
		12th		wing a small v						drawing of a small vise.
	4th Quarter	13th 14th		wing a small v	lopment drawin	a (1)	Und	erstand how	to crea	n drawing of a small vise. In a sheet metal In an create a production
		1101			•		drav Und	ving. erstand how	to crea	ate a sheet metal
		15th	She	et metal deve	lopment drawin	g (2)	deve			nd can create a production
Fig. 1 :		16th	-1) 4 / .	-l-+ (0/)						
∟valuat	ion Meth				1		I_			I=
			Attenda	nce	Attitude		Drawi	ng		Total
Subtotal			30		10		60			100
Basic Pro)		0		0			0
Specialize	ed Proficier		30		10		60			100
Specialized Proficiency301060100Cross Area Proficiency000				0						

А	kashi Co	ollege	Year	2024				Manufacturing Engineering Practice II A	
Course	Informa	tion	l	1				, , actice 11 1	
Course Co		6229			Course Categor	γ	Specialize	ed / Compulsory	
Class Forr	nat	Practical	training		Credits		School C	redit: 1	
Departme	nt	Mechanic	cal Engineering		Student Grade		2nd		
Term		First Sen	nester		Classes per We	ek	2		
Textbook Teaching	Matérials								
Instructor		-	akahiro,OHMORI	Shigetoshi					
(2) Can u (3) Can re (4) Can c (5) Can a (a) In (b) In	arry out ex se the eque port in wind arry out ex cquire bas welding willing wi	kercises bas lipment and riting, orally kercises by ic knowledg vork, under ork, unders chining, und	I devices correctly, etc. working together working together we and skills in metho stand the machini	as a group. echanical engineer ds of flat butt weld ng procedures of a	ing. ling and the gas a hexahedral obj	ect an	ıd can mar	n manufacture a product. nufacture a product. reads using oblique threading,	
Rubric									
			Ideal Level		Standard Level			Unacceptable Level	
Achievem	ent 1		Can fully carry based on the i procedures pro	nstructions and	Can carry out e on the instructi instructions pro	ons ar	nd	Cannot carry out exercises based on the instructions and instructions provided.	
Achievem	ent 2		Can use equip sufficiently and	ment and devices d correctly.	Can use equipr correctly.	nent a	nd devices	Cannot use equipment and devices correctly.	
Achievem	ent 3		Can report suf writing, orally,		Can report in wetc.	riting,	orally,	Cannot report in writing, orally, etc.	
			Can carry out working togeth while encourage members.	ner as a group	Can carry out e working togeth			Cannot carry out exercises by working together as a group.	
			butt welding a	e methods of flat nd the gas an manufacture a	Understand the butt welding ar welding and ca product.	nd the	gas	of flat butt wolding, and cannot	
			procedures of	<u> </u>			nining edral ufacture a	Do not understand the machining procedures of hexahedral object, and cannot manufacture a product.	
			Understand th applications of machining of r using oblique t grooving, and a good produc	Understand the types and applications of screws, machining of male threads using oblique threading, and grooving, and can manufacture a product.			Do not understand the types and applications of screws, machining of male threads using oblique threading, and grooving, and cannot manufacture a product.		
Assigne	d Depar	tment Ob							
Teachin	g Metho	d d	_						
Outline		In this co	hnology through	ther pursue basic of the organic relations rk, and develop cre	ınshin hetween ı	applio	ed exercise sing theor	es. The goals is to understand y and practice, develop work	
Style		exercises For basic	s in the training face exercises, stude	actory.	ix groups and ca	arry ou	ıt different	ond class and on, we will do basic assignments in turn. methods.	
Notice		In exerci other gro Students	ses, students ma oups. Always kee who miss 1/3 o	y be concerned wi p the purpose in m more of classes v	th the shape of nind, try to work vill not be eligibl	the pr corre e for e	oduct, its ctly, and to valuation.	appearance, and the progress of ry to grasp the essential things.	
Charact	eristics o	of Class /	Division in Le	earning	T				
☐ Active	Learning		☐ Aided by I	СТ	☑ Applicable to	o Rem	ote Class	☐ Instructor Professionally Experienced	
C-	DI-								
Course	Plan	1.				6 1			
			Theme			Goals	ctand late	nt dangers of the work during the	
				(Omori and Kato)	ا الدحم سمال	exerci	ises and le	arn to work safely.	
		ZIIU	Making of bend t	I-1: Flat butt weldest piece) (Omoria	anď Kato) `	bend	test piece)	flat butt weld method (Making a and learn how to work.	
1st Semeste	1st Quarter	Siu	(Making of bend	I-2: Flat butt weld test pieces) (Omoi	ri and Kato)	bend	stand the test piece)	flat butt weld method (Making a and learn how to work.	
r		4th	procedures and h (Omori and Kato	,	itic gas cutter	Learn handle	how to w e automat	ork with gas welding and how to ic gas cutters.	
		5th	Welding exercise procedures and h cutters.(Omori a	II-2: Explanation nandling of automa nd Kato)	of for work atic gas	Learn handle	how to w e automat	ork with gas welding and how to ic gas cutters.	

	6th	Milling exercise I-1: M object (Omori, and Ka	achining of a hexahedron to)	Learn the basics of worl machining through worl with milling machines.	king procedures for k on a hexahedron object
	7th	Milling exercise I-2: M object (Omori and Kat	achining of a hexahedron	Learn the basics of worl machining through worl with milling machines.	king procedures for k on a hexahedron object
	8th	Factory tour (Omori a	nd Kato)	By visiting a production knowledge and insight the training factory.	plant, students will gain hat cannot be obtained at
	9th	Milling exercise I-3: M object (Omori and Kat	achining of a hexahedron	Learn the basics of worl machining through worl with milling machines.	king procedures for k on a hexahedron object
	10th	Milling exercise I-4: M object (Omori and Kat	achining of a hexahedron	Learn the basics of work machining through work with milling machines	king procedures for k on a hexahedron object
	11th		Types and applications of male threads using oblique ng (Omori and Kato)	Imachining of male threa	nd applications of screws, ads using oblique through lathe machining.
2nd Quarter	12th	Lathing exercise I-2: screws, machining of threading, and grooving	Types and applications of male threads using oblique ng (Omori and Kato)	machining of male threa	nd applications of screws, ads using oblique I through lathe machining.
	13th	Lathing exercise II-1: small vise (Omori and	Making screw rods for a Kato)	Learn how to make a so through lathe machining	rew rod for a small vise g.
	14th	Lathing exercise II-2: small vise (Omori, Kat	Making of screw rods for a co)	Learn how to make a so through lathe machining	rew rod for a small vise g.
	15th	Factory tour (Omori a	nd Kato)	By visiting a production knowledge and insight the training factory.	plant, students will gain hat cannot be obtained at
	16th	No final exam			
Evaluation Meth	od and	Weight (%)			
	Re	eport	the work	Behavior	Total
Subtotal	60)	20	20	100
Basic Proficiency	0		0	0	0
Specialized Proficien)	20	20	100
Cross Area Proficience	cy 0		0	0	0

Akashi College Year 2024 Course Manufacturing En Title Practice II B					Manufacturing Engineering Practice II B				
Course	Informa	tion	•			•	•		
Course Co	ode	6230			Course Categor	ry Spe	cialize	d / Compulsory	
Class Forr	mat	Practical tra	aining		Credits	Sch	ool Cre	edit: 1	
Departme	ent	Mechanical	Engineering		Student Grade	2nd			
Term		Second Ser	nester		Classes per We	ek 2			
Textbook Teaching									
Instructor	•	KATOH Tak	ahiro,OHMORI	Shigetoshi					
Course	Objectiv	es es							
(2) Can u (3) Can re (4) Can ca (5) Can a (a) Ui in welding (b) Ui machining (c) In	se the equeport in warry out ecquire bas nderstand operation nderstand derstand derstand derstand	Jipment and driting, orally, exercises by wo sic knowledge and work with ns. the end mill roching, can modern	evices correctly stc. orking together and skills in me hasic knowled machining methanufacture a panufacture a p	as a group. echanical engineer dge of gas welding nod and tolerance	ing. 3, principles, cha precision by mill ied techniques si	ling machin	ie oper matino	andling of CO2 and TIG welding rations, and perform basic method, the use of limit hing.	
Rubric		1							
			Ideal Level		Standard Level			Unacceptable Level	
Achievem	ent 1		Can fully carry based on the ir procedures pro	nstructions and	Can carry out e on the instructi instructions pro	ions and	sed	Cannot carry out exercises based on the instructions and instructions provided.	
Achievem	ent 2		Can use equipr sufficiently and	ment and devices correctly.	Can use equipn correctly.	ment and de	evices	Cannot use equipment and devices correctly.	
Achievem	ent 3		Can report suff writing, orally,		Can report in w etc.	riting, orall	ly,	Cannot report in writing, orally, etc.	
			Can carry out e working togeth while encourag members.	er as a group	Can carry out e working togeth			Cannot carry out exercises by working together as a group.	
			Understand the knowledge of g principles, char handling of CO welding, and ca	pas welding, the racteristics, and 2 and TIG	Understand bas gas welding, th characteristics, CO2 and TIG w perform basic t	ne principles and handli velding, and	s, ng of	Do not understand the basic knowledge of gas welding, the principles, characteristics, and handling of CO2 and TIG welding, and cannot perform tasks.	
			techniques and	d mill machining I tolerance anufacture good	Understand the machining metl tolerance accur perform basic r	hod and acy, and ca	an	Do not understanding end mill machining methods and tolerance precision, and cannot perform basic machining.	
				the rolling ning method, roughing, and	Understand the and the use of and can manufi using rolling kn method, drilling roughing, and b	the limit ga acture a pro jurled mach a, bored	nuge, oduct nining	Do not understand the mating method and the use of the limit gauge, and can manufacture a product using rolling knurled machining method, drilling, bored roughing, and boring finishing.	
		tment Obje	ctives						
Leachin	g Metho								
Outline		basic techn	ology through	ther pursue basic the organic relations k, and develop cre	nship between r	applied ex processing f	theory	s. The goals is to understand and practice, develop work	
Style		For basic ex	xercises, studei	at the training fa nts will split into s a factory tour to o	ix groups and ca	arry out diff ge of produ	erent a	assignments in turn. methods.	
Notice		In exercises other group	s, students may	y be concerned w	ith the shape of hind, try to work	the product correctly,	t, its a and tr	ppearance, and the progress of y to grasp the essential things.	
Charact	<u>eristi</u> cs	•	ivision in Le						
□ Active			☐ Aided by IC		☑ Applicable to	o Remote C	Class	☐ Instructor Professionally Experienced	
Course	<u>Plan</u>								
		Th	eme			Goals			
		1st we	elding exercise elding, how to p mori and Kato)	III-1: Basic know place beads, and p	ledge of gas precautions	Understand to place be to work.	d basic eads, p	c knowledge of gas welding, how precautions, etc., and learn how	
2nd Semeste r	3rd Quarter	2nd We	elding exercise	III-2: Basic know place beads, and p	ledge of gas precautions	Understand		knowledge of gas welding, how precautions, etc., and learn how	
Welding exercise IV-1: Principles, characteristics and handling of CO2, and TIG welding (Omori and Kato) Welding exercise IV-1: Principles, characteristics and handling of CO2 and TIG welding, and learn he to work.					orinciples, characteristics, and and TIG welding, and learn how				

	4th						
	5th	such as end mill m	nachining and tole		tolerance precision	on by milling and	
	6th	such as end mill m	nachining method	ng techniques I and tolerance	tolerance precision	on by milling and	g method and learn basic
	7th	such as end mill m	nachining method		tolerance precision	on by milling and	
	8th	Factory tour (Omo	ori and Kato)				hat cannot be
	9th	such as end mill m	nachining method	ng techniques I, and tolerance	tolerance precision	on by milling and	g method and learn basic
	10th	explanation of limi	t gauge, and turi	niná knurled	handling method	, and rolling knur	led machining
	11th	explanation of the	limit gauge, and		handling method	, and rolling knur	led machining
	12th			e roughing, and			
	13th			e roughing, and			
	14th	Factory tour (Omo	ori and Kato)				hat cannot be
	15th	Report writing			Accurately summ techniques acqui	narize the knowle	dge and ses.
	16th	No final exam					
on Me	thod and \	Weight (%)					
		Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total
C)	0	0	0	0	0	0
,)	0	0	0	0	0	0
)	0	0	0	0	0	0
- 11)	0	0	0	0	0	0
	on Me	5th 6th 7th 8th 9th 10th 11th 12th 13th 14th 15th 16th 00 Method and Method a	4th and handling of Co Kato) 5th Milling exercise II-such as end mill maccuracy (Omori a Milling exercise II-such as end mill maccuracy (Omori a Milling exercise II-such as end mill maccuracy (Omori a Milling exercise II-such as end mill maccuracy (Omori a Milling exercise II-such as end mill maccuracy (Omori a Milling exercise II-such as end mill maccuracy (Omori a Lathing exercise II-such as end mill maccuracy (Omori a Lathing exercise II-explanation of limiprocessing method (Omori and Lathing exercise II-bore finishing	4th and handling of CO2, and TIĞ weld Kato) Milling exercise II-1: Basic processi such as end mill machining and tole accuracy (Omori and Kato) Milling exercise II-2: Basic processi such as end mill machining method accuracy (Omori and Kato) Milling exercise II-3: Basic processi such as end mill machining method accuracy (Omori and Kato) 8th	Kato Milling exercise II-1: Basic processing techniques such as end mill machining and tolerance accuracy (Omori and Kato)	Ath And handling of CO2, and TIG welding (Omori and handling of CO2 to work. Asto)	4th and handling of CO2, and TIG welding (Omori and kato)

Department Mech Term First Textbook and/or Teaching Materials Instructor KATC Course Objectives (1) Can carry out exercises (2) Can use the equipment (3) Can report in writing, or (4) Can carry out exercises (5) Can acquire basic know (a) Understand the ty engine. (a) Understand how I	based and derally, et by wor ledge a control n	engineering cer chiro,OHMORI on procedures vices correctly c. king together nd skills in me d construction chine tools wo nethods of var deal Level can fully carry assed on the ir	s and instructions. /- as a group. echanical engineer ns of engines, and rk and can create rious motors, and	ing. can use hand to an NC program.	y ek ols cor	Specialize School Cr 2nd 2	Engineering II A d / Compulsory edit: 1 lisassemble and assemble an ts, and operate robots.
Course Code 6231 Class Format Pract Department Mech Term First Textbook and/or Teaching Materials Instructor KATC Course Objectives (1) Can carry out exercises (2) Can use the equipment (3) Can report in writing, or (4) Can carry out exercises (5) Can acquire basic know (a) Understand the ty engine. (a) Understand how I (c) Understand the co	based and derally, et by wor ledge a control n	engineering cer chiro,OHMORI on procedures vices correctly c. king together nd skills in me d construction chine tools wo nethods of var deal Level can fully carry assed on the ir	s and instructions. /- as a group. echanical engineer ns of engines, and rk and can create rious motors, and	ing. can use hand to	ek ols cor	School Cr 2nd 2	edit: 1
Department Mech Term First Textbook and/or Teaching Materials Instructor KATC Course Objectives (1) Can carry out exercises (2) Can use the equipment (3) Can report in writing, or (4) Can carry out exercises (5) Can acquire basic know (a) Understand the ty engine. (a) Understand how I (c) Understand the co	based and de ally, et by wor less an less and le	engineering cer chiro,OHMORI on procedures vices correctly c. king together nd skills in me d construction chine tools wo nethods of var deal Level can fully carry assed on the ir	s and instructions. /- as a group. echanical engineer ns of engines, and rk and can create rious motors, and	ing. can use hand to	ek ols cor	School Cr 2nd 2	edit: 1
Department Mech Term First Textbook and/or Teaching Materials Instructor KATC Course Objectives (1) Can carry out exercises (2) Can use the equipment (3) Can report in writing, out (4) Can carry out exercises (5) Can acquire basic know (a) Understand the tyengine. (a) Understand the construction (c) Understand the construction Rubric Achievement 1 Achievement 2	based and de ally, et by wor less an less and le	engineering cer chiro,OHMORI on procedures vices correctly c. king together nd skills in me d construction chine tools wo nethods of var deal Level can fully carry assed on the ir	s and instructions. /- as a group. echanical engineer ns of engines, and rk and can create rious motors, and	ing. can use hand to an NC program. can assemble me	ols cor	2nd 2	lisassemble and assemble an
Textbook and/or Teaching Materials Instructor Course Objectives (1) Can carry out exercises (2) Can use the equipment (3) Can report in writing, or (4) Can carry out exercises (5) Can acquire basic know (a) Understand the tyengine. (a) Understand how (c) Understand the control of the co	based and de rally, et by wor ledge an voc macontrol n	on procedures vices correctly c. Hing together and skills in med construction thine tools wonethods of variated Level	s and instructions. /- as a group. echanical engineer ns of engines, and rk and can create rious motors, and	ing. can use hand to an NC program. can assemble m	ols cor	rectly to c	
Teaching Materials Instructor Course Objectives (1) Can carry out exercises (2) Can use the equipment (3) Can report in writing, of (4) Can carry out exercises (5) Can acquire basic know (a) Understand the tyengine. (a) Understand how I (c) Understand the control of the cont	based and de and de ally, et by worledge a pres an NC macontrol n	on procedures vices correctly c. king together nd skills in med construction thine tools wonethods of variated Level can fully carry assed on the invices vices construction to the investigation of the invices vices construction to the investigation of the invices vices construction of the invices vices vi	s and instructions. /- as a group. echanical engineer ns of engines, and rk and can create rious motors, and	ing. can use hand to an NC program. can assemble m		•	
Course Objectives (1) Can carry out exercises (2) Can use the equipment (3) Can report in writing, of (4) Can carry out exercises (5) Can acquire basic know (a) Understand the ty engine. (a) Understand how I (c) Understand the constant of the constant o	based and de and de ally, et by worledge a pres an NC macontrol n	on procedures vices correctly c. king together nd skills in med construction thine tools wonethods of variated Level can fully carry assed on the invices vices construction to the investigation of the invices vices construction to the investigation of the invices vices construction of the invices vices vi	s and instructions.	ing. can use hand to an NC program. can assemble m		•	
(1) Can carry out exercises (2) Can use the equipment (3) Can report in writing, or (4) Can carry out exercises (5) Can acquire basic know (a) Understand the ty engine. (a) Understand how I (c) Understand the control (c) Understand the	and de -ally, et by wor ledge a rpes an NC mac ontrol n I C b p C s	vices correctly c	as a group. echanical engineer s of engines, and rk and can create rious motors, and	ing. can use hand to an NC program. can assemble m		•	
Rubric Achievement 1 Achievement 2	I C C b p P C S C W	deal Level Can fully carry cased on the in	,	1	otor di	river circui	ts, and operate robots.
Achievement 1 Achievement 2	C b p C s	Can fully carry cased on the in		Chample			
Achievement 2	C b p C s	Can fully carry cased on the in		I PEDDUDING OVICE			Unacceptable Level
	S C v	rocedures pro	out exercises nstructions and ovided.	Can carry out e on the instructions pro	ons an	es based d	Cannot carry out exercises based on the instructions and instructions provided.
Achievement 3	٧	Can use equiprufficiently and	ment and devices l correctly.	Can use equipm correctly.	nent ar	nd devices	Cannot use equipment and devices correctly.
		Can report suff vriting, orally,		Can report in w etc.	riting,	orally,	Cannot report in writing, orally, etc.
	v v	Can carry out over working togeth while encourage nembers.	ner as a group	Can carry out e working togethe			Cannot carry out exercises by working together as a group.
	c c d	an use hand t	e types and of engines, and cools correctly to nd assemble an	Understand the constructions of can use hand to disassemble and engine.	engin	nes, and rrectly to	Do not understand the types and constructions of engines, and cannot use hand tools correctly to disassemble and assemble an engine.
	to	tools work and can create an NC program. tools work		Understand how tools work and NC program.			Do not understand how NC machine tools work and cannot create an NC program.
	o a	Inderstand the of various motous ssemble motound operate ro	Understand hov various motors, assemble motor and operate rob	and c drive	an	Do not understand how to control various motors, and cannot assemble motor driver circuits, and operate the robot.	
Assigned Department Teaching Method	Objec	ctives					
Outline Deep relati	en basi onship ive abil	between proc	nd provide applied essing theory and	exercises. Under practice, develo	rstand p work	basic tech	nnology through the organic s for rational work, and develop
Style We wand o	ill carry	y out basic ex ut different ass	ercises after safety signments in turn. a factory tour to d				students will split into six groups
In ex	ercises.	. students ma	v be concerned wi	th the shape of t	he pro	oduct, its a	appearance, and the progress of y to grasp the essential things.
Characteristics of Clas							
☐ Active Learning		Aided by IC	CT	☑ Applicable to	Remo	ote Class	☐ Instructor Professionally Experienced
Course Plan							
Course Plan	The	ıma			Goals		
1.0+			(Katoh and Omori			ork cafoly	on various machines
1st 2nd		ine exercise I	`	,	Under	stand the	basic use of hand tools and the
3rd		ine exercise I			Under	stand the	pe of engine. basic use of hand tools and the
1st 1st 4th	+	ine exercise I			Can ex	xplain the	pe of engine. difference between a two-cycle
Semeste Quarter 5th	-	ine exercise I			Can ex	xplain the	difference between a two-cycle
6th					Under	stand how	r-cycle engine. to program and can create an
7th					NC program. Understand how to program and can create a NC program.		

		8th	Factory tour			Can produ	Deepen your knowledgetion systems and proceed	ge and insight of duction management.	
		9th	NC exercise 1				Understand how to operate the MC and can create an NC program.		
		10th	NC exercise 1	II-2 (Katoh)			stand how to operate an NC program.	the MC and can	
		11th	Motor contro	l exercise I-1 (ohnishi)	1	Under can as	stand how to control visemble the motor driv	various motors, and ver circuit.	
	2nd	12th	Motor contro	l exercise I-2 (ohnishi)	Understand how to control various motors, and can assemble the motor driver circuit.			
	Quarter	13th	Motor contro	or control exercise II-1 (ohnishi)			Can control the speed of movement of the robot using the motor driver circuit.		
		14th	Motor contro	Motor control exercise II-2 (ohnishi)			Can control the speed of movement of the robot using the motor driver circuit.		
		15th	Factory tour	(Katoh and Omori)		Can D produ	eepen your knowledge ction systems and pro	e and insight of duction management.	
		16th	No final exan	n					
Evaluati	ion Meth	od and	Weight (%)						
		Examir	nation	Report	The work		Behavior	Total	
Subtotal		0		60	20		20	100	
Basic Prof	ficiency	0	·	0	0		0	0	
Specialize Proficience		0		60	20		20	100	
Cross Are Proficience		0		0	0		0	0	

Akashi College		Year 2024					Practice on Mechanical Engineering II B	
Course	Informa	tion	1	-				
Course Co		6232			Course Categor	γ	Specialize	ed / Compulsory
Class Forr	mat	Practical	training	Credits	•	School Cr	redit: 1	
Departme	nt	Mechani	cal Engineering	Student Grade		2nd		
Term		Second	Semester		Classes per We	ek	2	
Textbook Teaching								
Instructor	•	KATOH	Takahiro,SEKIMC	RI Daisuke				
(2) Can u (3) Can re (4) Can ca (5) Can a (a) (b) programn	arry out ex se the equeport in wi arry out ex cquire bas Understar Understar ning.	kercises bas lipment and riting, orally kercises by ic knowled and basic knowled and the how	d devices correct y, etc. working togethe ge and skills in m owledge of electr to operate and t	r as a group. echanical engineer ical circuits that are	ing. e related to the o C machine tools	includ	of machir ling machi	nery. ning centers through NC
Rubric								
			Ideal Level		Standard Level			Unacceptable Level
Achievem	ent 1			y out exercises instructions and ovided.	Can carry out e on the instructi instructions pro	ons an		Cannot carry out exercises based on the instructions and instructions provided.
Achievem	ent 2		Can use equip sufficiently an	ment and devices d correctly.	Can use equipn correctly.		nd devices	†
Achievem	ent 3		Can report su writing, orally	fficiently in , etc.	Can report in w etc.			Cannot report in writing, orally, etc.
			Can carry out working toget while encoura members.	her as a group	Can carry out exercises by working together as a group.			Cannot carry out exercises by working together as a group.
			functions and action of each diagrar		diagrams, and	nderstand the electrical circuit agrams, and the functions and ction of each component.		
			methods and machine tools	nters through NC	Understand the importance of N such as machin through NC pro	NC machine tools ning centers		Do not understand the operation and importance of NC machine tools such as machining centers through NC programming.
			Fully understand the control of robots through the production of line trace robots. Understand the robots through of line trace robots.			h the production c		Do not understand the control of robots through the production of line trace robots.
Assigne	d Depar	tment Ol	ojectives					
Teachin	g Metho	d						
Outline		In this c	chnology through	the organic relation	nship between p			es. The goals is to understand y and practice, develop work
Style		Students	es for rational work, and develop creative abilities. s will split into six groups and carry out different assignments in turn. on, we will go on a factory tour to deepen knowledge of production methods.					
Notice In exercise other grou			exercises, students may be concerned with the shape of the product, its appearance, and the progress of ner groups. Always keep the purpose in mind, try to work correctly, and try to grasp the essential things. udents who miss 1/3 or more of classes will not be eligible for evaluation.					
Charact	eristics o	of Class /	Division in Le	earning				
☐ Active	Learning		□ Aided by I	СТ	☑ Applicable to	o Remo	ote Class	☑ Instructor Professionally Experienced
Course	Plan							
			Theme			Goals		
		1st	Sequence basic	exercise I-1(Kato)	Understand the k			knowledge of electrical circuit e functions and action of each
	3rd Quarter	2nd	Sequence basic	exercise I-2(Kato)		Under diagra	stand the ms and th	knowledge of electrical circuit e functions and action of each
2nd Semeste r		3rd	Sequence basic	exercise II-1(Kato)		component. Understand the function, action, etc. of ea component by integrating them into an accircuit, and understand a more applied circuit.		function, action, etc. of each ntegrating them into an actual erstand a more applied circuit
		4th	Sequence basic	exercise II-2(Kato)		Understand the function, action component by integrating them		function, action, etc. of each ntegrating them into an actual
		5th			Understa		cuit, and understand a more applied circuit. derstand NC programming through the signments.	

		6th	NC exercise	III-2(Kato)			rstand NC programmir nments.	ng through the		
		7th	NC exercise	IV-1(Kato)	V-1(Kato)		Can process automatically using the program created.			
		8th	Factory tour				r of the actual product understanding of pro			
		9th	NC exercise	IV-2(Kato)		Can p	rocess automatically ι ed.	ising the program		
		10th	Robot assem	bly exercise I-1(Sekin	nori)	Can a	ssemble a line trace ro	obot		
		11th	Robot assem	bly exercise I-2(Sekin	nori)	Can a	ssemble a line trace ro	obot		
	4th	12th	Robot assem	bly exercise II-1(Seki	mori)	Can adjust various sensors and improve the performances.				
	Quarter	13th	Robot assem	obot assembly exercise II-2(Sekimori)			Can adjust various sensors and improve the performances.			
		14th	Factory tour			A tour of the actual production site will allow better understanding of production.				
		15th	Report writin	ıg		Accurately summarize the knowledge and techniques acquired in the exercises.				
		16th	No final exar	n						
Evaluat	ion Meth	od and	Weight (%)							
		Examir		Report	The work		Behavior	Total		
Subtotal		0		60	20		20	100		
Basic Proficiency		0	0		0		0	0		
	Specialized Proficiency 0			60	20		20	100		
Cross Are Proficience		0		0	0		0	0		

Akashi College		Year	2024		Cour Titl	rse le	Manufacturing Engineering I	
Course	Informa	tion						
Course Co	ode	6233			Course Categor	ry Spe	ecialize	d / Compulsory
Class Forr	mat	Lecture		Credits		nool Cr	edit: 1	
·			al Engineering		Student Grade	2nd	d	
Term		First Seme	ester		Classes per We	ek 2		
Textbook Teaching	Matérials							
Instructor		KATOH Ta	ikahiro					
	<u>Objectiv</u>							
	stand the b stand the b	asics of cast asics of plas	ing and can choo tic working and	ose the best desig can choose the be	n and machining est design and m	g method f nachining r	nethod	orkpiece. for a workpiece.
Rubric			I		T			T
			Ideal Level		Standard Level			Unacceptable Level
Achievem	ent 1		Can establish a manufacturing casting.	method for products by	Can explain the methods.	e various c	asting	Cannot explain the various casting methods.
Achievem	ent 2		Can establish a manufacturing	method for plastic working.	Can explain the working metho		lastic	Cannot explain the various plastic working methods.
Assigne	d Depar	tment Obj	ectives					
	g Metho							
Outline		Can expla	in how to make in the defects of	castings.	on casting, die o	casting and	other	the molds. casting methods. and other plastic working
Style		Classes w	ill be held in a le	cture style, and th	nere will be exer	cises and	assignr	nents.
Notice		memorize	are required to review what they learn and try to understand the content of the lecture, not sime it. who miss 1/3 or more of classes will not be eligible for evaluation.					ontent of the lecture, not simply
Charact	eristics (Division in Le		···· ··· · · · · · · · · · · · · · · ·			
	Learning	<u> </u>	☐ Aided by ICT ☑ Applicable to			o Remote Class		
Course	Plan							
		Т	heme			Goals		
			outline of casting nodel material)	, and models (mo	del type, and	Learn abo	ut cast	ing and models.
		iziiu i	lold I (sand mold nd mold)	d, shell molding, s	Learn about sand molds, shell molds, special molds, and molds.			
				g method, and for	Learn about casting plans and mold-building machines.			
	1st	ft	urnace, and reve	cupola, electric fur rberatory furnace	Learn about cupola, electric furnace, crucible furnace and reverberatory furnace.			
	Quarter	301 (0	defects, and insp	s and inspection rection methods)	Learn about the defects and inspection methods of castings.			
		a a	lloy, and light all			Learn about cast iron, cast steel, copper allogand light alloy.		iron, cast steel, copper alloy,
		7th c		ethod I (die casting, centrifug acuum degassing method, ar u method)		Learn about die casting, centrifugal casting, vacuum degassing, and continuous casting.		
1st			ummary, Midter	,				
Semeste		9th C	verview of plast vorking; and cha	ic working (What racteristic of plast	is plastic ic working)	Learn abo	ut plas	tic working and its outline.
		10th F	orging I (What is orging, free forgi	s forging; hot forg ng, and mold forg	ging, cold ging)	Learn abo forging, fr	out the ee forc	features of forging, hot and cold ging, and mold forging.
			orging II (forging naterials)	g machinery, and	forging	Learn about forging machinery and materials for forging.		
	2nd	12th st	olling (What is r teel, deforming o oll)	rolling, rolling machine, rolli g of material, and deforming		Learn about rolling, rolling machines, rolling of steel, deforming of materials, and deforming of rolls.		
	Quarter	13th P	ress I (What is a	press?)		Learn about the outline of press and its characteristics.		
			ress II (Types of nachine)	press working, a	nd press	Learn about the types of press processing and press machines.		
		15th m	nolding, discharg	king methods (exple molding, electron- e molding, electron- n-speed forging),	omagnetic	Learn abo molding, of speed for	electro	losion molding, discharge magnetic molding, and high-
		16th F	inal exam					
Evaluati	ion Meth	od and W	eight (%)					

	Examination	Report	Attendance • Behavior • Presentation	Total
Subtotal	60	30	10	100
Basic Proficiency	0	0	0	0
Specialized Proficiency	60	30	10	100
Cross Area Proficiency	0	0	0	0

Akashi College		ollege	Year 2024		Cou		Manufacturing Engineering			
Course	Informa	tion								
Course Co	ode	6234			Course Categor	y Sp	Specialized / Compulsory			
Class For	mat	Lecture		(Scl	hool Cre	edit: 1		
Departme	ent	Mechanic	cal Engineering		Student Grade	2n				
Term		Second 9	Semester		Classes per We	eek 2				
Textbook Teaching	Matérials									
Instructor KATOH Takahiro										
1. Unders 2. Can un for a worl	nderstand i kpiece.	pasics of we the basics o	of cutting and the	lect the best design various machining hoose the best des	g methods, and o	can choose	e the be	est design and machining method		
Rubric										
			Ideal Level		Standard Level			Unacceptable Level		
Achievem	ent 1		Can establish manufacturing welding.		Can explain the methods.	various v	velding	Cannot explain the various welding methods.		
Achievem	ent 2		Can establish manufacturing cutting.		Can explain the cutting and the methods.	theory of various c	utting	Cannot explain the theory of cutting and the various cutting methods.		
Achievem	nent 3		Can establish manufacturing grinding .		Can explain the and various cut	grinding ting meth	theory ods.	Cannot explain the grinding theory and various cutting methods.		
Assigne	d Depar	tment Ob	jectives							
	g Metho		-							
Outline	. 9	Students	are expected to	understand the propriectly, and make	rinciple principles effort to improv	of variou e their ab	s mach	ining methods and the nature of adapt to machine production.		
Style		<u> </u>		ecture style, and th				· · · · · · · · · · · · · · · · · · ·		
Notice		memoriz	e it.	review what they I r more of classes v	·			ontent of the lecture, not simply		
Charact	eristics		Division in Le		22 ag.a					
☐ Active			☐ Aided by I		☑ Applicable to	Remote	Class	☐ Instructor Professionally Experienced		
<u> </u>	DI									
Course	Plan		Tl			Carla				
		+	Theme	u are wolding I (O) von iou of and	Goals				
		150	welding)	v, arc welding I (O		Learn about outlines of welding and arc welding.				
		2110	arc welding) `	Sheathed arc weldi	3, 3 ,	Learn about sheathed and gravity arc welding. Learn about sub-merge arc welding, inert gas arc				
		Sid	arc welding, and	c welding III (Sub-merge arc welding, Inert gas c welding, and carbon dioxide welding)			nd carb	on dioxide welding.		
		 	Gas welding	,		Learn abo	out gas	welding.		
	3rd Quarter	5th	Resistance weldi welding, sewn w butt welding)	ance welding (point welding, protrusioning, sewn welding, butt welding, and spark welding)			Learn about spot welding, protrusion welding, sewn welding, butt welding, and spark butt welds.			
		l6th l	freauency weldin	elding (electroslag ig, arc stud weldin tion pressure weld	welding, high g, gas pressure ing)	Learn about electroslag welding, high frequency welding, arc stud welding, gas pressure welding and friction pressure welding.				
2nd		7th	The nature of the various materials Summary	e weld zones, and	welding of	Learn about the nature of the weld zones and the welding of various materials.				
2nd Semeste			Midterm exam							
r		9th	Cutting overview mechanism, chip	, cutting theory I (s, built-up edge)	(cutting	Learn about cutting mechanisms, chips, and built-up edges.				
			Cutting theory II temperature)	utting theory II (cutting resistance, and cutting			Learn about cutting resistance and cutting temperature.			
		11th	Cutting theory II	utting theory III (tool materials)			Learn about tool materials.			
		12th	Cutting theory IV	/ (tool damage, to	ol life,	Learn about tool damage, tool life, theoretical				
	4th Quarter	13th	Various machine machines, milling shaping machine	nnèss, and cutting tools (lathe machi g machines, planin s, vertical milling r	ines, drilling g machines, machines, and	roughness, and cutting fluids. Learn about lathe machines, drilling machines, milling machines, planing machines, shaping machines, vertical milling machines, and				
		14th		ding, grinding theo			out grin	ding, grinding theory, and		
		15th	grinding mechan Grinding stone, o machine Summary	ism dressing and truing	, and grinding	grinding r Learn abo and grind	out grine	ding stone, dressing and truing,		

	16th	Final exam			
Evaluation Meth	od and \	Weight (%)			
	Exa	amination	Report	Attendance · Behavior · Presentation	Total
Subtotal	60		30	10	100
Basic Proficiency	0		0	0	0
Specialized Proficier	ncy 60		30	10	100
Cross Area Proficien	icy 0		0	0	0