Akashi College Mechanical Engineering Year 2023								
De	epar	tment Goals						
Cor e Cat ory	urs .eg	Course Title	Cours e Code	Credit Type	Credit s	Class Hours per Week 1st Year 2nd Year 3rd Year 4th Year 5th Year 1st 2nd 1st 2nd <td< td=""><td>/ear 2nd 3 4 Q Q</td><td>ru Divisio n in Learni ng</td></td<>	/ear 2nd 3 4 Q Q	ru Divisio n in Learni ng
Ge ne ral	Co m pu Iso ry	Japanese I-1	5101	School Credit	1	2	TAN E Atsı	lG Iko
Ge ne ral	Co m pu Iso ry	Japanese I-2	5102	School Credit	1		TAN E Atsı	lG Iko
Ge ne ral	Co m pu Iso rv	History-1	5103	School Credit	1	2	ARA AW/ Hirc ri	K A no
Ge ne ral	Co m pu Iso ry	History-2	5104	School Credit	1		ARA AW/ Hirc ri	K A no
Ge ne ral	Co m pu Iso ry	Mathematics I A-1	5105	School Credit	2	4		AT ao
Ge ne ral	Co m pu Iso ry	Mathematics I A-2	5106	School Credit	2			AT ao
Ge ne ral	Co m pu Iso ry	Mathematics I B-1	5107	School Credit	1	2	OMC A Yası ro	DD uhi
Ge ne ral	Co m pu Iso ry	Mathematics I B-2	5108	School Credit	1		OMC A Yası ro	DD uhi
Ge ne ral	Co m pu Iso ry	Science I -1	5109	School Credit	1	2	TAK CHI Mas iro	EU ah
Ge ne ral	Co m pu Iso ry	Science I -2	5110	School Credit	1		TAK CHI Mas iro	EU ah
Ge ne ral	Co m pu Iso ry	Physical Education I-1	5111	School Credit	1	2	GOT H Taki Uki, BAY HI Yuk	TO AY KO AS
Ge ne ral	Co m pu Iso ry	Physical Education I-2	5112	School Credit	1		GOT H Taki Uki, HID Mas mi	TO ay IS A a
Ge ne ral	Co m pu Iso ry	English I A-1	5113	School Credit	1	2		MO mi
Ge ne ral	Co m pu Iso rv	English I A-2	5114	School Credit	1		AKII TO Hirc	MO mi

Ge ne ral	Co m pu Iso ry	English I B-1	5115	School Credit	1	2	KITAG AWA Chiho
Ge ne ral	Co m pu Iso ry	English I B-2	5116	School Credit	1		KITAG AWA Chiho
Ge ne ral	Co m pu Iso ry	Introduction to Active Learning	5117	School Credit	1	2	TAKED A Naho, HIRAN O Masat sugu, MIZU NO Yuki
Ge ne ral	Co m pu Iso ry	Introduction to Data Science	5118	School Credit	1	2	TSUC HIDA Takay uki,NO MURA Hayat o
Ge ne ral	Co m pu Iso ry	Exercise in Data Science	5119	School Credit	1		TSUC HIDA Takay uki,NO MURA Hayat o,ENO MOTO Ryuji
Ge ne ral	El ec tiv e	Music-1	5120	School Credit	1	2	IZUMI Yuka
Ge ne ral	El ec tiv e	Music-2	5121	School Credit	1		IZUMI Yuka
Ge ne ral	El ec tiv e	Art-1	5122	School Credit	1	2	OHNO Ryohei
Ge ne ral	El ec tiv e	Art-2	5123	School Credit	1		OHNO Ryohei
Ge ne ral	Co m pu Iso ry	Japanese I-1	5124	School Credit	3	6	KUBO TA Ikumi
Ge ne ral	Co m pu Iso rv	Japanese I-2	5125	School Credit	2		KUBO TA Ikumi
Ge ne ral	Co m pu Iso rv	Japanese Culture and Society	5126	School Credit	1	2	KUBO TA Ikumi
Sp eci ali ze d	, m pu Iso ry	Literacy for Disaster Risk Reduction	5127	School Credit	1		MOTO ZUKA Tomok i,YEGA NE GHEZ ELLOO
Sp eci ali ze d	Co m pu Iso ry	Introduction to Information Processing	5128	School Credit	1	2	TANA KA Seiichi
Sp eci ali ze d	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 Iso ry	Design and Drawing I B	5130	School Credit	1		SHI Fengh ui
Sp eci ali ze d	Co m pu Iso ry	Manufacturing Engineering Practice I A	5131	School Credit	1	2	KATO H Takahi ro,OH MORI Shiget oshi
Sp eci ali ze d	Co m pu Iso ry	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 Iso 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 Iso ry	Fundamentals of Engineering	5135	School Credit	1	2	KUBO TA Ikumi
Ge ne ral	Co m pu Iso ry	Japanese II-1	6201	School Credit	1		TANG E Atsuko
Ge ne ral	Co m pu Iso ry	Japanese II-2	6202	School Credit	1		TANG E Atsuko
Ge ne ral	Co m pu Iso ry	Introduction to Global Studies	6203	School Credit	1		
Ge ne ral	Co m pu Iso ry	Public	6204	School Credit	1		
Ge ne ral	Co m pu Iso ry	Mathematics II A-1	6205	School Credit	2		MATS UMIYA Atusi,
Ge ne ral	Co m pu Iso ry	Mathematics II A-2	6206	School Credit	2		MATS UMIYA Atusi, OMOD A Yasuhi ro
Ge ne ral	Co m pu Iso ry	Mathematics II B-1	6207	School Credit	1		TAKAT A Isao
Ge ne ral	Co m pu Iso ry	Mathematics II B-2	6208	School Credit	1		TAKAT A Isao
Ge ne ral	Co m pu Iso ry	Science II A-1	6209	School Credit	1		TAKEU CHI Masah iro
Ge ne ral	Co m pu Iso ry	Science II A-2	6210	School Credit	1		TAKEU CHI Masah iro,

Ge ne ral	Co m pu Iso ry	Science II B-1	6211	School Credit	1	SAKU RAI Yasuhi ro
Ge ne ral	Co m pu Iso ry	Science II B-2	6212	School Credit	1	SAKU RAI Yasuhi ro
Ge ne ral	Co m pu Iso ry	Physical Education II- 1	6213	School Credit	1	GOTO H Takay uki,MA EDA Tadan ori
Ge ne ral	Co m pu Iso ry	Physical Education II- 2	6214	School Credit	1	GOTO H Takay uki,MA EDA Tadan ori
Ge ne ral	Co m pu Iso ry	English II A-1	6215	School Credit	1	HERBE RT John C.
Ge ne ral	Co m pu Iso ry	English II A-2	6216	School Credit	1	INOUE Hideto shi
Ge ne ral	Co m pu Iso ry	English II B-1	6217	School Credit	1	KITAG AWA Chiho
Ge ne ral	Co m pu Iso ry	English II B-2	6218	School Credit	1	KITAG AWA Chiho
Ge ne ral	Co m pu Iso ry	Co+workIA	6219	School Credit	1	All faculty
Ge ne ral	Co m pu Iso ry	Co+work I B	6220	School Credit	1	All faculty
Ge ne ral	El ec tiv	ICT Qualification I	6221	School Credit	1	TAKEU CHI Masah iro
Ge ne ral	El ec tiv e	Mathematics Certification I	6222	School Credit	1	OMOD A Yasuhi ro
Ge ne ral	Co m pu Iso ry	Japanese II-1	6223	School Credit	2	KUBO TA Ikumi
Ge ne ral	Co m pu Iso ry	Japanese II-2	6224	School Credit	1	KUBO TA Ikumi
Ge ne ral	Co m pu Iso ry	Japanese Practice I	6225	School Credit	1	KUBO TA Ikumi
Sp eci ali ze d	Co m pu Iso ry	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 Iso ry	Design and Drawing II B	6228	School Credit	1	MATS UZUK A Naoki
Sp eci ali ze d	Co m pu Iso ry	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 Iso 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 Iso 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 Iso ry	Practice on Mechanical Engineering II B	6232	School Credit	1	KATO H Takahi ro,SEK IMORI Daisuk e
Sp eci ali ze d	Co m pu Iso ry	Manufacturing Engineering I	6233	School Credit	1	KATO H Takahi ro
Sp eci ali ze d	Co m pu Iso ry	Manufacturing Engineering II	6234	School Credit	1	KATO H Takahi ro

A	kashi Co	ollege	Year	2023		Co	ourse Fitle	Japanese I-1
Course	Informa	tion						
Course Co	ode	5101			Course Categor	γ	General ,	/ Compulsory
Class Forr	nat	Lecture			Credits		School C	redit: 1
Departme	ent	Mechanica	Engineering		Student Grade		1st	
Term		First Seme	ster		Classes per We	ek	2	
Textbook Teaching	and/or Materials	中島国彦 他	『精選現代の国語	吾』『精選言語文化	』(明治書院)、	『新訂編	総合国語係	탄罰」(第一学習社)
Instructor	-	TANGE Ats	uko					
Course	Objectiv	es						
1) To cap 2) Can co able to ex 3) To elab transmit i	ture and s rrectly rea press the porate text nformation	ummarize th d the differen student's ow s and reports n effectively.	e composition and t points of view n opinions. e, create senten	nd development o v of people and thi ces that devise a l	f logical sentenc ings drawn in lite logical structure	erary se based (ays and entences on classif	critic articles) accurately. (novels and essays) and to be ied information. To be able to
Rubric			Ideal Lovel		Standard Lovel			
			The students of	an woll	The students of	an cum	marizo	
Achievem	ent 1		summarize and composition of	a text.	and explain the a text.		sition of	summarize and explain the composition of a text.
Achievem	ent 2		The students ca the characters subject and eva	an well capture figure and aluate it critically	The students ca characters figure and evaluate it	an capi re and s criticall	ture the subject ly	The students can not capture the characters figure and subject and evaluate it critically
Achievem	ent 3		The students ca clear opinions a and organize h develop them l empirical sente	an well form and conclusions, is ideas and ogically, using ences.	The students ca opinions and co organize his ide them logically, sentences.	an form onclusio eas and using e	i clear ons, and develop mpirical	The students can not form clear opinions and conclusions, and organize his ideas and develop them logically, using empirical sentences.
Assigne	d Depar	tment Obje	ectives					
Teaching Method								
Outline To acquire basic knowledge of the Japanese language through the reading of various texts such as modern review papers, novels, poetry, and classical texts. To develop logical reading and text expression skills and make use of them linguistically in an organized and sensitivity way								of various texts such as modern g and text expression skills and
Style Classes will be basically held in a lecture style, but there will be quizes and assignments from time to ti						assignments from time to time.		
Notice		To keep in students s Students y	mind that the J hould actively e ho miss 1/3 or	lapanese language engage in the less more of classes v	e is the base of a ons without neg vill not be eligible	all subje lecting e for ev	ects, inclu preparati aluation.	uding science subjects. The ion and review.
Charact	eristics (of Class / [ivision in Le	arning				
□ Active	Learning		□ Aided by IC	T	☑ Applicable to	o Remo	te Class	Instructor Professionally Experienced
Course	Plan							
		TI	neme		Goals			
		1st Co	ourse guidance , mowazu"	, Reading "Futo" a	ind	Unders prepare	tand hov e	v classes will be taugh and what to
		2nd R	eading "Futo" ar	nd "Omowazu"		Can properly understand the content according to the expression		
		3rd R	eading "Futo" ar	nd "Omowazu"		Can un opinior	iderstand 1	the content and express one's
	1 et	4th R	eading compreh vunosuke)	ension Rashomon	(Akutagawa	Can protect Can protect Can protect Can protect Can	operly ur pression	nderstand the content according to
	Quarter	5th R	eading compreh vunosuke)	ension Rashomon	(Akutagawa	Read th accord	he charad	cter image of the character e expression
		6th R	eading compreh vunosuke)	ension Rashomon	(Akutagawa	Regard interac read th	ling nove tion betv ne storylii	ls, appropriately understand the veen the characters, and correctly ne.
1st Semeste		7th R	eading compreh vunosuke)	ension Rashomon	(Akutagawa	Regard and giv	ling nove /e persor	ls, to taste the ending of the work, al opinions about the text.
r		8th R	eading compreh vunosuke)	ension Rashomon	(Akutagawa	Unders the top	tand the of litera	characteristics of the work from ry history
		9th R	eading Ujisyui m	nonogatari		Unders read al of the s	tood fror oud prop sentence	n the history of literature. Can erly and understand the meaning
		10th R	ading Ujisyui m	nonogatari		Unders the top	tand the	characteristics of the work from ry history
	2nd Quarter	11th R	eading Ise mono	ogartari		Unders read al of the s	tood fror oud prop sentence	n the history of literature. Can erly and understand the meaning
	1	12th R	eading Ise mono	ogartari		Unders the top	tand the	characteristics of the work from ry history
		13th R	ading Aesthetic	cs are a resource		To und and the	To understand Ancient Japanese parts of speed and the content of the essay	

		14th	Reading Aest	hetics are a resource	To understand Ancient Japanese Auxiliary verbs and the content of the essay				
			Reading Aest	hetics are a resource		To understand and explain the content of the essay and the aesthetics of middle ages Japan			
		16th	End term exa	ams					
Evaluati	Evaluation Method and Weight (%)								
	Examination Quiz				Behavior		Other	Total	
Subtotal		80		10	10		0	100	
Basic Prof	ficiency	80		10	10		0	100	
Specialized Proficiency		0		0	0		0	0	
Cross Area Proficiency		0		0	0		0	0	

A	kashi Co	ollege	Year	2023		Course Title	Japanese I-2
Course	Information	tion					
Course Co	ode	5102			Course Categor	y Genera	l / Compulsory
Class Forr	mat	Lecture			Credits	School	Credit: 1
Departme	ent	Mechanic	al Engineering		Student Grade	1st	
Term		Second S	emester		Classes per Wee	ek 2	
Textbook Teaching	and/or Materials	中島国彦	也『精選現代の国語	吾』『精選言語文化	』(明治書院)、	『新訂総合国語	便覧』(第一学習社)
Instructor		TANGE A	suko				
Course	Objectiv	es					
1) To cap 2) Can co able to ex 3) To elab transmit i	ture and s rrectly rea press the porate text nformation	ummarize the d the different student's ov s and report n effectively	ne composition a ent points of view yn opinions. es, create senten	nd development c v of people and th ces that devise a	of logical sentence ings drawn in lite logical structure l	es (essays and rary sentence based on class	l critic articles) accurately. s (novels and essays) and to be iffied information. To be able to
Rubric			-				
			Ideal Level		Standard Level		Unacceptable Level
Achievem	ent 1		The students construction of	an well I explain the a text.	The students ca and explain the a text.	n summarize composition c	The students can not summarize and explain the composition of a text.
Achievem	ent 2		The students c the characters subject and eva	an well capture figure and aluate it critically	The students ca characters figur and evaluate it	n capture the e and subject critically	 The students can not capture the characters figure and subject and evaluate it critically
Achievem	ent 3		The students c clear opinions a and organize h develop them l empirical sente	an well form and conclusions, is ideas and ogically, using ences.	The students ca opinions and co organize his ide them logically, u sentences.	n form clear nclusions, and as and develo using empirica	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 [.]	ectives				
Teachin	a Metho	d					
Outline		To acquir review pa make use	e basic knowledg pers, novels, poo of them linguist	e of the Japanese etry, and classical ically, in an organ	e language throug texts. To develo ized and sensitiv	gh the reading p logical readi ty way.	of various texts such as modern ng and text expression skills and
Style		Classes w	ill be basically he	eld in a lecture sty	le, but there will	be quizes and	assignments from time to time.
Notice		To keep i students Students	n mind that the J should actively e who miss 1/3 or	lapanese language engage in the less more of classes y	e is the base of a ons without negle vill not be eligible	Il subjects, ind ecting prepara	luding science subjects. The tion and review.
Charact	eristics of	of Class /	Division in Le	arning			
□ Active	Learning		☐ Aided by ICT			Remote Class	□ Instructor Professionally Experienced
Course	Plan						
		ר	heme			Goals	
		1st F	Course guidance Reading Meaning	g of working		Regarding arti understand th expression sty	cles, read aloud correctly, to e text composition according to the le.
		2nd F	Reading Meaning	g of working		Regarding arti	cles, to understand and explain the
		3rd F	Reading Meaning	g of working		Regarding arti	cles, to understand and explain the and arguments logically
	3rd	4th F	leading Heike mo	onogatari	1	Understand th the grammar the style of th	e evaluation of literary history and of ancient writing, and understand e work
	Quarter	5th F	leading Heike mo	onogatari	1	Understand th the grammar the style of th	e evaluation of literary history and of ancient writing, and understand e work
2nd Semeste		6th F	Reading Heike mo	onogatari		Understand pe	erson modeling and theme
r		7th F	Reading Heike mo	onogatari	1	Understand th the basics	e characteristics of the scene from
		8th F	Reading Heike mo	onogatari		Capture and e	valuate historical value
		9th F	Reading compreh amburger (Kouji	ension: The world Taki)	l is a	Read aloud an	d understand the composition
		10th F	Reading compreh lamburger (Kouji	ension: The world Taki)	d is a	Regarding arti understand th expression sty	cles, read aloud correctly, to e text composition according to the le.
	4th Quarter	11th F	Reading compreh amburger (Kouji	ension: The world	l is a	Answer textbo subject	ok questions and understand the
		12th F	Reading Serpentin	ne	1	Understand Au to read it loud	ncient Chinese grammar and be able correctly
		13th F	Reading Serpentin	neand Tang poet	ry a	To understand able to read it	Ancient Chinese grammar and be loud correctly

		14th	Reading Tang	g poetry		To und correc unders	derstand Ancient Chine tly. To be able to appr stand Ancient Chinese	ese text contents eciate and poetry rules.
		15th	Reading Tang	g poetry		To be able to appreciate and understand Ancient Chinese poetry rules and its influence in Japanese literature.		
		16th	End term exa	ams				
Evaluation Method and Weight (%)								
		Examin	ation	Quizes	Behavior		Other	Total
Subtotal		80		10	10		0	100
Basic Prof	iciency	80		10	10		0	100
Specialize Proficienc	d y	0		0	0		0	0
Cross Are Proficience	a y	0		0	0		0	0

Akashi College		ollege	Year	Year 2023		Cc T	ourse Title	History-1	
Course	Informa	tion							
Course Co	ode	5103			Course Catego	ry (General ,	/ Compulsory	
Class Forr	mat	Lecture			Credits		School C	redit: 1	
Departme	ent	Mechanica	al Engineering		Student Grade		1st		
Term		First Seme	ester		Classes per We	eek 2	2		
Textbook Teaching	and/or Materials	Shisekaish	ni B(Yamakawa)						
Instructor	r	ARAKAWA	Hironori						
Course	Objectiv	es							
1. Can co 2. Unders 3. Unders 4. Can co	mprehend stand the c stand and nsider cur	the principa connection be can explain J rent world ev	l events in the w etween historical apan's historical vents from a hist	vorld's modern his events and histor relationship with orical perspective	tory and their ti rical backgrounc other Asian cou	melines. ls. ntries.			
Rubric									
			Ideal Level		Standard Level			Unacceptable Level	
Achievem	ent 1		Fully comprehe events in the w history and the	end the principal vorld's modern ir timelines.	Generally comp principal event modern history timelines.	orehend s in the / and the	the world's eir	Do not fully comprehend the principal events in the world's modern history and their timelines.	
Achievem	ient 2		Fully understar between histor historical backg	nd the connection ical events and grounds.	Generally under connection bet events and hist backgrounds.	erstand t ween his torical	he storical	Do not understand the connection between historical events and historical backgrounds.	
Achievement 3			Fully understar explain Japan's relationship wit countries.	nd and can s historical th other Asian	Generally under explain Japan's relationship wit countries.	erstand a s historic th other	and can cal Asian	Do not fully understand and cannot explain Japan's historical relationship with other Asian countries.	
Achievem	ient 4		Fully understand and can consider current events in the world from a historical perspective		Generally under consider curre world from a h perspective.	erstand a ent event istorical	and can ts in the	Do not fully understand and cannot consider current events in the world from a historical perspective.	
Assigne	d Depar	tment Obi	ectives						
Teachin	Teaching Method								
Outline	9	Given that this cours	t we live in a mo e is to understar	dern society, und d the history of M	erstanding mod liddle East, Afric	ern histo a, Europ	pry is abs pe, and A	solutely imperative. The aim of Asia, including Japan, in the 19th	
Style		Classes w distributed are expect	ill be carried out as needed, but ted to self-study	be carried out using materials such as videos, and historical sources. Handouts, etc. w is needed, but students should have their textbooks and notebooks ready for each clas d to self-study, and independently think and learn from history.					
Notice		Students	who miss 1/3 or	vill not be eligibl	e for ev	aluation.			
Charact	eristics of	of Class / I	<u> Division in Le</u>	arning	-				
☑ Active	Learning		☑ Aided by IC	Т	Applicable to Remote		te Class	 Instructor Professionally Experienced 	
Course	Plan								
		Т	heme			Goals			
		1st I	nperialism			Can ex	plain imp	perialism.	
		2nd E	uropean coloniza ges	ation during and a	fter the Middle	Compre coloniza and aft	ehensive ation, inc er the M	ly understand European luding geographic facts, during iddle Ages.	
		3rd T	he Scramble for	Africa		Can exp Inciden African	plain the it, and th War, an	Scramble for Africa, the Fashoda eir impact. Can explain the South d its historical significance.	
		4th T	he Opium Wars,	the Arrow War		Can exp their in	plain the npact.	Opium Wars, the Arrow War, and	
	1st Quarter	5th T	he Taiping Rebe lovement	llion and the Self-	Strengthening	Can exp Strengt	plain the hening N	Taiping Rebellion, the Self- lovement, and their impact.	
1st Semeste		6th T R	he Sino-Japanes eform	e War / The Hund	lred Days of	Can exp Sino-Ja	plain the panese \	Hundred Days of Reform, the War, and their impact.	
r		7th T	he Russo-Japan evolution	ese War and the λ	(inhai	Can exp Japanes their im	plain the se War, a pact.	North China Incident, the Russo- and the Xinhai Revolution, and	
		A 8th H a	pplying for the " nternational Coo igh School Stude ssessed by essa	JICA Essay Conte peration for Junio ents" (Midterm gra ys/forms/notes. Li	st on r and Senior ades are ibrary Tour	Can exp governi Can boi College	plain inte ment org rrow boo Library.	ernational cooperation by ganizations. ks and documents from the	
		9th T B	he Franco-Germ ismarck's Foreig	an War / German n Policy	Unification /	Can exp and its	plain the impact.	process of German Unification	
	2nd Quarter	10th T	he Triple Allianc	e and Triple Enter	ite	Can explain the Triple Alliance, Triple Enter their impact.			
		11th B	alkan Peninsula	/ Ethnic Mosaic		Can explain the Sarajevo Incident and its historical significance.			

	12th	W n	/orld War I / inte ationalism	ntions of great p	owers and	Can explain World War I and its historical significance.			
	13th	Т	he May Fourth Me	ovement / First l	Jnited Front	Can explain the May Fourth Movement, the First United Front, and their impact.			
	14th	Т	he Manchurian In	icident / the Xi'ai	n Incident	Can explain the Northern Expedition, foundation of Manchukuo, Long March, and the Xi'an Incident, and their impact.			
15th			/hat can enginee evelopment / Pre	rs do for internat paring for the es	ional say contest	Understand and can explain matters related to international relationships, and the current state of international development, such as JICA.			
	16th Final exam								
Evaluation Method and Weight (%)									
	Examinati	on	Submissions	Mutual Evaluations between students	Behavior	Portfolio	Other	Total	
Subtotal	70		0	5	5	0	0	80	
Basic Proficiency	70		0	5	5	0	0	80	
Specialized Proficiency	0		0	0	0	0	0	0	
Cross Area Proficiency	0		0	0	0	0	0	0	

Course Code Status Course Code School Credit: 1 Class Format Lecture Credits School Credit: 1 Department Mechanical Engineering Student Grade 2 Term Second Semester Classes per Week 2 Term Second Semester Classes per Week 2 Term ARAKAW Hinsoni Classes per Week 2 Course Objectives	A	kashi Co	ollege	Year	Year 2023			ourse Title	History-2
Course Category General / Computation Course Format Mechanical Engineering Student Gradu 1st Course Control Second Samester Classe per Week 2 Textbook and/or Eaching Metrifierials Shiskalahi B(Yamakawa) Ist Ist Textbook and/or Eaching Metrifierials Shiskalahi B(Yamakawa) Ist Ist 1. Can comprehend the principal events in the world's modern history and their timelines. Understand the connection between historical relationship with other Asian countries. Ist 2. Understand the connection between historical relationship with other Asian countries. Ist Interventer world events find a historical besidence. Rubric Ideal Level Standard Level Cancerably interventer the principal events in the world's modern history and their timelines. Achievement 2 Fully understand net connection besidence. Connection besidence. Do not fully comparation the principal events in the world's modern and biotrical events and the concal events and the concal events and the concal events and the concal events and historical events and the concal events and the concal events and the concal events and the concal events and historical events and the concal events and historical events and the concal events and the concal events	Course	Information	tion				•		
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			13th	The establishme	ent and breakthrou	gh of the	Can ex	plain the	events of 1949, the Sino-Soviet

	14th 15th		Cultural Revolutic	n / Chinese econ	omic reform	Can explain the Revolution, Chi of Hong Kong,	Can explain the Great Leap Forward, Cultural Revolution, Chinese economic reform, Handover of Hong Kong, and their impact.			
			Modern history of Preparing for a st	the Korean Peni udy tour	nsula /	Can explain the Peninsula.	Can explain the modern history of the Korean Peninsula.			
		16th	Final exam							
Evaluati	on Me	thod and \	Weight (%)							
	E	Examination	Submissions	Mutual Evaluations between students	Behavior	Portfolio	Other	Total		
Subtotal	-	70	0	5	5	0	0	80		
Basic Proficiency	y -	70	0	5	5	0	0	80		
Specialized Proficiency	d y	D	0	0	0	0	0	0		
Cross Area Proficiency	a y (0	0	0	0	0	0	0		

Akashi College		Year	2023		Course Title	Mathematics I A-1				
Course	Informat	tion								
Course Co	ode	5105			Course Categor	y General	/ Compulsory			
Class Forr	nat	Lecture			Credits	School Credit: 2				
Departme	ent	Mechanica	al Engineering	Engineering Student Grade			e 1st			
Term		First Sem	ester		Classes per We	ek 4				
Teaching Materials Fundamental Mathematics (Dai Nihon Tosho)										
Instructor	•	ΤΑΚΑΤΑ Ι	sao							
Course	Objectiv	es								
1) To und 2) To und 3) To und	lerstand nu lerstand Eo lerstand ar	umbers and quation and nd functions	equations, and b inequality, and b and graphs, and	be able to calculate be able to solve th be able to use th	e them. em. em.					
Rubric			I							
			Ideal Level		Standard Level		Unacceptable Level			
1) Numbers and equations			equations, and calculate them	be able to	Can understand equations.	numbers and	Can not understand numbers and equations.			
2) Equation and inequality			Can understand inequality, and them.	d Equation and be able to solve	Can understand inequality.	Equation and	Can not understand Equation and inequality.			
3)Functio	ns and gra	phs	Can understand and graphs, an them.	d and functions Id be able to use	Can understand and graphs.	and functions	Can nt understand and functions and graphs.			
Assigne	d Depart	tment Obi	ectives							
Teachin	g Metho	d								
Outline	<u>j · · · · · · · ·</u>	The object	tive is to develop	o basic mathemat	ical formulas and	l logical thinking	g skills and acquire the			
Style		fundamer Students Students	itals of mathema are asked to pre will be asked to s	ntics necessary in pare for the class study in groups di	college. with video clips a uring class to che	according to the	e syllabus. f understanding.			
		Bilingual	classes may be o	ffered.						
Notice		Review yo Study ind CBT will b	our work before o ependently by us be given in one o	class. Do not leave sing problem colle f the weeks.	e anything you d ctions. will pot be oligible	o not understar	nd unanswered, but ask questions.			
Charact	eristics (of Class / I	Division in Le	arning	VIII HOL DE ElIGIDIE					
☑ Active	Learning		☑ Aided by ICT ☑ Applicable to		Remote Class	Instructor Professionally Experienced				
Course	Plan	₋	·			Carla				
			neme			Class Preparation. Also, can calculate a				
		1st N	lumbers and equ	lations		subtraction, and expressions.	d multiplication of integer			
		2nd N	lumbers and equ	lations		Can use expone formulas. Also,	ential laws and expansion can perform simple factorizations.			
		3rd N	lumbers and equ	lations		Can compute d higher order po theorem.	lyisors of integers. Also, can factor lynomials using the factor			
		4th N	lumbers and equ	lations		Can divide fract calculate addition fractional expre	tional expressions. Also, can on, multiplication, and division of essions.			
	1st Quarter	5th N	lumbers and equ	lations		Can understand numbers. Also, complex numbe subtraction, mu	I the meaning of real and absolute can understand the phases of ers and compute their addition, Iltiplication, and division.			
1st Semeste r		6th E	quations and ine	equalities		Can understand complex numbe can solve quade formulas.	the correspondence between ers and the complex plane. Also, ratic equations by using solution			
		7th E	quations and ine	equalities		The CBT test w Also, can under solutions and co quadratic equal	ill be used to check for retention. stand the relationship between pefficients and can factor any cion.			
		8th E	quations and ine	equalities		Can solve linea fractional equat	r equations. Also, can solve ions and irrational equations.			
9th Equations and inequalities			Can understand	l identities and partial fractional Also, can prove various equations.						
	2nd	10th E	quations and ine	equalities		Can solve first o quadratic inequ	order inequalities. Also, can solve alities.			
	Quarter	11th E	quations and ine	equalities		Can prove ineq and compute se	ualities. Also, can understand sets ets.			
		12th E	quations and ine	equalities		Can determine the number of sets. Also, can determine the truth or falsity of a proposition.				

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

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

		12th	Numbe	mber of cases				Can obtain the circular permutations. Also, can obtain simple combinations.			
	13th Number of cases d				Can obtain t obtain overla	ne various combina apping permutations	tions. Also, can s.				
		14th	th Number of cases Ca				Can understand and use the binomial theorem. Also, CBT (Headquarters) will be conducted.				
15th Basics			of probability			Can compute simple probabilities. Also can understand and calculate conditional probabilities.					
		16th	Exam				Confirmation	of the studies			
Evaluation	Meth	nod and N	Weight	eight (%)							
		Examinatio	'n	Comprehension Test	Review Teat	Assig	nments	Attendance points	Total		
Subtotal		25		20	25	15		15	100		
Basic Proficie	ency	25		20	25	15		15	100		
Specialized Proficiency		0		0	0	0		0	0		
Cross Area Proficiency		0		0	0	0		0	0		

Akashi College			ege		Year	2023		C	ourse Title	Mathematics	I B-1
Course	Inforn	natio	on								
Course Co	ode		5107				Course Categor	Ъ	General /	Compulsory	
Class Forr	mat		Lecture				Credits		School Cr	edit: 1	
Departme	ent		Mechanic	al Eng	gineering		Student Grade		1st		
Term			First Sem	ester			Classes per We	ek	2		
Textbook Teaching	and/or Materia	Is	高遠他:「	新基	基礎数学」大E	日本図書高遠他:「新	析 基礎数学 問題	題集」オ	害図本日才		
Instructor OMODA Yasuhiro											
Course	Object	tives	5								
To unders	stand ar	nd so	lve proble	ms re	elated to trig	onometric functio	ons, figures, equ	ations,	and sequ	ences.	
Rubric											
				Idea	al Level		Standard Level			Unacceptable Le	evel
1)Trigono	ometric	funct	ions	Can defin func prot	n fully unders inition of trig ction and co blems using ctions.	stand the gonometric mpetently solve trigonometric	Can understand trigonometric fu problems using functions.	d the d unctior trigon	efinition of and solve ometric	Can not underst definition of trig function or solve using trigonome	and the onometric problems etric functions.
Assigne	d Dep	artn	nent Ob	jectiv	ves		•			•	
Teachin	g Met	hod									
Outline	_		To learn	about	trigonomet	ric functions. Lear	n the fundamen	tals of	mathema	tics required in co	ollege.
Style			Lecture v	vith pr	roblem-solvi	ng.				·	5
Notice			Preparati	on and	d review of	the content learn	ed are indispens	able.			
Chavaat	o vi oti o		/ absenc		be excused	1. 					
Charact	eristic	S OF	Class /		sion in Lea	arning	1				ofoccionally
☑ Active	Learnin	ıg		☑ A	Aided by ICT	Г	☑ Applicable to	o Remo	ote Class	Experienced	oressionally
							•			•	
Course	Plan										
			-	Theme	е			Goals			
		1	st -	Triang	le ratio and	its application		Can ca	alculate the	e triangle ratio.	
		2	nd ⁻	Friang	le ratio and	its application		Can ca ratio.	alculate the	e obtuse angle tri	gonometric
		3	ord ⁻	Triangle ratio and its application				Can so theore	olve triang m.	e problem using t	the sine
	1st	4	th ⁻	Triangle ratio and its application				Can so theore	olve triang em.	e problem using t	the cosine
	Quarte	" <u> </u> 5	ith S	Summ	nary		Can calculate the value of an angle usir				
		6	th -	Trigonometric function				trigonometric functions.Can express angles the arc method.			e using the ss angles using
		7	'th ⁻	Trigonometric function				Can explain the interrelationship and nature trigonometric functions.			and nature of
1st Somosto		8	th ⁻	Trigon	ometric fun	ction		Can di	raw the gr	aph of a trigonom	etric function.
r		9	th ⁻	Frigon	ometric fun	ction		Can so inequa	olve the tri ality.	angular equation	and triangular
		1	0th S	Summ	nary			Can so learne	olve proble d.	ms related to the	content
		1	1th /	Additiv	ve theorem	and its application	۱	Can ca additiv	alculate tri ve theorem	gonometric ratio ι 1.	using the
	2nd Quarte	r 1	2th	Additiv	ve theorem	and its application	n	Can de etc. Ai	erive the for nd do calcu	ormula of the sum ulations using the	n of products, m.
		1	.3th /	Additiv	ve theorem	and its applicatior	<u>ו</u>	Can sy	nthesize t	rigonometric func	tions.
		1	4th	Additiv	ve theorem	and its application	n	Can so learne	olve proble d.	ms related to the	content
		1	.5th S	Summ	nary			Can so learne	d.	ms related to the	content
			.6th [r	none	L (0()						
Evaluati	ION ME	etho	a ana w	light	it (%)		1				
		Exam	nination	Pres	sentation	Mutual Evaluations between students	Behavior	Portf	olio	Other	Total
Subtotal		40		30		0	30	0		0	100
Basic Proficienc	y í	40		30		0	30	0		0	100
Specialize Proficienc	ed Sy	0		0		0	0	0		0	0
Cross Are	a	0		0		0	0	0		0	0

Akashi College				Year	Year 2023			Mathematics	I B-2		
Course	Inform	natio	on								
Course Co	ode		5108			Course Categor	y General /	Compulsory			
Class Forr	mat		Lecture			Credits	School Credit: 1				
Departme	ent		Mechanic	hical Engineering Student Grade			1st				
Term			Second S	emester		Classes per We	ek 2				
Teaching	and/or Materia	s	高遠他:「	新基礎数学」大	日本図書高遠他:「新	新 基礎数学 問題	夏集」大日本図書				
Instructor	r		OMODA Y	asuhiro							
Course	Object	ives	5								
To unders	stand an	id so	lve proble	ms related to tri	gonometric function	ons, figures, equ	ations, and sequ	ences.			
Rubric				1		1		1			
				Ideal Level		Standard Level		Unacceptable Le	evel		
1)Equatio	ons and g	grap	hs	Can fully unde relationship be and graphs, ar problems relat lines and quad	rstand the etween equations nd solve ed to straight ratic curves.	Can sufficiently relationship bet and graphs, ar problems relate lines and quadr	understand the ween equations d solve d to straight atic curves.	Can not underst relationship betw and graphs, or related to straig quadratic curves	and the ween equations solve problems ht lines and s.		
2)sequen	ces			Can fully unde	rstand and sum	Can understan	d and sum the	Can not underst	and and sum		
Acciano	d Don	ortn	nont Oh		III OF a sequence.	general term of	a sequence.	The general term	n or a sequence.		
Toochin	a Moth			ectives							
Teachin	ig meti	100	To learn :	bout trigonome	tric functions figu	res and their equ	lations and sea	uences Learn the	fundamentals		
Outline			of mathe	natics required i	n college.		ations, and seq	dences. Learn the	Tunuamentais		
Style			Lecture w	ith problem-solv	/ing.						
Notice			Preparati	on and review of	f the content learn d	ed are indispens	able.				
Charact	eristic	s of	Class /	Division in Le	arning						
	Logunin				T	- Applianhla ta	Domete Class	□ Instructor Pr	ofessionally		
☑ Active	Learnin	g			.1	Applicable to	Remote Class	Experienced	,		
6											
Course	Plan		1-	homo			Coole				
							Goals Can calculate th	e centroid of a tria	angle, and the		
		1	st F	oint and Straigh	t line		Interior division	point.			
		2	nd F	oint and Straigh	t line		Can calculate th	e line equation.			
		3	rd F	oint and Straigh	t line		Can calculate lir conditions of pa	ear equations sati rallel or Vertical lir	isfying the nes.		
	3rd	4	th S	Summary	ımmary			Can solve problems related to the content learned.			
	Quarte	r 5	ith (Juadratic curve o	circle		Can solve the circle equation.				
		6	ith (Juadratic curve o	circle		Can solve the ellipse equation and calculate approximate shape.				
		7	'th C	Juadratic curve o	circle		Can solve the parabolic equation and calculate t approximate shape, and the hyperbolic curve.				
		8	th (uadratic curve o	circle		Can calculate ta	ngent of a quadra	tic curve.		
Semeste		q	th () Juadratic curve (rircle		Can show the a	ea represented by	/ inequality		
r		1		Summary			(Coalition). Can solve proble	ems related to the	content		
		1	1th	Sequence			learned. Can calculate th	e general term of	an arithmetic		
	4+b	1	2th	Sequence			progression. Can calculate th	e general term of	an arithmetic		
	Quarte	r 🛓	2+6	aquenee			progression.				
		⊢	<u>.3tn </u>	equence			Can calculate th	e sum of various s	the recurrences.		
14th Sequence					formula and car induction.	prove it using ma	athematical				
15th Summary					Can solve proble learned.	ems related to the	content				
16th none											
Evaluation Method and Weight (%)											
Examination Presentation Students			Mutual								
		Exam	nination	Presentation	Evaluations between students	Behavior	Portfolio	Other	Total		
Subtotal		Exam 10	nination	Presentation 30	Evaluations between students 0	Behavior 30	Portfolio 0	Other 0	Total		

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

Akashi College		Year	2023		Course Title	Science I -1		
Course Informati	on							
Course Code	5109			Course Category	General ,	/ Compulsory		
Class Format	Lecture			Credits	School C	redit: 1		
Department	Mechanical I	Engineering		Student Grade	1st			
Term	First Semes	ter		Classes per Week	2			
Textbook and/or Teaching Materials	総合物理 1 -	カと運動・熱-(数研出版),新課程	リードa 物理基礎・	・物理 (数研出版	反)		
Instructor	TAKEUCHI N	Masahiro						
Course Objective	S							
 Understand the concept of significant figures and units, and handle them appropriately. Understand the concept of vector and component, and use them properly. Understand the concept of the dynamics of the physical quantity, and be able to explain those concepts and perform basic calculations. 								
Rubric								
	E	Excellent		Good		Insufficient		
Achievement 1	L s a	Understand the significant figur and handle the	e concept of es and units, m appropriately.	Can handle signif and units approp	icant figures riately.	Doesn't understand the concept of significant figures and units, and can't handle them appropriately.		
Achievement 2	l v t	Understand the vector and com hem properly.	concept of ponent, and use	Can use vector an properly.	nd component	Doesn't understand and can't use vector and component.		
Achievement 3	L c t t	Inderstand the lynamics of the quantity, and b hose concepts basic calculation	e concept of the e physical e able to explain and perform ns.	Understand the c dynamics of the p quantity.	oncept of the ohysical	Doesn't understand the concept of the dynamics of the physical quantity.		
Assigned Departr	ment Objec	ctives						
Teaching Method								
Outline	The student perseverant speed and a necessary to units. The si assignments and consequ caused by th equations in Next, the st a total revie The student thro student through the of all the dy they can wr	s are required and don't give cceleration, to b understand th tudents will leas (task prepara uence in physic he exercise of a dynamics 4. I udents will stull w of physical c s must pay att stand constant s will use simpl study of the la namic phenom ite the equatio	to acquire a trem e up. Dynamics 1 pics learned at ju ne trigonometric f rn how to study l tion research not cal phenomena. Fr a force and influe Dynamics 3: to ui dy energy conser quantities learned ention to the diffe t velocity circular e vibration as an aw of universal gr lena, represented ns, they can solve	rendous amount of : To understand the nior high school. To unctions. Also, will by themselves threase or example, acceled nced by mass. The nderstand torque vi- vation law and mo so far, the studen arences in power a motion through the instrument to lear avitational attraction by the equation of a it.	f knowledge o ne vector conc o explain the ll be guided to pugh daily tasl s 2: to underst eration (learne e students will which is a qua mentum cons ts will be prep and energy, th e study of two n about sound on by Newton f motion. To r	at a difficult topic, to be tept. The contents used here are components of a vector is handle significant figures and (s, such as self-learning, doing cand 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 bared to comprehend dynamics 4. at are easily confused. Dynamics ordimensional. As an application, d and light waves. Furthermore, the students will become aware nake the students perceive that if		
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 togethe 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 the support web page and videos. In the future, physical reversal classes will be abolished, so the student should focus on preparation for the classes from the beginning. Assignment: The students have to make a submit their "problem research note." The note contains explanations of the background and essence of e 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 styl 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 video and the web page task, etc. The students should understand the textbook from corner to corner, as a thin party external evaluation system. In addition to the teachers' commentary, extra handouts may be distrit as a reference. I can solve Ichi's problems! This fact and feeling will give confidence to the students in ot activities inside and outside the campus.								
Notice	Evaluation p Re-examina In junior hig of the giants animation m understandi you will bec	points: For spection: No retest tion: No retest s, are not only ay lead to errang of physical ome a sophisti	cific calculation m ing ents think about s inefficient but als oneous concepts (phenomena. By a cated technician v	etnods: https://sit 5 absences will something from ze o blaspheme. In th (simple concept) a cquiring the "style who is not misled b	tes.google.com be excused. Fro. Learners whe learning of and sometimes of thinking complexity misconcept	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 Learning								
☑ Active Learning			г	Applicable to F	Remote Class	Instructor Professionally Experienced		
Course Plan	I			ı				
	The	eme		G	oals			

		1st	Calculate sum difference of vector ((p6 - p13)	components	Can explain textb	ook's problems 2,3,4.	
		2nd	Vector subtraction and relative velo (p14 - p18)	ocity	Can explain textb	ook's problems 5,7,8.	
		3rd	and it's exercises (p19 - p25)		Can explain textbook's problems 11,12,13.		
	1st Quarter	4th	Gravity acceleration measurement ((experiment hand out)	experiment	Execute the experiment safely and submit the assignment in time.		
		5th	Powers and significant figures (p24	1-p244)	Can explain textbook's problems 21,22, 23		
		6th	Falling body motion and horizontal (p31-p36)	projection	Can explain textb	ook's problems 27, 28, 29	
1st		7th	Oblique projection (p37-p41)		Can explain textb	ook's problems 30, 31, 32	
Semeste		8th	Mid term exams		Correctly answer	more than 80 % of the test.	
1		9th	How to calculate the force and force p49)	e vector(p44-	Can explain textbook's problems 40, 41, 44, 45		
		10th	Force balance and Force action / re p55)	action (p50-	Can explain textb	ook's problems 40,41, 46, 47,49	
		11th	Equation of motion (p61-p70)		Can explain textb	ook's problems 56,58,59,60	
	2nd	12th	Friction force (p71-p74)		Can explain textbook's problems 64,65,66		
	Quarter	13th	Atmospheric pressure and water pr p77)	essure (p75-	Can explain textbook's problems 68, 69		
		14th	Buoyancy and air resistance (p78-p	80)	Can explain textbook's problems 70,71		
		15th	Exercises		Can explain textbook's problems 67,61,62		
		16th	End term exams		Correctly answer	more than 80 % of the test.	
Evaluati	ion Meth	od and V	Veight (%)				
			Examination	Non-test evalu	ation	Total	
Subtotal			40	60		100	
Basic Proficiency			40	60		100	
Specialized Proficiency			0	0		0	
Cross Are	a Proficien	су	0	0		0	

Course Information Course Code 5110 Course Category General / Compulsory Class Format Lecture Credits School Credit: 1 Department Mechanical Engineering Student Grade 1st Term Second Semester Classes per Week 2 Textbook and/or Teaching Materials 國友正和ほか著 総合物理 1 -カと運動・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 Instructor Instructor TAKEUCHI Masahiro Course Objectives 1. Understand the concept of significant figures and units, and handle them appropriately. 2. Understand the concept of vector and component, and use them properly. 3. Understand the concept of the dynamics of the physical quantity, and be able to explain those concepts and perform calculations	版) basic					
Course Code5110Course CategoryGeneral / CompulsoryClass FormatLectureCreditsSchool Credit: 1DepartmentMechanical EngineeringStudent Grade1stTermSecond SemesterClasses per Week2Textbook and/or Teaching Materials國友正和ほか著 総合物理 1 -カと運動・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 InstructorInstructorInstructorTAKEUCHI MasahiroCourse Objectives1. Understand the concept of significant figures and units, and handle them appropriately. 2. Understand the concept of vector and component, and use them properly. 3. Understand the concept of the dynamics of the physical quantity, and be able to explain those concepts and perform calculations	版) basic					
Class Format Lecture Credits School Credit: 1 Department Mechanical Engineering Student Grade 1st Term Second Semester Classes per Week 2 Textbook and/or Teaching Materials 國友正和ほか著 総合物理 1 -カと運動・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 Instructor TAKEUCHI Masahiro Course Objectives 1. Understand the concept of significant figures and units, and handle them appropriately. 2. Understand the concept of vector and component, and use them properly. 3. Understand the concept of the dynamics of the physical quantity, and be able to explain those concepts and perform calculations	版) basic					
DepartmentMechanical EngineeringStudent Grade1stTermSecond SemesterClasses per Week2Textbook and/or Teaching Materials國友正和ほか著 総合物理 1 -カと運動・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 InstructorInstructorTAKEUCHI MasahiroCourse Objectives1. Understand the concept of significant figures and units, and handle them appropriately. 2. Understand the concept of vector and component, and use them properly. 3. Understand the concept of the dynamics of the physical quantity, and be able to explain those concepts and perform calculations	版) basic					
TermSecond SemesterClasses per Week2Textbook and/or Teaching Materials國友正和ほか著 総合物理 1 -カと運動・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 InstructorInstructorTAKEUCHI MasahiroCourse Objectives1. Understand the concept of significant figures and units, and handle them appropriately. 2. Understand the concept of vector and component, and use them properly. 	版) basic					
Textbook and/or Teaching Materials 國友正和ほか著総合物理1-カと運動・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 Instructor Instructor TAKEUCHI Masahiro Course Objectives 1. 1. Understand the concept of significant figures and units, and handle them appropriately. 2. 2. Understand the concept of vector and component, and use them properly. 3. 3. Understand the concept of the dynamics of the physical quantity, and be able to explain those concepts and perform calculations	版) basic					
Instructor TAKEUCHI Masahiro Course Objectives 1. Understand the concept of significant figures and units, and handle them appropriately. 2. Understand the concept of vector and component, and use them properly. 3. Understand the concept of the dynamics of the physical quantity, and be able to explain those concepts and perform calculations	basic					
Course Objectives 1. Understand the concept of significant figures and units, and handle them appropriately. 2. Understand the concept of vector and component, and use them properly. 3. Understand the concept of the dynamics of the physical quantity, and be able to explain those concepts and perform calculations.	basic					
 Understand the concept of significant figures and units, and handle them appropriately. Understand the concept of vector and component, and use them properly. Understand the concept of the dynamics of the physical quantity, and be able to explain those concepts and perform calculations. 	basic					
Rubric						
Excellent Good Insufficient						
Achievement 1Understand the concept of significant figures and units, and handle them appropriately.Can handle significant figures and units appropriately.Doesn't understand of significant figures and units appropriately.	the concept and units, em					
Achievement 2Understand the concept of vector and component, and use them properly.Can use vector and component properly.Doesn't understand use vector and component use vector and component	and can't ponent.					
Achievement 3Understand the concept of the dynamics of the physical quantity, and be able to explain those concepts and perform 	the concept he physical					
Assigned Department Objectives						
Teaching Method						
The students are required to acquire a tremendous amount of knowledge out a difficult topic, to b perseverant and don't give up. Dynamics 1: To understand the vector concept. The contents use speed and acceleration, topics learned at junior high school. To explain the components of a vector necessary to understand the trigonometric functions. Also, will be guided to handle significant figu 	e d here are r is res and g, doing een cause e result, rements rer principle. conducting ynamics 4. Dynamics pplication, hermore, ome aware ceive that if					
StyleDuring 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 and 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 o 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 distribute as a reference. I can solve Ichi's problems! This fact and feeling will give confidence to the students in other activities inside and outside the campus						
Evaluation points: For specific calculation methods: https://sites.google.com/s.akashi.ac.jp/physic 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 th Notice of the giants, are not only inefficient but also blaspheme. In the learning of physics, images from 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 predeces you will become a sophisticated technician who is not misled by misconceptions and pseudoscience	s/ e shoulder comics and sor physics, re!					
Characteristics of Class / Division in Learning						
Active Learning Aided by ICT Applicable to Remote Class	sionally					
Course Plan						

		1st	Assignment test and force moment	(p81-p85)	Can explain textb	ook's problems 80,81,82	
		2nd	Combined force and center of gravi rigid body (p86-p89)	ty acting on a	Can explain textb	ook's problems 83,84,85, 86	
		3rd	Rigid body tilt and fall (p90-p93)		Can explain textb	ook's problems 87,88,89	
	3rd	4th	Work and power (p94-p99)		Can explain textb	ook's problems 94, 95, 96, 97	
	Quarter	5th	Kinetic energy and potential (p100-	p106)	Can explain textb 103	ook's problems 100, 101, 102,	
		6th	Preservation of mechanical energy	(p107-p112)	Can explain textb	ook's problems 104,105	
		7th	Exercises		Can explain textb	ook's problems 106,107	
2nd		8th	Mid term exams		Correctly answer	more than 80 % of the test.	
r		9th	Momentum conservation law (p118	-p123)	Can explain textbook's problems 114,116,117		
		10th	Collision on the plane and coefficier (p124-p132)	nt of restitution	Can explain textb	ook's problems 120, 121, 122	
		11th	Collision energy (p133-p134)		Can explain textbook's problems 123,124, 125		
	4th Ouarter	12th	Constant velocity circular motion (p	136-p141)	To explain in order the six formulas and the textbook's problems 131, 132, 133, 134		
		13th	Inertial force (p142-p145)		Can explain textb	ook's problems 139, 137, 138	
		14th	Centrifugal force (p146-p150)		Can explain textb	ook's problems 139, 140, 141	
		15th	Exercises		Can explain textb	ook's problems 142, 143, 135	
		16th	End term exams		Correctly answer	more than 80 % of the test.	
Evaluation Method and W			Veight (%)				
			Examination	other		Total	
Subtotal			40	40 60		100	
Basic Proficiency			40	60		100	

A	Akashi Co	ollege		Year	2023		C	ourse Title	Physical Education I-1
Course	Informa	tion							
Course Co	ode	5111				Course Categor	γ	General	/ Compulsory
Class For	mat	講義・実	技			Credits		School C	redit: 1
Departme	ent	Mechani	cal E	ngineering		Student Grade		1st	
Term		First Ser	neste	er		Classes per We	ek	2	
Textbook Teaching	and/or Materials								
Instructo	r	GOTOH .	Taka	yuki,KOBAYA	SHI Yuki				
Course	Objectiv	/es							
 Particip Can ta take the 	pate in cla ke action I necessary	sses to imp to conduct s action to do	rove sport o so.	students' ow s safely. Also	n health and phys , recognizes the s	sical strength. Alsi ignificance of col	so, hav Ilaborai	ve some le ting and o	evel of self-discipline. cooperating with the team and can
Rubric									
			Id	leal Level		Standard Level			Unacceptable Level
Achievem	nent 1		Ac in pl	ctively particip pprove their h nysical streng vel of self-dis	pate in classes to health and th. Have a high cipline.	Participate in cl their health and strength. Have self-discipline.	asses t d physi some	to improv cal level of	e Reluctant to participate in classes, or improve their own health and physical strength. Do not have a high level of self- discipline.
Achievement 2			Ac sp ar a	ctively particip port practices re very compe great influence	bate in various and games, and etitive. Also have ce on games, etc.	Can actively pa various sport pa games. And als for them.	rticipat ractices to have	e in s and the skills	Do not participate in various sport practices and games.
Achievement 3			Ur we te	nderstand the ell, and can h amwork.	e role of a leader elp 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	ed Depar	tment Ob	oject	tives		•			
Teachir	na Metho	bd							
Outline The goal of this course is for students to learn more about the fun and depth of sports so that they can bui Students will split into groups and leaders will take the lead to plan, review, and implement the course content. Students can choose from: Baseball, softball, soccer, futsal, tennis, basketball, volleyball, badmint table tennis								h of sports so that they can build l proactive attitude to participate. and implement the course , basketball, volleyball, badminton,	
Style		Students they sho expected practice.	s are ould le d to c . Stuc	encouraged t earn the rules develop more dents and ins	to actively particips and how to play advanced techno tructors should we	bate in games an games, etc., an logies and impro ork together to c	nd prac d try to ove tea create a	tice and t b learn ba mwork th a safe and	o discover the fun of sports. First, isic skills. In addition, they are rough games and game-style d welcoming class.
Notice		Wear them, po Do no grade de Tardir but their If it is that clas absence Studer	scho bints bt we educt ness atte disc s wil nts w	school-designated training wear, athletic shoes, or other designated clothing. If students fail to ints will be deducted from their grade. t wear or bring accessories, watches, or any other unnecessary items. These are also eligible fo duction. ess will be excused for the first 20 minutes. Students can participate in the class after 20 minut attendance will be marked as absent. discovered that a student left class early without being excused (ditching class), their attendance s will be marked as absent, and their grade for previous classes will suffer a deduction equal to the who miss 1/4 or more of classes will not be eligible for evaluation.					d clothing. If students fail to wear ms. These are also eligible for te in the class after 20 minutes, itching class), their attendance for l suffer a deduction equal to an n.
Charact	eristics	of Class /	Div	vision in Lea	arning	U			
🛛 Active	Learning			Aided by IC	T	☑ Applicable to	o Remo	ote Class	 Instructor Professionally Experienced
Course	Plan						a :		
		1st	Ther Guid	ne lance			Goals Unders course	stand the	purposes and objectives of this weldge that warm-ups are
		2nd	Guid	lance			Unders course	stand the stand the . Reackno	purposes and objectives of this owledge that warm-ups are felv exercise
		3rd	Base bask	eball, softball, etball, volley	soccer, futsal, ter ball, badminton, t	nnis, able tennis	Can do reflect	o warm-u on the cl	p and practice, play games, and ass, led by a leader.
1st	1st Quarter	4th	Base bask	eball, softball, etball, volley	soccer, futsal, ter ball, badminton, t	nnis, able tennis	Can do reflect	o warm-u on the cl	p and practice, play games, and ass, led by a leader.
r r	-	5th	Base bask	eball, softball, etball, volleyl	soccer, futsal, ter ball, badminton, t	nnis, able tennis	Can do reflect	o warm-u on the cl	p and practice, play games, and ass, led by a leader.
		6th	Base bask	eball, softball, etball, volleyl	soccer, futsal, ter ball, badminton, t	nnis, able tennis	Can do reflect	o warm-u on the cl	p and practice, play games, and ass, led by a leader.
		7th	Base bask	eball, softball, etball, volleyl	soccer, futsal, ter ball, badminton, t	nnis, able tennis	Can do reflect	o warm-u on the cl	p and practice, play games, and ass, led by a leader.
		8th	Base bask	eball, softball, etball, volley	soccer, futsal, ter ball, badminton, t	nnis, able tennis	Can do reflect	o warm-u on the cl	p and practice, play games, and ass, led by a leader.
	2nd Quarter	9th	Base bask	eball, softball, etball, vollevi	soccer, futsal, ter ball, badminton, t	nnis, able tennis	Split into teams in each sport and select a leader.		

		10th	Baseball, softball, so basketball, volleyball	ccer, futsal, tennis, , badminton, table tennis	Can do warm-up and reflect on the class, le	practice, play games, and d by a leader.		
		11th	Baseball, softball, so basketball, volleyball	ccer, futsal, tennis, , badminton, table tennis	Can do warm-up and reflect on the class, le	practice, play games, and d by a leader.		
		12th	Baseball, softball, so basketball, volleyball	ccer, futsal, tennis, , badminton, table tennis	Can do warm-up and reflect on the class, le	Can do warm-up and practice, play games, and reflect on the class, led by a leader.		
		13th	Baseball, softball, so basketball, volleyball	3aseball, softball, soccer, futsal, tennis, pasketball, volleyball, badminton, table tennis reflect on the class, led by a leader.				
		14th	Baseball, softball, so basketball, volleyball	ccer, futsal, tennis, , badminton, table tennis	Can do warm-up and reflect on the class, le	Can do warm-up and practice, play games, and reflect on the class, led by a leader.		
		15th	Baseball, softball, so basketball, volleyball	ccer, futsal, tennis, , badminton, table tennis	Can do warm-up and reflect on the class, le	practice, play games, and d by a leader.		
		16th	No final exam					
Evaluati	on Meth	od an	id Weight (%)					
Ar			Approach to a class	Practical skill	Leadership	Total		
Subtotal	Subtotal 75		75	15	10	100		
Basic Proficiency 75		75	0	0	75			
Specialized Proficiency 0		0	0	0	0			
Cross Area Proficiency			0	15	10	25		

А	kashi Co	ollege	Year	2023		Course Title	Physical Education I-2		
Course	Informa	tion							
Course Co	ode	5112			Course Category	/ General /	Compulsory		
Class For	mat	講義・実技	支		Credits	School C	redit: 1		
Departme	ent	Mechanic	al Engineering		Student Grade	1st			
Term		Second S	emester		Classes per Wee	ek 2			
Textbook Teaching	and/or Materials				•				
Instructo	r	GOTOH T	akayuki,ISHIDA	Masami					
Course	Objectiv	es							
 Particip Can ta take the r 	bate in clas ke action t necessary	sses to impro to conduct sp action to do	ove students' ow ports safely. Also so.	n health and phys , recognizes the s	ical strength. Als ignificance of coll	o, have some le aborating and o	evel of self-discipline. cooperating with the team and can		
Rubric									
			Ideal Level		Standard Level		Unacceptable Level		
Achievem	ient 1		Actively partici improve their l physical streng level of self-dis	pate in classes to nealth and th. Have a high scipline.	Participate in cla their health and strength. Have s self-discipline.	asses to improv physical some level of	e Reluctant to participate in classes, or improve their own health and physical strength. Do not have a high level of self- discipline.		
Achievement 2			Actively partici sport practices are very comp a great influen	pate in various and games, and etitive. Also have ce on games, etc.	Can actively par various sport pro games. And also for them.	ticipate in actices and have the skills	Do not participate in various sport practices and games.		
Achievement 3			Understand the well, and can h teamwork.	e role of a leader nelp 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	Assigned Department Objectives								
Teachin	ig Metho	d							
Outline The goal of this course is for students to learn more about the fun and depth of sports so that they can be the habit of playing sports on a daily basis. This class requires an active and proactive attitude to particip Students will split into groups and leaders will take the lead to plan, review, and implement the course content. Students can choose from: Baseball, softball, soccer, futsal, tennis, basketball, volleyball, badm table tennis						h of sports so that they can build proactive attitude to participate. and implement the course basketball, volleyball, badminton,			
Style		Students they shou expected practice.	are encouraged Ild learn the rule to develop more Students and ins	to actively particip s and how to play advanced techno tructors should we	bate in games and games, etc., and logies and improv ork together to cr	d practice and t I try to learn ba ve teamwork th reate a safe and	o discover the fun of sports. First, sic skills. In addition, they are rough games and game-style welcoming class.		
Notice		Wear s them, po Do not grade dec Tardin but their If it is that class absence. Studen	school-designated training wear, athletic shoes, or other designated clothing. If students fail to v ints will be deducted from their grade. t wear or bring accessories, watches, or any other unnecessary items. These are also eligible for duction. ess will be excused for the first 20 minutes. Students can participate in the class after 20 minute attendance will be marked as absent. discovered that a student left class early without being excused (ditching class), their attendance s will be marked as absent, and their grade for previous classes will suffer a deduction equal to a nts who miss 1/4 or more of classes will not be eligible for evaluation.						
Charact	eristics o	of Class /	Division in Le	arning					
🛛 Active	Learning		□ Aided by IC	ст	☑ Applicable to	Remote Class	 Instructor Professionally Experienced 		
Course	Plan	_	-h o mo o		I.	Capia			
]	neme	COCCOR futeral to		JOBIS			
		1st	asketball, softball, basketball, volley	ball, badminton, t	able tennis	Split into teams	in each sport and select a leader.		
		2nd	Department of Nu	ursing)		opportunity to r	econsider their future lifestyles.		
		3rd	asketball, softball, basketball, volley	ball, badminton, t	able tennis r	eflect on the cl	p and practice, play games, and ass, led by a leader.		
	3rd	4th t	Baseball, softball, basketball, volley	ball, badminton, t	able tennis r	Can do warm-u reflect on the cl	p and practice, play games, and ass, led by a leader.		
2nd Semosto	Quarter	5th t	Baseball, softball, Dasketball, volley	, soccer, futsal, te ball, badminton, t	nnis, (able tennis r	Can do warm-u reflect on the cl	p and practice, play games, and ass, led by a leader.		
r		6th t	Baseball, softball, basketball, volley	, soccer, futsal, te ball, badminton, t	nnis, (able tennis r	Can do warm-u reflect on the cl	p and practice, play games, and ass, led by a leader.		
		7th E	Baseball, softball, basketball, volley	, soccer, futsal, te ball, badminton, t	nnis, (able tennis r	Can do warm-u reflect on the cl	p and practice, play games, and ass, led by a leader.		
		8th E	Baseball, softball, basketball, volley	, soccer, futsal, te ball, badminton, t	nnis, (able tennis r	Can do warm-up and practice, play games, and reflect on the class, led by a leader.			
	4th	9th E	Baseball, softball, basketball, volley	, soccer, futsal, te ball, badminton, t	nnis, able tennis	Split into teams	in each sport and select a leader.		
Quarter		10th E	Baseball, softball, basketball, volley	, soccer, futsal, te ball, badminton, t	nnis, (able tennis r	Can do warm-up and practice, play games, and reflect on the class, led by a leader.			

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

А	kashi Co	ollege		Year	2023		C	ourse Title	English I A-1
Course	Informat	tion							
Course Co	ode	5113				Course Catego	ry	General /	/ Compulsory
Class For	mat	Lecture				Credits		School C	redit: 1
Departme	ent	Mechani	cal E	Ingineering		Student Grade		1st	
Term	-	First Ser	nest	er		Classes per We	ek	2	
Textbook	and/or Materials	New Ray	ys Er	nglish Commu	nication I / New R	ays WORKBOO	K	_	
Instructor	r		O Hi	romi					
Courso	Objectiv	00	0 111						
1) To rovi	iow the ve	cobulory lo	arno	d at junior bio	h school pequiro	now vocabular		ving the h	igh school loorning guidelines, and
use it app 2) To revi study guid 3) To revi appropria 4) Can re 5) To acq	bew the vor propriately. iew the gra delines. iew senten tely, follow ad sentend uire Englis	ces structu ving the hig es written h pronunci	rned ures gh sc in E atior	at junior high learned in juni chool learning nglish, unders n skills and acc	school, acquire school, and learn ior high school, ar guidelines. tand the text outl cent rules so that	to use grammand learn to use ine, read and earn the student car	ar rules senteno xtract r n speak	appropri ce structu necessary clearly ar	ately, according to the high school res and operate them information. nd communicate to the listener.
Rubric									
			Ic	deal Level		Standard Leve	I		Unacceptable Level
				he student ha	s well acquired	The student ha	as acqu	ired new	The student has not acquired
Achievement 1			n hi ai	ew vocabulary igh school lear nd use it appr	following the rning guidelines opriately.	vocabulary foll school learning use it appropri	owing t guidel ately.	the high lines and	new vocabulary following the high school learning guidelines and use it appropriately.
Achievement 2			T u: aj h	he student has se grammar ri ppropriately, a igh school stud	s well learned to ules according to the dy guidelines.	The student ha grammar rules according to th study guideline	as learr approp ne high es.	ned to use priately, school	The student has not learned to use grammar rules appropriately, according to the high school study guidelines.
Achievement 3			T u: o fc le	he student has se sentence st perate them a blowing the hi earning guideli	s well learned to ructures and ppropriately, gh school nes.	The student has sentence struc them appropria the high schoo guidelines.	as learr tures a ately, fo I learni	ned to use nd operat ollowing ng	The student has not learned to use sentence structures and operate them appropriately, following the high school learning guidelines.
Achievement 4				he student can entences writt nderstand the ead and extrac nformation.	n well read en in English, text outline, ct necessary	The student can read sentences written in English, understand the text outline, read and extract necessary information.			s The student can not read sentences written in English, understand the text outline, read and extract necessary information.
Achievem	ient 5		T E a Ca Ca	The student han nglish pronunc ccent rules so an speak clear ommunicate to	as well acquired ciation skills and that the student ly and o the listener.	The student has acquired English pronunciation skills and accent rules so that the student can speak clearly and communicate to the listener.			The student has not acquired English pronunciation skills and accent rules so that the student can speak clearly and communicate to the listener.
Assiane	d Depart	tment Ol	oiec	tives					
Teachin	a Metho	d							
Outline		Based o acquire	n the read	e junior high s ing skills. To a rengthen vocal	chool learned con cquire the ability	tent, to underst to listen and ex	tand th press s	e basic sti simple Eng	ructure of English sentences and glish sentences. To perform word
Style		Attend t Handout	he cl	lasses, prepare be provided in	e for the classes s n the first week.	tudying the rele Go over the har	evant s ndout a	ections of Ind unders	the workbook. stand it in detail.
Notice		Use quiz Students	zzes s wh	to increase stu o miss 1/4 or	udent vocabulary more of classes w	and develop list vill not be eligib	ening a le for e	ability. valuation.	
Charact	eristics o	of Class /	′ Div	vision in Lea	arning				
Active	Learning	•		Aided by IC	T	☑ Applicable t	o Rem	ote Class	Instructor Professionally Experienced
Course	Plan								
			The	me			Goals		
		1st	Cou (Cou	rse guidance urse progress	method, learnina	method, etc.)	Under	stand cou	rse content and assignments.
		2nd	Cha	pter 1 Part 1/2	2		Based	on the co stand Eng	ontent learned in junior high school lish language basic structure.
		3rd	Cha	pter 1 Part 2/3	3		Based	on the co stand Eng	ontent learned in junior high school lish language basic structure.
1st	1st	4th	Cha Lang	pter 1 Part 4 guage and Cul	ture Workshop		Under	standing f gh authen	the cross-cultural communication tic materials.
r	Quarter	5th	Cha	pter 2 Part 1/2	2		Based	on the co stand Eng	ntent learned in junior high school lish language basic structure.
		6th	Cha	pter 2 Part 2/3	3		Based	on the co stand Eng	ntent learned in junior high school lish language basic structure.
		7th	Cha Lang	pter 2 Part 4 guage and Cul	ture Workshop		Under throug	standing t gh authen	the cross-cultural communication tic materials.
		8th	Cha	pter 3 Part 1/2	2		Learn the vocabulary and grammar rules set lesson tasks.		

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

A	kashi Co	ollege		Year	2023		C	ourse Title	English I A-2
Course	Informat	tion		•					
Course Co	ode	5114				Course Catego	ry	General /	Compulsory
Class For	mat	Lecture				Credits		School Ci	redit: 1
Departme	ent	Mechan	ical E	Engineering		Student Grade		1st	
Term		Second	Sem	lester		Classes per We	ek	2	
Textbook Teaching	and/or Materials	New Ra	ys Er	nglish Commu	nication I / New F	Rays WORKBOO	К		
Instructor	-	AKIMO	TO Hi	iromi					
Course	Obiectiv	es							
1) To revi use it app 2) To revi study gui 3) To revi appropria 4) Can re 5) To acq	iew the vo propriately. iew the gra delines. iew senten tely, follow ad sentend uire Englis	cabulary lea ammar lea lices struct ving the hi ces writter h pronunc	earne irned ures gh so in E iatior	ed at junior hig l at junior high learned in jun chool learning inglish, unders n skills and acc	th school, acquire school, and learr ior high school, an guidelines. tand the text out cent rules so that	new vocabulary n to use gramma nd learn to use s line, read and ex the student car	y follow ar rules sentene ktract r speak	ving the hi s appropria ce structur necessary clearly ar	gh school learning guidelines, and ately, according to the high school res and operate them information. Id communicate to the listener.
Rubric						1			
			I	deal Level		Standard Leve			Unacceptable Level
Achievement 1			T n h a	The student ha new vocabulary nigh school lean nd use it appr	s well acquired / following the rning guidelines opriately.	The student ha vocabulary foll school learning use it appropri	is acqu owing t guidel ately.	ired new the high lines and	The student has not acquired new vocabulary following the high school learning guidelines and use it appropriately.
Achievement 2			T u a h	The student ha use grammar ru uppropriately, a uigh school stu	s well learned to ules according to the dy guidelines.	The student ha grammar rules according to th study guideline	as learr appropie high s.	ned to use priately, school	The student has not learned to use grammar rules appropriately, according to the high school study guidelines.
Achievement 3			T u o fc le	The student ha lise sentence st operate them a ollowing the hi earning guideli	s well learned to tructures and ppropriately, gh school nes.	The student ha sentence struc them appropria the high schoo guidelines.	as learr tures a ately, fo l learni	ned to use nd operat ollowing ng	The student has not learned to e use sentence structures and operate them appropriately, following the high school learning guidelines.
Achievement 4			T s u re ir	he student can entences writt inderstand the ead and extrac nformation.	n well read en in English, text outline, ct necessary	The student ca written in Engl the text outline extract necess	n read ish, un e, read ary info	sentences derstand and ormation.	The student can not read sentences written in English, understand the text outline, read and extract necessary information.
Achievem	ent 5		E a c	The student ha inglish pronun iccent rules so ian speak clear iommunicate to	tudent has well acquired The student ha n pronunciation skills and rules so that the student eak clearly and can speak clearl unicate to the listener. communicate to		as acquiciation that that that that the that the the the the the the the the the th	uired skills and he student istener.	The student has not acquired English pronunciation skills and accent rules so that the student can speak clearly and communicate to the listener.
Assiane	d Depar	tment O	biec	tives					
Teachin	a Metho	d	~						
Outline	g netho	Based of acquire	on the read	e junior high s ling skills. To a	chool learned con acquire the ability	itent, to underst to listen and ex	and th	e basic str simple Eng	ucture of English sentences and lish sentences. To perform word
Style		tests ar Attend	id str the c	trengthen vocabulary knowledge.					
/-				to increase st	dont vocabulany	Go over the har		na unaers	
Notice		Student	s wh	to miss 1/4 or	more of classes v	vill not be eligibl	e for e	valuation.	
Charact	eristics o	of Class	/ Div	vision in Lea	arning				
Active	Learning			Aided by IC	T	☑ Applicable t	o Rem	ote Class	Instructor Professionally Experienced
Course	Plan								
			The	me			Goals		
		1st	Go	over the previo	ous lessons		To ove	ercome we	eak points
		2nd	Cha	pter 5 Part 1/2	2		Learn lesson	the vocab tasks.	ulary and grammar rules set as
		3rd	Cha	pter 5 Part 2/3	3		Learn lesson	the vocab tasks.	ulary and grammar rules set as
	ard	4th	Cha Lan	pter 5 Part 4 guage and Cul	lture Workshop		Under throug	standing t gh authent	he cross-cultural communication ic materials.
2nd Semeste	Quarter	5th	Cha	pter 6 Part 1/2	2		Learn lesson	the vocab tasks.	ulary and grammar rules set as
r		6th	Cha	pter 6 Part 2/	3		Learn lesson	the vocab tasks.	ulary and grammar rules set as
		7th	Cha Lan	pter 6 Part 4 guage and Cul	lture Workshop		Under throug	standing t gh authent	he cross-cultural communication ic materials.
		8th	Cha	pter 7 Part 1/2		Under throug	standing t gh authent	he cross-cultural communication ic materials.	
	4th Quarter	9th	Cha	pter 7 Part 2/	3		Learn the vocabulary and grammar rules set as lesson tasks.		

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

A	Akashi College		Year	•	2023		C	course Title	English I B-1	
Course	Information	tion								
Course Co	ode	5115				Course Catego	ry	General	/ Compulsory	
Class For	mat	Lecture				Credits		School C	redit: 1	
Departme	ent	Mechanic	al Engineerin	g		Student Grade		1st		
Term		First Sen	nester			Classes per We	ek	2		
Textbook Teaching	and/or Materials	(1) 総合芽	英語 Evergreer	า (ชื่	参考書、教科書、Wo	orkbook) (2) テ	ータベ	ニース 5th I	Edition (3) ネクステージ	
Instructor	r	KITAGAV	VA Chiho							
Course	Objectiv	es								
1) To reviuse it app 2) To revistudy guid 3) To reviappropria 4) To acq	iew the vo propriately. iew the gra delines. iew senten tely, follow uire Englis	cabulary lea ammar lear lices structu ving the hig h pronuncia	nrned at junio ned at junior res learned in h school learr ition skills and	r hig hig jur ning d ac	gh school, acquire n school, and learr ior high school, an guidelines. cent rules so that	new vocabulary n to use gramma nd learn to use s the student can	r follov ar rules senten speak	ving the h s appropri ce structu <u>: clearly ar</u>	igh school learning guidelines, and ately, according to the high school res and operate them nd communicate to the listener.	
Rubric										
			Ideal Level			Standard Level		· .		
Achievem	ient 1		The studen new vocab high school and use it a	it ha ular I lea appi	is well acquired y following the rning guidelines opriately.	The student ha vocabulary follo school learning use it appropria	s acqu owing guide ately.	lired new the high lines and	The student has not acquired new vocabulary following the high school learning guidelines and use it appropriately.	
Achievement 2			The studen use gramm appropriate high school	it ha iar r ely, I stu	is well learned to rules according to the dy guidelines.	The student ha grammar rules according to th study guideline	s learr appro e high s.	ned to use priately, school	The student has not learned to use grammar rules appropriately, according to the high school study guidelines.	
Achievement 3			The studen use senten operate the following the learning gu	it ha ce s em a ne h iidel	is well learned to tructures and appropriately, igh school ines.	The student has learned to use sentence structures and operate them appropriately, following the high school learning quidelines.			The student has not learned to use sentence structures and operate them appropriately, following the high school learning guidelines.	
Achievem	ient 4		The studen English pro accent rule can speak communica	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 acquired English pronunciation skills and accent rules so that the student can speak clearly and communicate to the listener			The student has not acquired English pronunciation skills and accent rules so that the student can speak clearly and communicate to the listener.			
Assigne	Assigned Department Objectives									
Teachin	Teaching Method									
Outline		Based or acquire t vocabula	the junior hi he ability to li ry knowledge	gh s ster	school learned con and express sim	tent, to underst ple English sente	and th ences.	e basic st To perfor	ructure of English sentences. To m word tests and strengthen	
Style		Attend th	e classes, pre	ера	e for the classes s	studying the rele	evant s	ections of	the workbook.	
Notice		Use quiz	zes to increas	e st	udent vocabulary	and develop list	ening a	ability. Stu	idents who miss 1/4 or more of	
Charact	orieties		<u>III not be elig</u>		for evaluation.					
Charact				Le	arning	1				
Active	Learning		☑ Aided by	y IC	Т	☑ Applicable to	o Rem	ote Class	Experienced	
Course	Dlan									
Course		·	Thomo				Goale			
		1st	^C ourse summ	arv	explanation		Under	stand the	class schedule	
		2nd	Lesson 1 & 2				Learn	the vocat	pulary and grammar rules set as	
		3rd	Lesson 3 & 4				Learn	the vocat	oulary and grammar rules set as	
		4th	Lesson 5 & 6				Learn	the vocat	oulary and grammar rules set as	
	1st Quarter	5th	Review				Under	standing	the weak points on the content	
1ct		6th	Review				Under learne	standing d so far.	the weak points on the content	
1st Semeste r		7th	Lesson 7 & 8				Learn lessor	the vocat tasks.	oulary and grammar rules set as	
		8th	Lesson 9 &10				Learn lessor	the vocat tasks.	oulary and grammar rules set as	
		9th	Lesson 11 & 1	12			Learn lessor	the vocat tasks.	oulary and grammar rules set as	
	2nd	10th	Review				Under learne	standing d so far.	the weak points on the content	
	Quarter	11th	Lesson 13 & 1	14			Learn lessor	the vocat tasks.	oulary and grammar rules set as	
	-	12th	Lesson 15 & 1	16			Learn lessor	earn the vocabulary and grammar rules set as esson tasks.		

	13th	Lesson 17 & 18		L	earn the vocabulary and grammar rules set as asson tasks.				
	14th	Lesson 19 & 20		L	Learn the vocabulary and grammar rules set as lesson tasks.				
	15th	Review		U le	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.			
Evaluation	Method ar	nd Weight (%)							
		Examination	Short Tests	Oth	ners	Total			
Subtotal		60	0	40		100			
Basic Proficiency		60	0	40		100			
Specialized Proficiency		0	0	0		0			
Cross Area Proficiency		0	0	0		0			

A	kashi Co	ollege		Year	2023		C	course Title	English I B-2
Course	Informa	tion							
Course Co	ode	5116				Course Categor	ry	General	/ Compulsory
Class For	mat	Lecture				Credits		School C	redit: 1
Departme	ent	Mechani	cal E	Ingineering		Student Grade		1st	
Term		Second	Seme	ester		Classes per We	ek	2	
Textbook Teaching	and/or Materials	(1) 総合	英語	Evergreen(参	送考書、教科書、We	orkbook) (2) デ	ータベ	ニース 5th E	Edition (3) ネクステージ
Instructo	r	KITAGA	WA C	Chiho					
Course	Ohiectiv	'es							
1) To rev use it app 2) To rev study gui 3) To rev appropria 4) To acq	iew the vo propriately iew the gr. delines. iew senter itely, follow uire Englis	cabulary le ammar lean nces structu ving the hic sh pronunci	arne rned ires l jh sc atior	d at junior hig at junior high learned in jun chool learning n skills and acc	gh school, acquire school, and learr ior high school, a guidelines. cent rules so that	new vocabulary n to use gramma nd learn to use s the student can	r follow ar rules senten speak	ving the h s appropri ce structu c clearly an	igh school learning guidelines, and ately, according to the high school ires and operate them nd communicate to the listener.
RUDIIC									
			10			Standard Level			
Achievem	ient 1		T ne hi ai	he student ha ew vocabulary igh school lea nd use it appr	s well acquired / following the rning guidelines opriately.	The student ha vocabulary follo school learning use it appropria	s acqu owing t guide ately.	iired new the high lines and	The student has not acquired new vocabulary following the high school learning guidelines and use it appropriately.
Achievement 2			T u: aj hi	he student ha se grammar r ppropriately, a igh school stu	s well learned to ules according to the dy guidelines.	The student ha grammar rules according to th study guideline	s learr appro e high s.	ned to use priately, school	 The student has not learned to use grammar rules appropriately, according to the high school study guidelines.
Achievement 3			Tl u: oj fc le	he student ha se sentence si perate them a ollowing the hi earning guideli	s well learned to tructures and appropriately, igh school nes.	The student ha sentence struct them appropria the high school guidelines.	s learr tures a tely, f l learni	ned to use and operat ollowing ing	The student has not learned to use sentence structures and operate them appropriately, following the high school learning guidelines.
Achievement 4				The student has well acquired English pronunciation skills and accent rules so that the student can speak clearly and communicate to the listener.			s acqu ciation that t rly and o the l	iired skills and he studen I istener	The student has not acquired English pronunciation skills and accent rules so that the student can speak clearly and communicate to the listener.
Assigne	d Depar	tment Ob	biec	tives					
Teachin	Teaching Method								
Outline		Based or acquire	n the the a	e junior high s ability to listen nowledge.	chool learned con and express sim	tent, to underst ple English sente	and th ences.	e basic st To perfor	ructure of English sentences. To m word tests and strengthen
Style		Attend t	he cl	classes, prepare for the classes studying the relevant sections of the workbook.					
		Use auiz	zes	es to increase student vocabulary and develop listening ability. Students who miss 1/4 or more of					
Notice		classes v	will n	not be eligible	for evaluation.		- 5		
Charact	eristics of	of Class /	′ Di∖	vision in Lea	arning				
Active	Learning		V	Aided by IC	Т	\square Applicable to Remote Class \square_{Ex}			Instructor Professionally Experienced
Course	Plan								
			The	me			Goals		
		1st	Cou	rse summary	explanation		Under	stand the	class schedule
		2nd	Less	son 21 & 22			Learn lessor	the vocat tasks.	oulary and grammar rules set as
		3rd	Less	son 23 & 24			Learn lessor	the vocat tasks.	pulary and grammar rules set as
	3rd	4th	Less	son 25 & 26			Learn lessor	the vocat tasks.	pulary and grammar rules set as
	Quarter	5th	Revi	iew			Under learne	standing d so far.	the weak points on the content
2nd		6th	Less	son 27 & 28			Learn lessor	the vocat tasks.	pulary and grammar rules set as
Semeste r		7th	Less	son 29 & 30			Learn lessor	the vocat tasks.	oulary and grammar rules set as
		8th	Less	son 31 & 32			Learn lessor	the vocat tasks.	oulary and grammar rules set as
		9th	Less	son 33 & 34			Learn lessor	the vocat tasks.	pulary and grammar rules set as
	4th	10th	Revi	iew			Under learne	standing ed so far.	the weak points on the content
	Quarter	11th	Less	son 35 & 36			Learn lessor	the vocat tasks.	oulary and grammar rules set as
		12th	Less	son 37 & 38			Learn the vocabulary and grammar rules set as lesson tasks.		

	13th	Lesson 39 & 40			Learn the vocabulary an lesson tasks.	d grammar rules set as			
	14th	Lesson 41 & 42		Learn the vocabulary and grammar rules lesson tasks.					
	15th	Review			Understanding the weak learned so far and prepa	points on the content aring for the exam.			
	16th	End term exam	End term exam			Test the student understanding of the content learned so far.			
Evaluation	Method ar	nd Weight (%)							
		Examination	Short Tests	Ot	thers	Total			
Subtotal		60	0	40)	100			
Basic Proficiency		60	0	40)	100			
Specialized Proficiency		0	0	0		0			
Cross Area Proficiency		0	0	0		0			
Δ	kashi Co	ollege	Year		2023		C	Course Title	Introduction to Active Learning
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Course Information									
Course Co	ode	5117				Course Catego	ry	General /	Compulsory
Class For	mat	Seminar				Credits		School C	redit: 1
Departme	ent	Mechani	cal Engineering	g		Student Grade		1st	
Term		First Ser	nester	-		Classes per We	ek	2	
Textbook Teaching	and/or Materials	A separa	ate handout wi	ill be	e provided.				
Instructor	r	TAKEDA	Naho,HIRANC) Ma	asatsugu,MIZUNO	Yuki			
Course	Objectiv	es							
Students and actin Students learning t Based on 1) You ca 2) You ca 3) You ca	acquire the g with othe learn abou to achieve the purpos in try to co in try to lis in try to loo	e mind, kno ers. t the idea optimal sol se of the al mmunicate ten to othe ok back on	owledge, and s of building rela utions. oove subjects, with others. rs. yourself.	skills atior the	s that form the ba nships between ea following three p	sis of learning b ach other, work oints are the go	y gras on pro als to	ping their blem solvi be achieve	interests and interests, thinking ng as a team, and experience ed.
Rubric						1			
			Excellent			Good			Insufficient
Achievem	ent 1		Be able to o others.	com	municate with	Try to commur others.	nicate	with	Don't try to communicate with others.
Achievem	ient 2		Be able to listen to others. Try to listen to					5.	Don't listen to others.
Achievem	ient 3		Be able to l yourself.	ook	back on	Try to look bac	k on y	ourself.	Don't look back on yourself.
Assigne	d Depart	ment Ob	ojectives						
Teachin	ig Metho	d							
Outline		At KOSEN, which are higher education institutions right solutions for them". The purpose of this class series of processes of learning and learning about and creating "answers".				utions, it is nece is class is to acq about oneself a	essary uire b nd oth	to "set up asic skills i ers, worki	their own problems and find the n learning at KOSEN through a ng on problem solving as a team,
You judg eva thin you The			learn various of by the deliverand in each deliv ability to organ ughts after read faculty memb	way bles /era nize ceiv	s of exploring thro of group work ar ble, such as the e the path to the a ing the other pers in charge of the c	bugh individual wo nd individual wo xpressive power answer that you con's feedback. class plan will sh	vork a rk in th r trans gave, are th	nd group v ne lecture. mitted to f and the in e lecture.	work. The grade evaluation is In addition, evaluation points are the other party, the logical trospective ability to reflect on
Notice Stud Class spea reas The		Students Classes speaking reason, The over class ass	s who miss 1/4 are developed out your own it is necessary rall evaluations signments. Stu	4 or usir ide to a s wi iden	more of classes wing a participatory as and listening c actively participate I be based 40% of ts who achieve 60	vill not be eligibl learning methoo arefully to the v e in the process on reports, 20% 0% or above ca	e for e d, focu oices o of crea on pre n pass	evaluation. Ising on dis of others, l ating a pla esentations the cours	scussions between students. By learning becomes richer. For this ce of learning together. s and feedback, and 40% on in- e.
Charact	eristics of	of Class /	ass / Division in Learning						
									□ Instructor Professionally
⊠ Active	Learning			/ IC	1		o Rem		Experienced
Course	Plan								
course			Theme				Goals		
		1st	Orientation (A	ll in	structors)		To un	derstand t	he outline and purpose of the
	2nd In		Introduce you	Irsel	f & get to know e	ach other	To lea	arn about t	he students who take this course
31		3rd	Scientific writi	ng ((Takeda)		Can a make mains	ppropriate a sentenc s, and cond	ely cite the underlying paper and e consisting of introductions, clusions to show their claims.
1st		4th	Basic of proble	em	definition (Takeda)	Can p idea r prese	ropose a s nethod aft nt state ar	solution to the problem using the er defining the problem by the nd the clear culture of the target.
Quarter 1st Semeste r		5th	Application of	pro	blem definition (A	raki)	Can e basec proble	xamine pr l on intervi em definiti	oblem definitions and solutions iews with others by utilizing on technology and ideas
		6th	Communicatio	on (1) (Araki)		Can u listeni comm	inderstand ing and qu nunication.	and practice the techniques of estioning necessary for interactive
		7th	Communicatio	on @	(Ando)		Can u metho issues	inderstand ods necess s.	and practice the discussion sary to discuss various issues and
		8th	Teamwork ①	(Hir	ano)		To pr	actice lear	ning with your peers.
		9th	Teamwork 2	(Hir	ano)		To pr	actice prob	blem solving as a team.
	2nd Quarter	10th	Question with	out	the answer: Socie	ety① (Araki)	Can u analy: societ	inderstand zing object :y.	the various methods for ts in a complex and uncertain
		11th	Question with	out	the answer: Socie	ety② (Araki)	Can u societ	nderstand y with hig	the concept of creating value in a h complexity and uncertainty.

	12th	Question with	nout the answer: Scier	nce① (Ando)	Can u collabe differe the re and so	Can understand the importance of cross-field collaboration by understanding commonalities differences between specialized fields based of the relationship between science and technolo and society		
	13th	Question wit	estion 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 explai	Can reflect on their learning in this course and explain to others how to learn in the future.		
	15th	Class plannin	g② (Takeda)		Can re	eflect on their learning se to others how to lea	in this course and arn in the future.	
	16th	Half-year rev	iew (final report)		To wr the fu	ite about your own pra ture, in line with your	ctice and plans for half year study.	
Evaluation Metho	d and Weight (%)							
	Reports	;	Presentations and feedback	Reflection		Effort status for classes	Total	
Subtotal	Subtotal 30		20	30		20	100	
基礎的能力	10 10 20		20		10	50		
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Caurse Code Course Code Description Course Cargony Environment 2 Constant 2	A	kashi Co	ollege	Year	2023		Cou Tit	rse I le S	Introduction to Data Science
Course Code S118 Course Category Jennary Computational Department Mechanical Engineering Student Gradu 1st Term First Sameater Classes per Week 2 Textbook and/or tracking Materials Instructor TSUCHIDA Takeyukin/NOWURA Hayato Course Objectives Course Objectives Course Objectives Can explain an overview of computers and networks: Can explain an overview of computers and networks: Can explain an overview of computers and networks: Can explain an overview of computers in the big date and is of view and a processing language (Pythan). Unacceptable Level Can fully explain an overview of information technology, such as anthola intelligence. Can fully explain an overview of information technology, such as anthola intelligence. Can fully explain an overview of computers and networks Can coll explain an overview of computers and networks Can coll explain an overview of computers and networks Can fully explain an overview of computers and networks Can ful	Course 1	Informa	tion				•		
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Characteristics of Class / Division in Learning	Notice		Students	who miss 1/3 or	more of classes v	vill not be eligibl	e for a pas	ssing gra	ade.
□ Active Learning □ Aided by ICT □ Applicable to Remote Class □ Instructor Professionally Experienced Course Plan Course Plan Goals Can explain the rules for using information systems in schools. Can explain application application reachplan application reachplan application reachplan application reachplan application regulations. Ist Ist Application examples of information technology information technology information technology information technology used (1) Can explain the rules for using information technology information technology information technology. Ist Application examples of information technology in MECA and an overview of the information technology in MECA and an overview of the information technology used (1) Can explain examples in Department C (infrastructure maintenance using 101: motorway turbines and GIS). Department C (infrastructure maintenance using 101: motorway turbines and GIS). Department A (building security and contemporary art), etc., and an overview of the information technology used in MECA and an overview of the information technology used in MECA and an overview of the information technology used in MECA and an overview of the information technology used in MECA and an overview of the information technology used in MECA and an overview of the information technology used in MECA and an overview of the information technology used in MECA and an overview of the information technology used in MECA and an overview of the information technology used in MECA and an overview of the information technology used in MECA and an overview of the information technology used in MECA and an overview of the information technology used in MECA and an overview of the information technology used in MECA	Charact	eristics o	of Class /	Division in Le	arning				
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7th Review Reflection on studies so far 8th Mutual Evaluations between students Mutual Evaluations between students			6th F	Regression analy	sis		Can expla	ain regre	ession analysis
8th Mutual Evaluations between students Mutual Evaluations between students			7th F	Review			Reflection	n on stud	dies so far
			8th N	1utual Evaluation	ns between studer	nts	Mutual Ev	/aluatior	ns between students

		9th	Computer fundan	nentals (1)		Understand th what "calculat	e structure of a ion" by comput	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 th communicatio	ne roles of inform n networks in s	mation and ociety.		
	2nd Quarter	12th	Network fundame	entals (2)		Understand ne mechanisms.	etwork configur	ations and		
		13th	Information secu	rity fundamental	S	Understand th	ne need for info	rmation security.		
		14th	Cyberattacks and	defense (1)		Understand th	ne major attack	tactics.		
		15th	Cyberattacks and	defense (2)		Understand de	efense tactics a	gainst attacks.		
		16th	Final exam			None				
Evaluati	ion Met	hod and	Weight (%)							
	E	xamination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total		
Subtotal	0		0	0	0	100	0	100		
Basic Proficienc	y o		0	0	0	40	0	40		
Specialize Proficienc	ed o		0	0	0	40	0	40		
Cross Are Proficienc	a 0		0	0	0	20	0	20		

A	kashi Co	ollege	Year	2023		Course Title	Exercise in Data Science
Course	Informa	tion					
Course Co	ode	5119			Course Categor	y General	/ Compulsory
Class Forr	nat	Lecture			Credits	School C	redit: 1
Departme	ent	Mechanic	al Engineering	gineering Student Grad			
Term		Second S	emester		Classes per We	ek 2	
Textbook	and/or						
Teaching	Matérials	_					
Instructor	-	TSUCHID	A Takayuki,NOM	URA Hayato, ENON	10TO Ryuji		
Course	Objectiv	es					
Can expla intelligenc Can expla Can expla Can execu	in an over ce. in an over in an over ute data ut	view and ap view of com view of infor ilization and	plication example puters and netw mation security analysis from bi	es of information orks. and examples of o g data and IoT, u	technology, such cyberattacks and sing a data proce	as IoT, machir defense. essing language	e learning, and artificial (Python).
Rubric							
			Ideal Level		Standard Level		Unacceptable Level
Achievem	ent 1		Can fully expla and application information teo IoT, machine le artificial intellig	in an overview examples of chnology, such as earning, and ence	Can explain an application exar information tecl IoT, machine le artificial intellige	overview and mples of nnology, such a arning, and ence	Cannot explain an overview and application examples of information technology, such as IoT, machine learning, and artificial intelligence
Achievem	ent 2		Can fully explait computers and	in an overview of networks	Can explain an computers and	overview of networks	Cannot explain an overview of computers and networks
Achievem	ent 3		Can fully expla information sec examples of cy defense	in an overview of curity and berattacks and	Can explain an information sec examples of cyt defense	overview of urity and perattacks and	Cannot explain an overview of information security and examples of cyberattacks and defense
Assigne	d Depar	tment Obj	ectives				
Teachin	a Metho	d					
Outline Outlin			develop the abili an information si capable of utilizin quisition of knowl to resolve them a n society by utilizi ember who has be aramming, data an	ty to use them p ociety. The cours ng, analyzing, an edge on "mather appropriately thr ng mathematics, en engaged at a malvtics, and ana	ractically, and t se will be held a d evaluating re- matics/data scie ough exercises, data science, a company in mi lvsis with exam	o develop an attitude toward s an early introductory education al data such as "IoT," "big data," ence/AI." Students will learn about using real data and issues, and and AI. This lecture will be ddleware (database) research and ples using the Python program.	
Style		Quizzes w quizzes a	vill be conducted and submitted wo	every lesson to te rk which serve as	est students' und tests.	erstanding. Stu	dents will be evaluated based on
Notice		Students	who miss 1/3 or	more of classes v	vill not be eligible	e for a passing o	jrade.
Charact	eristics (of Class /	<u>Division in Le</u>	arning			
☑ Active	Learning		☑ Aided by IC	Т	☑ Applicable to	Remote Class	☑ Instructor Professionally Experienced
Course	Plan						
course		Г	heme		[Goals	
		1ct I	ntroduction to pr	ogramming (1)		Learn Python n	rogramming syntax
		2nd I	ntroduction to pr	ogramming (1)		Learn Python p	rogramming syntax
		3rd I	ntroduction to pr	ogramming (2)		Learn Python p	
						Learn about im	olementing deen learning through
		4th D	eep learning			the use of same	ble codes
	3rd Quarter	5th D	Data science for o	control system		point of view of also given to ap	control system, and attention is plied problems in control system
		6th D	ata Visualization	1		Can demonstra server	te data visualization using a web
2nd		7th S	tatistical analysis	s (1)		Can demonstra	te a simple regression analysis
Semeste r		8th S	tatistical analysis etween students	s (2) · Mutual Eva	luations	Can demonstra Mutual Evaluati	te simple clustering (k-means) • ons between students
9th		9th C	Computer configu	ration and progra	imming	Check a compu performance by creating a simp Python	ter's configuration and r obtaining system information and le benchmark with the use of
	4th	10th F	arallel processin	g		Learn how to w processing in Py	rite and execute parallel /thon to speed up your program
	Quarter	11th A	utomated file pr	ocessing		Automate file p to optimize sim	rocessing in Python and learn how ple tasks
		12th A	utomated web in	nformation retriev	al	Learn about we automatically re Python	b scraping, a method for etrieving web information in

		13th	Network processir	ng (1)		Learn how to aut programming	omate web-relat	ed tasks by	
		14th	Network processir	ng (2)		Learn more about handling Internet communication through Python			
		15th	Security and sum	mary 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	Final exam			None			
Evaluation N	1eth	od and \	Weight (%)						
	Exa	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	0		0	0	0	40	0	40	
Cross Area Proficiency	0		0	0	0	20	0	20	

A	kashi Co	ollege	Year	2023		Course Title	Music-1	
Course Information Course Code 5120								
Course Co	ode	5120			Course Categor	y General ,	/ Elective	
Class Forr	nat	Skill			Credits	School C	redit: 1	
Departme	ent	Mechanical	Engineering		Student Grade	1st		
Term		First Seme	ster		Classes per We	ek 2		
Teaching	and/or Materials	Music I Tut	ti+(Kyoiku-Shu	ppan, Co.). Vario	us sheet music a	nd other printo	uts will also be distributed in class.	
Instructor	-	IZUMI Yuka	a					
Course	Objectiv	es						
1. Acquire 2. Master 3. Learn t 4. Plan an	e and prac the basics he basics nd practice	tice the basics of chord nam of the recorde musical perfo	of vocalizatior nes. er flute and pra ormance.	and chorus.				
Rubric					1		- 1	
			Ideal Level		Standard Level		Unacceptable Level	
Achievem	ent 1		The student ac practiced the b vocalization an	quired and asics of d chorus well.	The student acc practiced the ba vocalization and	quired and asics of 1 chorus.	The student did not acquire or practice the basics of vocalization and chorus.	
Achievem	ent 2		The student mastered the basics of chord			astered the names.	The student did not master the basics of chord names.	
Achievement 2 Achievement 3 Achievement 4 Assigned Department Obj Teaching Method Outline To know t "music" ti Style Pratical cl Some tex			The student ac of the recorder practiced them	quired the basics flute and well.	The student acc the recorder flu them.	quired basics of te and practiced	The student did not acquire the basics of the recorder flute or practice them.	
Achievem	ent 4		The student co practice musica well.	uld plan and al performances	The student con practice basic n performances.	uld plan and nusical	The student could not plan or practice musical performances.	
Assigne	d Depar	tment Obje	ctives					
Teachin	g Metho	d						
Outline To know the joy of expressing yourself through m				ugh music. Expe	rience not only	disposable music, but also genuine		
"music" that has survived times regardle				times regardless	of its eastern or	western origins		
Notice		Some texts careful and Prepare rec Students w Practical ex in Japan ar	and songs are serious practic order flutes (a ho miss 1/4 or perience: The id overseas, an	difficult to play. 1 ie. Also, since this II) and pianica flut more of classes v instructor is an ex d can use her exp	The student will i course deals wi es (for those wh vill not be eligible perienced vocal perience to teach	not earn a sense th "sound", refra o have them). e for evaluation. ist. She has co- students with s	e of accomplishment without ain from unnecessary private talk. starred in recitals and orchestras specific and up-to-date information	
Charact	eristics	of Class / D	ivision in Le	arning				
☑ Active	Learning		□ Aided by ICT		☑ Applicable to	Remote Class	☑ Instructor Professionally Experienced	
		·						
Course	Plan							
		Th	eme			Goals		
		1st Pa	rting, grouping actice, singing a	, stretching, vocal a simple two-voice	lization e song	To be able to si	ng a simple two-voice song.	
		2nd Eti	ude I for Chora	I		To sing simple songs with piano accompaniment.		
		3rd Et	ude II for Chora	al		To sing simple songs with piano accompaniment.		
		4th Ch	ord name Basi	cs I		Understand the	simplest 3 chords.	
	1st 5th Etude III for Ch			al		Can sing 2-voic	e or 3-voice J/POP.	
6th Etude IV for Choral			al		Can get the cor group.	rect pitch even in a few people		
		7th Eti	ude V for Chora	al		Harmony can b people group.	e echoed beautifully, even in a few	
1st 8th C		8th Ch	ord name Basi	cs II		Chord name pra presentation pr	actice and quizzes, group actice.	
r 9th		9th Eti	ude VI for Chor	al		Final practice for	r the group presentation.	
1		10th Eti	ude VII for Cho	ral		The group will p something to of satisfaction.	present and be able to transmit ther people, beyond self-	
		11th Re	corder Flute Ba	asics I		Rediscover the	charm of the recorder flute!	
	2nd 12th Recorder Flute Basics II		isics II		Play a simple er	nsemble.		
	Quarter	13th Pla	anning and prac	ctice for practical s	skill test I	To plan a free r expertise field.	nusic performance in the students'	
		14th Pla	anning and prac	ctice for practical	skill test II	To plan a free r expertise field.	nusic performance in the students'	
		15th Pra	actical test and	"Class presentation	on"	Practical test and "Class presentation"		
-		16th Nc	end term exar	n				
⊥Evaluati	ion Meth	lod and We	iant (%)					

	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	kashi Co	ollege	Year	2023		Course Title	Music-2		
Course	Informa	tion	on						
Course Co	ode	5121			Course Categor	y General	/ Elective		
Class Forr	nat	Skill			Credits	School C	Credit: 1		
Departme	ent	Mechanic	al Engineering		Student Grade	1st			
Term		Second S	emester		Classes per Wee	ek 2			
Textbook Teaching	and/or Materials	Music I T	utti+(Kyoiku-Shu	ippan, Co.). Vario	us sheet music a	and other printouts will also be distributed in class.			
Instructor		IZUMI Yu	ka						
Course	Objectiv	es							
1. Acquire 2. Master 3. Learn t 4. Plan ar	e and prac the basics he basics d practice	tice the basi s of chord na of the record musical per	cs of vocalizatior imes. der flute and pra formance.	and chorus.					
Rubric			-		1				
			Ideal Level		Standard Level		Unacceptable Level		
Achievem	ent 1		The student ac practiced the b vocalization an	quired and asics of d chorus well.	The student acc practiced the ba vocalization and	uired and sics of chorus.	The student did not acquire or practice the basics of vocalization and chorus.		
Achievem	ent 2		The student m basics of chord	he student mastered the The student ma asics of chord names well. The student ma			The student did not master the basics of chord names.		
Achievem	ent 3		The student we basics of the re practiced them	ell acquired the ecorder flute and	The student acc of the recorder practiced them.	uired the basic flute and	The student did not acquire the basics of the recorder flute or practice them.		
Achievem	ent 4		The student co practice musica well.	uld plan and al performances	The student cou practice basic m performances.	ıld plan and nusical	The student could not plan or practice musical performances.		
Assigne	d Depar	tment Ob	iectives				· ·		
Teachin	a Metho	d							
Outlino	2	To know	the joy of expres	joy of expressing yourself through music. Exp			disposable music, but also genuine		
Outime		"music" t	hat has survived	has survived times regardless of its eastern of			•		
Style		Practical	classes of music	expression.					
Notice		careful ar Prepare r Students Practical Japan and	ad serious practic ecorder flutes (a who miss 1/4 or experience: The d overseas, and o	te. Also, since this II) and pianica flut more of classes v instructor is an ex can use her exper	s course deals with ces (for those who will not be eligible operienced vocalis ience to teach stu	h "sound", refr b have them). e for evaluation st. She has co-s udents with spe	starred in recitals and orchestras in ecific and up-to-date information		
Charact	eristics	of Class /	Division in Le	arning					
☑ Active	Learning		Aided by IC	T	Applicable to	Remote Class	☑ Instructor Professionally Experienced		
Course	Plan	,							
		1	heme			Goals			
		1st A	Cappella Challe	nge I	1	First of all, sing eight measures harmony.	a short four-voice song of about with a sense of beautiful		
		2nd A	Cappella Challe	nge II		Select a song fi suitable for the	om the a cappella selection, group and practice in the group.		
		3rd A	Cappella Challe	nge III		Repeat practice	and check the group progress.		
	3rd Quarter	4th A	Cappella Challe	nge IV		In addition to p presentation, to performances.	erforming at the group o enjoy listening to other groups'		
		5th C	Chord Name Basi	cs III		Learn 7th and f analyze songs.	raction chords. To be able to		
		6th C	Chord Name Basi	cs IV	-	The measure o short tests.	f knowledge acquired through		
2nd Semeste 7th		7th (Chord Name Basi	cs V		Review of week	κ 6.		
r 8th Ch		Chord Name Basi	c VI		Music knowledg	je quiz			
	9th Joy of singing I			-	To try to sing t composers.	he chorus of popular contemporary			
	10th Joy of singing II			To express the do the best pos	song carefully and with details. To sible vocalization and sound.				
	4th Quarter	11th J	oy of singing III			Each student sl feel the joy of s and dynamic ex	nould be aware of the music and inging together with thoughtful pression.		
		12th F	Planning and prac	ctice for practical s	skill test I	Prepare for pra guitar solo, pia	ctical tests. A cappella ensemble, no solo, etc.		
		13th F	Planning and prac	ctice for practical s	skill test II	Plan and practice equipment.	ce with limited time and		
		14th F	lanning and prac	ctice for practical s	skill test III	Learn from pra	ctice.		

		15th	Practical test and Course summary	"Class presentatio	on"	Practical test and summary.	l "Class presentat	ion." Course
		16th	No end term exam	า				
Evaluatio	on Metł	nod and V	Veight (%)					
	At	tendance	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	o t		0	0	0	0	0	0
Cross Area Proficiency	a, 0		7	10	0	0	0	17

A	kashi Co	ollege	Year	2023		C	ourse Title	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	Mechanica	Engineering		Student Grade		1st	
Term		First Seme	ster		Classes per We	ek	2	
Textbook Teaching	and/or Materials	Art 1 (Mits	umura Tosho P	ublishing). Various	s printouts will a	lso be	distribute	d in class.
Instructor	-	OHNO Ryo	hei					
Course	Objectiv	es						
1. Can ex 2. Can ap 3. Unders	press thing preciate w tand the r	gs in several a orks of art ar elationship be	art forms. Id comment on etween real life	them in groups. and art.				
Rubric					1			
			Ideal Level		Standard Level			Unacceptable Level
Achievem	ent 1		Can express th several art forr	iings freely in ns.	Can express th art forms.	ings in	several	Cannot express things in several art forms.
Achievem	ent 2		Can accurately of art and com groups.	appreciate works ment on them in	Can appreciate comment on th	works nem in a	of art and a group.	Cannot appreciate works of art and comment on them in a group.
Achievem	ent 3		Can fully under relationship be and art.	rstand the tween real life	Can understand between real li	d the re fe and a	elationship art.	Can not understand the relationship between real life and art.
Assigne	d Depar	tment Obje	ectives					
Teachin	g Metho	d						
Outline	-	By express works (clay is related t	ing things in dif / works), color o real life.	fferent art forms ir (color materials),	ncluding 2-dimn ideas (images),	nension studen	al portray ts refine t	ing (sketching), 3-dimmensional heir sensitivity and learn how art
Style		Classes are Liaison: Jo	e mainly conduc	cted through pract	ical lessons on h	now to	express tł	nings in different art forms.
Notice		This subject work and v questions v This course motivated cleaning u Students v	t is taught by a vriting activities what art really r e requires indivi attitude. A F6-s o the classroom who miss 1/4 or	a teacher who has s as a contempora means. iduals to take thein size sketchbook is after lessons are more of classes w	been practicing ry art writer. Ap ^r own initiative. used in classes. mandatory. /ill not be eligibl	town c plying Studen Do not e for ev	developme his experi- ts are req forget th valuation.	ent for many years through his art ences to practical lessons, he uired to create art with a ings like tools. Tidying and
Charact	eristics	of Class / F	ivision in Le	arning				
☑ Active	Learning		□ Aided by IC	T	☑ Applicable t	o Remc	ote Class	□ Instructor Professionally Experienced
Course	Plan							
		Tł	ieme			Goals		
		1st Ex	plaining the cla	iss content, tools,	appreciation of			
		2nd Sk	etching 1	griments for the h		To dra	w Skotch	1
		3rd Sk	retching 2			To dra	w Sketch	2
	1 ct	4th Sk	etching 3			To dra	w Sketch	3.
	Quarter	5th Sk	etching 4			To dra	w Sketch	4.
		6th Sk	etching 5			To dra	w Sketch	5.
		7th Sk	etching 6			To dra	w Sketch	6.
1 - 1		8th At of	ostract expression nature 1)	on using color mat	terials (image	To exp color n	oress thing naterials.	is in an abstract art form using
Ist Semeste r		9th At of	stract expression nature 2)	on using color mat	terials (image	To exp color n	oress thing naterials.	is in an abstract art form using
		10th At	ostract expression nature 3)	on using color mat	terials (image	To exp	oress thing naterials.	s in an abstract art form using
		11th At	ostract expression nature 4)	on using color mat	terials (image	To exp	press thing naterials.	s in an abstract art form using
	2nd Quarter	12th Gr	roup work / exp	laining the assign	ment for the	To con	nment on	works expressed in an abstract
13th		13th Fie	gure (replicating	g skeletal frame 1)	To dra	w replicat	ing skeletal frame of figure.
		14th Fie	gure (croquis dr	rawing 1)	/	To dra	w croquis	
		15th Fig	gure (croquis dr	rawing 2)		To dra	w croquis	•
		16th No	final exam				.	
Evaluati	ion <u>Met</u> h	od and We	eight (%)					
			Practical skill p	roduction	Attendance · B	ehavior		Total
Subtotal			80		20			100
Basic Prof	ficiency		80		20			100

Specialized Proficiency	0	0	0
Cross Area Proficiency	0	0	0

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

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

Akashi College Course Information		ollege		Year	2023			ourse Title	Japanese I-1			
Course 1	Informat	tion			•							
Course Co	ode	5124				Course Categor	γ	General ,	Compulsory			
Class Forr	nat	Lecture				Credits		School C	redit: 3			
Departme	ent	Mechanic	al Eng	gineering		Student Grade		1st				
Term		First Serr	nester	r		Classes per We	ek	前期:6				
Textbook Teaching	and/or Materials	Minna no Stories b) Niho y Fusi	ngo Elemen ako Beuckm	tary II 2nd Editior ann, Kuroshio Put	n by 3A Corporat plishers	tion, 3	A Corpora	tion / Learning 300 Kanji through			
Instructor		KUBOTA	Ikum	ni								
Course	Objectiv	es										
1. Unders 2. Can use while also topics. 3. Have a native lan	tand Japan e Japanese understar clear unde guage. Ca	nese writing to commu nding the in erstanding o n also then	g, spea inicate forma of the think	aking, vocat e information ation, feeling e strengths a c of the prope	oulary, sentence p n about topics of i js, and reasons of nd weaknesses of er solutions to cha	atterns, and exp nterest, feelings others. Can also their own Japan allenges on their	oressio about o write nese al	ns, and ca said topic sentence bility and and put th	an use them appropriately. cs and reasons for those feelings, s or connected text about these skills and can explain them in their em into action.			
Rubric												
			Ide	al Level		Standard Level			Unacceptable Level			
Achievem	ent 1		Und voc and situ use	derstand wri cabulary, ser d expression uations and c e them appro	iting, speaking, ntence patterns, s in different contexts, and can opriately.	Understand wri vocabulary, ser and expression situations and o use them appro certain extent.	iting, s ntence s in dif context opriate	peaking, patterns, ferent ts, and ca ly to a	Do not understand writing, speaking, vocabulary, sentence patterns, and expressions in n different situations and contexts, and can barely use them.			
Achievem	ent 2		Car app info the or a	n use the wo propriately to prmation abo ir feelings, e assistance.	ords learned o express out things and etc. without hints	Can use the wo appropriately, a information abo their feelings, e assistance.	ords lea and exp out thin etc. wit	arned press ngs and h hints or	Cannot use the words learned, and cannot express much information about things or their feelings.			
Achievem	ent 3		Car thir into	n figure out t nk of solution o action.	their challenges, ns, and put them	Can figure out and think of so	their cl lutions	hallenges	Even if they can figure out their challenges, they cannot think of a solution.			
Assigne	d Depart	tment Ob	jecti	ves								
Teachin	g Metho	d										
	2	Students	will s	study beginn	er to intermediate	e Japanese throu	Ighout	the year.	In order to achieve the language			
Outline		activity to connect t	argets	s set for eve to real use.	ry lesson, this cou	irse aims to enh	ance J	apanése l	anguage ability and skills, and			
Style		Students learned, practice of	will r they v conve	vill review key points and practice them in a variety of ways during the class. Using the Japanese iey will engage in long speaking and writing, and other productive activities on their own and inversations with others.								
Notice		For every proactive Students	/ lesso e in im who	lesson, students will be expected to reflect on what they could and could not do, and to be in improving their Japanese ability and skills. who miss 1/4 or more of classes will not be eligible for evaluation.								
Charact	eristics o	of Class /	Divis	sion in Lea	arning							
🛛 Active	Learning			Aided by IC	Т	☑ Applicable to	o Remo	ote Class	 Instructor Professionally Experienced 			
Course	Plan											
Course		-	Thom				Coals					
			mem	le			class objectives and content, and					
		1st (Orient	tation			your J	apanese l	the class objectives and content, and se language levels.			
		2nd '	"Minn	a no Nihong	o Elementary II" (Ch. 26	Can as situati reasor ask fo	sk for exp ons and e ns for ther r advice a	lanations about other people's xplain their own situations and n. Can request things politely and nd instructions.			
		3rd '	"Minn	a no Nihong	o Elementary II" (Ch. 27-28	Can sa Can ta Can lis	ay what th alk about t st several	ney can and cannot do. heir habits. reasons for something.			
1st Semeste r		4th '	"Minn	a no Nihong	o Elementary II" (Ch. 29-30	Can de Can de Can ta Can ex situati	escribe th escribe th alk about o xpress the ons.	e condition of an object. ings to do in advance. completion of an action. eir feelings about inconvenient			
		5th '	"Minn	a no Nihong	o Elementary II" (Ch. 32-33	Can ta appoir Can ao Can ex certair	alk about t ntments. dvise othe xpress the nty.	their intentions, plans, and ers. err speculations by the degree of			
		6th '	"Minn	a no Nihong	o Elementary II" (Ch. 34-35	Under Can co Can de	stand inst ommunica escribe th	ructions and commands. te or convey people's statements. e context of two actions.			
		7th '	"Minn	a no Nihong	o Elementary II" (Ch. 35-36	Can talk about hypothetical situations. Can make decisions under certain conditions and for advice or directions.					
		8th	Reflec	tion								

		9th	"Minna no Nił	nongo El	ementary II" Ch. 37-38		The appropriate use of the representation based or intimacy in a personal model of the can give permission or are not their superiors.	The appropriate use of the exchange and representation based on the hierarchy and level of intimacy in a personal relationship. Can give permission or approval to people who are not their superiors.			
		10th	"Minna no Nil	nongo El	ementary II" Ch. 39-40		Can use honorifics prop and people you meet fo send emails.	Can use honorifics properly to talk to superiors and people you meet for the first time, and to send emails.			
	2nd	11th	"Minna no Nil	nongo El	ementary II" Ch. 42-43		In addition to organizing the knowledge of the Japanese you have already learned, look back on what you can do in Japanese and reconfirm your goals from the next week.				
	Quarter	12th	"Minna no Nił	nongo El	ementary II" Ch. 44-45		Can read and understar events.	nd sentences about past			
		13th	"Minna no Nil	nongo El	ementary II" Ch. 46-47		Understand the charact grammar such as polyse compound verbs, and co parts.	eristics of Japanese emous words and an use idioms using body			
		14th	"Minna no Nił	nongo El	ementary II" Ch. 41, 48	5	Can read and understar understanding the contr	nd sentences while rast of things.			
		15th	"Minna no Nił	nongo El	ementary II" Ch. 49-50		Knowing the diversity of vocabulary, you can paraphrase Wago and Katakana into Kango.				
		16th	Final exam								
Evaluati	ion Meth	iod ai	nd Weight (%)								
			Examination		Assignments	P	Portfolio	Total			
Subtotal		50		40	1	10	100				
Basic Proficiency		50		20	0)	70				
Specialized Proficiency			0		0	C)	0			
Cross Area Proficiency			0		20	1	10	30			

A	kashi Co	ollege	Y	'ear	2023		C	ourse Title	Japanese I-2		
Course	Informa	tion									
Course Co	ode	5125				Course Categor	у	General	/ Compulsory		
Class For	mat	Lecture				Credits		School C	redit: 2		
Departme	ent	Mechani	cal Engine	eering		Student Grade		1st			
Term		Second S	Semester			Classes per Wee	ek	4			
Textbook Teaching	and/or Materials	Quartet: The Japa	Intermed an Times /	liate Jap / Learnir	anese Across the ng Kanji through S	Four Language S Stories II 301-50	age Skills I, The Japan Times by Tadashi Sakamoto, 1-500 by Fusako Beuckmann, Kuroshio Publishers				
Instructo	r	KUBOTA	Ikumi								
Course	Objectiv	es									
1. Unders 2. Can us while also topics. 3. Have a	stand Japa e Japanes o understan	nese writing e to communding the ir erstanding	g, speakin unicate inf oformation of the stre	ng, vocal formatio n, feeling engths a	bulary, sentence p n about topics of i gs, and reasons of and weaknesses of	atterns, and exp nterest, feelings others. Can also their own Japar	about about write	ns, and c said topi sentence bility and	an use them appropriately. cs and reasons for those feelings, s or connected text about these skills and can explain them in their		
Rubric	iguage. Ca			the prop			OWITA	ina put ti			
			Ideal L	evel		Standard Level			Unacceptable Level		
Achievem	ient 1		Unders vocabu and ex situatic use the	stand wr Ilary, sei pression ons and em appro	iting, speaking, ntence patterns, is in different contexts, and can opriately.	Understand writ vocabulary, sen and expressions situations and c use them appro certain extent.	ting, s tence in dif ontext priate	peaking, patterns, ferent ts, and ca ly to a	Do not understand writing, speaking, vocabulary, sentence patterns, and expressions in n different situations and contexts, and can barely use them.		
Achievem	ient 2		Can us approp informa their fe or assis	e the wo priately t ation ab eelings, e stance.	ords learned o express out things and etc. without hints	Can use the wo appropriately, a information abo their feelings, e assistance.	rds lea nd exp out thir tc. wit	arned press ngs and h hints or	Cannot use the words learned, and cannot express much information about things or their feelings.		
Achievem	ient 3		Can fig think o into ac	jure out If solutio tion.	their challenges, ns, and put them	Can figure out t and think of sol	heir cl utions	hallenges	Even if they can figure out their challenges, they cannot think of a solution.		
Assigne	d Depar	tment Ob	ojectives	5							
Teachin	a Metho	d									
	<u> </u>	Students	s will study	v beginn	ner to intermediate	e Japanese throu	ahout	the year.	In order to achieve the language		
Outline		activity t	argets set them to r	t for eve eal use.	ery lesson, this cou	irse aims to enha	ance J	apanese l	anguage ability and skills, and		
Style		Students learned, practice	s will revie they will conversat	will review key points and practice them in a variety of ways during the class. Using the Japanese ney will engage in long speaking and writing, and other productive activities on their own and onversations with others.							
Notice		For ever proactive Students	y lesson, s e in impro s who mis	students wing the s 1/4 or	s will be expected ir Japanese ability more of classes v	to reflect on what and skills. vill not be eligible	at they e for e	v could an	d could not do, and to be		
Charact	eristics of	of Class /	Divisior	n in Le	arning						
🛛 Active	Learning		🗆 Aide	ed by IC	Т	☑ Applicable to	Remo	ote Class	 Instructor Professionally Experienced 		
Course	Plan										
Course			Theme				Goals				
		1 - 1			4	Understand the			story about a famous person		
		lst	QUARTE	TI" Ch.	1	,	which	represen	ts Japan.		
		2nd	"QUARTE	T1" Ch.	1		Can d write s in deta	lescribe p sentences ail.	eople and things effectively, and that describe people you respect		
		3rd	"QUARTE	T1" Ch.	1		Can w week I Can re compo	rite a con 2. ad and co sitions.	nposition about the contents of omment on other people's		
	3rd Quarter	4th	"QUARTE	T1" Ch.	2		Can re and ur expres	ead the e- nderstand ssions tha	mails sent by students to teachers how to write e-mails and t are often used in e-mails.		
2nd		5th	"QUARTE	T1" Ch.	2		Can e	kplain you	ır current status easily.		
Semeste r		6th	"QUARTE	T1" Ch.	2		Can re teache	eport your	r current status by e-mail to the home country.		
		7th	"QUARTE	T1" Ch.	3		Can re inform	ead guides nation you	s and columns to read the I need		
	8th	"QUARTE	T1" Ch.	3		Can co notice	ompare yo the chara	our home country with Japan and acteristics of your home country.			
	4th Quarter	9th	"QUARTE	T1" Ch.		Understand a topic sentence and a su sentence and rite a column on the cor Week8. Can also read and comment on other columns.		opic sentence and a supporting te a column on the contents of nd comment on other people's			
		10th	"QUARTE	T1" Ch.	5		Can se the inf	arm of Japanese cuisine by reading magazine.			

		11th	"QUARTET1" Ch. 5			Understand adverbs and represent the order. Can also explain the ord dishes you want to mak	l conjunctions that ler of how to make the e.			
		12th	"QUARTET1" Ch. 5		Can summarize the recipes of dishes made during the winter vacation					
		13th	"QUARTET1" Ch. 4			Understand various stuc reading some reports.	ly abroad experiences by			
		14th	"QUARTET1" Ch. 4			Can look back on your o talk about the good poir what to be careful abour	Can look back on your own study abroad life and talk about the good points of studying abroad and what to be careful about.			
		15th	"QUARTET1" Ch. 4			Can discuss your study a express your opinions, a people's opinions.	abroad life with others, and comment on other			
		16th	Final exam	Final exam						
Evaluatio	on Meth	od an	d Weight (%)							
		I	Examination	Assignments	Р	ortfolio	Total			
Subtotal		!	50	40	1	0	100			
Basic Profi	ciency	!	50	20	0		70			
Specialized	zed Proficiency 0)	0	0		0			
Cross Area	Proficien	су ()	20	1	0	30			

Akashi College			Year	2023			ourse Title	Japanese Culture and Society		
Course	Informat	tion	•					·		
Course Co	ode	5126				Course Catego	ry	General /	Compulsory	
Class For	mat	Lecture				Credits		School Cr	edit: 1	
Departme	ent	Mechanio	cal Engi	jineering		Student Grade		1st		
Term		First Sen	nester			Classes per We	eek	2		
Textbook Teaching	and/or Materials	The teac	her will	ll make and	distribute the ha	ndout.				
Instructor	r	KUBOTA	Ikumi							
Course	Objectiv	es								
1. Learn a between 2. Can sp behavior difference	about and the two cu eak for a r in Japan ai es.	understand ltures and o easonable a nd their ow	l Japane can spe amount n count	ese culture eculate about t of time an atries, in an	, and also relate i ut them. d write a reasona easy-to-understa	t to their own cu able length abou nd manner, wit	ulture. / ut a rang h respe	Also realiz ge of topic ct to socia	e the differences and similarities ts on culture and language Il and cultural commonalities and	
Rubric						1				
			Idea	al Level		Standard Level	l		Unacceptable Level	
Achievem	ent 1		Have infor cultu prese	e more kno rmation abo ure than fro sented in cla	wledge and out Japanese om what was ass.	Have sufficient information ab culture from w presented in cl	knowle out Jap hat was ass.	edge and anese S	Have basic knowledge and information about Japanese culture from what was presented in class.	
Achievem	ient 2		Can notic diffe betw Japa back	explain wh ced or spec erences and ween their c anese cultur kground and	at they have ulated about the similarities own culture and re based on their d reasoning.	Can explain what they have noticed or speculated about differences and similarities between their own culture and Japanese culture.			Cannot point out the differences or similarities between their own culture and Japanese culture.	
Achievement 3			Can Japa learr logic relat beha coun	effectively anese they'v ned to expr cal sentence ted to cultu avior in Jap ntries.	use the ve already ess and write es on topics re and language an and their own	Can express words and phrases in a simple way or write connected sentences about the culture and language behavior of Japan and their own countries.			Cannot make sentences about the culture and language behavior of Japan or their own countries, and can only express them in words.	
Assigne	d Depart	tment Ob	ojectiv	/es						
Teachin	g Metho	d								
Outline		There ar The aim behavior their cou	e differ of this and cu intries i	differences in language behavior and culture that we notice in real-life communication situations. this course is for students to develop a deeper understanding of the differences in language nd culture between Japan and their own countries. Also, to speak and write about themselves and ries in Japanese, and relate them to the theme set for each lesson.						
Style		The class fill it out places th	s will be on a ha ne instru	will be carried out using handouts. Students will say what they noticed in class during class time on a handout. For Japanese speaking and writing assignments, they should prepare, correct the instructor put a check mark on by themselves, and present or submit them when finished.						
Notice		We hope able to the students sentence Students	e this cla hink ab are ex e patter s who m	this class will deepen students' understanding of Japan and their own cultures and allow them ink about them more clearly. In addition, this class involves speaking and writing in Japanese, are expected to use it as an opportunity to practice producing actual Japanese by using vocable patterns, and expressions that they have learned. who miss 1/4 or more of classes will not be eligible for evaluation.						
Charact	eristics o	of Class /	Divisi	ion in Lea	arning					
🛛 Active	Learning			Aided by IC	T	☑ Applicable t	o Remo	ote Class	 Instructor Professionally Experienced 	
Course	Plan									
			Theme	9			Goals			
		1st	Orienta	ation			Unders	stand the	class objectives and content.	
		2nd	Necess Japan	sary proced	ures for living afte	er coming to	Can wi Japane	rite your p ese.	personal information in Japan in	
3rd		3rd	Necess Japan	sary proced	ures for living afte	er coming to	Can wi while i banks	rite your p nteracting or mobile	personal information in Japanese with the person in charge at phone shops.	
1st 1st Semeste Quarter		4th	Self-int	troduction			Learn a talk ab differe Can als deal w	about topi out in self nce from so think al ith the top	cs that Japanese people often -introduction, and notice the your own country. bout why each country tends to pic.	
r <u>course</u> 5		5th	Self-int	troduction			Can int incorpo often t	troduce yo prating the alk about	ourself in some detail while e contents that Japanese people in self-introduction	
(6th	Conver	rsation with	the shop staff		Can ex Japane when s	press the ese. Also, shopping a	conditions of what you want in understand the expressions used and eating.	
		7th	Conver	rsation with	the shop staff		Can us week t want.	e the Japa to interact	anese you learned in the 6th with the clerk to buy what you	

		8th		Dormitory life			Can notice the differenc country and Japan and t in the dormitory life.	es between your home the characteristics of each	
		9th		Dormitory life			Can explain the goodnes dormitory and the point to.	ss of living in the s that you are not used	
		10th		Dormitory life		Can write a letter to thank the dormitory staff or suggest something.			
		11th		Disaster and Disaster	prevention		Understand words related disaster prevention.	ed to natural disasters and	
		12th		Disaster and Disaster	prevention	Learn about Japan's effo disasters and disaster p	orts related to natural revention.		
2nd Quarter		13th		Disaster and Disaster	prevention	Can find out about exan natural disasters and dis City.	nples of efforts related to saster prevention in Akashi		
		14th		Disaster and Disaster	prevention	Can explain concretely w the 13th week.	vhat you investigated in		
		15th		Disaster and Disaster	prevention	Can verbally tell others 14th week. Can also listen to the ar and give your thoughts	about the content of the nouncements of others and opinions.		
		16th	Reflection				Can explain new things they found out in class, things that changed their minds, and how their Japanese abilities and skills have developed.		
Evaluat	ion Meth	iod ai	nd ۱	Weight (%)					
			Pre Pro	sentation • duction work	Oral examination	В	Behavior	Total	
Subtotal			70		20	1	.0	100	
Basic Proficiency					20	0		55	
Specialize	ed Proficier	псу	0		0	0		0	
Cross Area Proficiency					0	1	.0	45	

А	kashi Co	ollege	Yea	· 2023			C	ourse Title	Literacy for Disaster Risk Reduction	
Course	Informa	tion								
Course Co	ode	5127				Course Categor	у	Specialize	ed / Compulsory	
Class Forr	mat	Lecture				Credits		School C	redit: 1	
Departme	ent	Mechanica	al Engineerir	ng		Student Grade		1st		
Term		Second Se	emester			Classes per We	ek	2		
Textbook Teaching	and/or Materials									
Instructor	-	MOTOZUł	(A Tomoki,Y	EGA	NE GHEZELLOO					
Course	Objectiv	es								
(1) Under reduction	stand the and preve	natural disas ention.	sters that oc	cur i	n Japan, and acqu	uire the knowled	knowledge, awareness, and skills related to disaster risk			
Rubric			1							
			Ideal Leve			Standard Level			Unacceptable Level	
Achievement 1			Can explai disasters t and not on knowledge skills relate reduction a can also ad	n in hat c lly ha , aw ed to and p ct on	detail the natural occur in Japan, ave acquired the areness, and o disaster prevention but them.	Can explain the natural disasters that occur in Japan, and have acquired the knowledge related to disaster risk reduction and prevention			Cannot explain the natural disasters that occur in Japan.	
Assigne	d Depar	tment Obj	ectives							
Teachin	g Metho	d								
Outline		In this cou disaster ri various si can also v Liaison: T	urse, studen sk reductior tuations in t vork to acqu omoki Moto:	ts w anc heir ire a zuka	ill understand disa l prevention to be social lives or in th Disaster Preventi	asters and acquir come a leader in ne organizations on Specialist qua	e the disast to wh alificat	knowledge ter risk ree ich they b ion.	e, awareness, and skills related to duction and disaster prevention in elong. Those who would like to	
Style		Lectures v there will Lectures v 14	will be held i also be colla A: Weeks 1,	be held in an omnibus style: each theme will be different depending on the lecturer. to be collaborative learning such as CROSSROAD games. Weeks 1, 3, 4, 6, and 15; Motozuka: Weeks 2, 9-11, and 13; Visiting lecturers: Weel						
Notice		Students with many role as a of Students	will learn the y disasters. disaster prev who miss 1/	e mii They /enti '3 or	nimum amount of will be expected on leader in the fu more of classes w	what they need to learn with an iture. vill not be eligible	to kno intere e for e	ow to live st in real- valuation.	in Japan, a developed country world events and play an active	
Charact	eristics of	of Class /	<u>Division ir</u>	l Le	arning	1				
Active	Learning		□ Aided by ICT ☑ Applicable to					ote Class	 Instructor Professionally Experienced 	
Course	Plan									
		Т	heme				Goals			
		1st 1	st week				Guidance, What is a disaster? [Lectures A			
		2nd 2	nd week				CROSSROAD game [Motozuka]			
		3rd 3	rd week				Eartho	sters [Lectures A]		
		4th 4	th week				Tsunami disasters [Lectures A]			
	3rd Quarter	5th 5	th week				Meteorological disasters (typhoons, torrentia rains, abnormal weather) [Visiting lecturer]			
	Quarter	6th 6	th week				Sedim	ent disast [Lectures	ers (earthquakes and torrential	
		7th 7	th week				Fire, e	mergency	, and rescue Activities [Visiting	
		8th 8	th week				Midter	m exam		
2nd		9th 9	th week				Dama	ge and res	storation of lifelines [Motozuka]	
Semeste r		10th 1	0th week				Recon [Moto:	struction zuka]	planning and urban reconstruction	
11th 1			1th week				Topics [Moto:	on inforn zukal	nation in the event of a disaster	
		12th 1	2th week				Opera housir	ting a she	lter and living in temporary	
4th Quarter 13		13th 1	3th week				Respo assista	nding to p	persons requiring special e event of a disaster [Motozuka]	
14		14th 1	4th week				Volunt region [Visitir	eer disast al disaste ng lecture	ter prevention organizations, r prevention plans, hazard maps r]	
		15th 1	5th week				Disaster risk management and business conti plans [Lectures A]			
16th 16th week							Final exam			
Evaluati	ion Meth	od and W	eight (%)							
				Exa	mination			Total		
Subtotal				100	1			100		

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

A	kashi Co	ollege	Y	/ear	2023		Cou Ti	urse tle	Introduction to Information Processing	
Course	Informat	tion			1		I			
Course Co	ode	5128				Course Catego	ry Si	pecialize	ed / Compulsory	
Class Forr	mat	Lecture				Credits	S	chool Cr	redit: 1	
Departme	ent	Mechani	cal Engine	eering		Student Grade	19	st		
Term		First Ser	nester			Classes per We	eek 2			
Textbook	and/or					•				
Teaching	Materials									
Instructor	-	TANAKA	Seiichi							
Course	Objectiv	es								
(1) Under processing (2) Under (3) Can ci (4) Can ci	stand and g, and trar stand how reate grap reate prese	can explain nsmitting in to use the hs, tables, entation ma	n the important in the important of the	ortance n. at schoo tific and nd delive	of information eth ol, and can act wh technical docume r presentations.	iics and security ile keeping in m ents (reports and	, and bas ind the va d papers)	ic comp arious r	uter knowledge for collecting, ules in an information society.	
Rubric						1				
			Ideal L	evel		Standard Level			Unacceptable Level	
Achievem	ent 1		Unders explain inform and ba for coll transm	stand and the imp ation eth asic comp lecting, p nitting ini	d can accurately portance of nics and security, puter knowledge processing, and formation.	Understand an importance of ethics and secu computer know collecting, proc transmitting in	d can exp informatio urity, and vledge for cessing, a formatior	olain the on basic r ind า.	Do not understand the importance of information ethics and security, and basic computer knowledge to collect, process, and transmit information.	
Achievem	ent 2		Can dis what t better commu probler inform handle	scuss wil hey can informat unicate t ms that ation soo them w	th others about do to make a ion society. Can heir ideas about may arise in an ciety, and how to hen they arise.	Can put the thi to make a bett society into act about problem in an informati handle them w	ings they er inform tion. Can s that ma on society hen they	can do lation think ay arise y, and arise.	Do not understand what they can do to make a better information society. Do not understand problems that may arise in an information society, and how to handle them when they arise.	
Achievem	ent 3		Can ac tables, technic and pa	curately and scie cal docur apers).	produce charts, entific and nents (reports	Can create charts, tables, and scientific and technical documents (reports and papers).			Cannot produce charts, tables, or scientific and technical documents (reports or papers).	
			Can ac presen deliver	curately tation m clear pr	create aterials and esentations.	Can create presentation materials and deliver presentations.			Cannot create and deliver presentation materials.	
Assigne	d Depar	tment Ob	jectives	S						
Teachin	g Metho	d								
Outline		In the be basic con and use necessar presenta Engineer	eginning omputer kr the netwo y to orga tions in o ring using	inning of the lecture, students will understand the importance of information ethics and security, puter knowledge for collecting, processing, and transmitting information, and learn how to register ie networks and various systems in the school. After this, students will study the techniques to organize data, produce scientific and technical documents (reports and papers), and practice ons in order to conduct experiments, exercises and research in the Department of Mechanical ing using computers.						
Style		Based or the over and exer	n the text view. The cise in th	the text that will be distributed at the beginning of the class, students will learn what were shown in ew. There will be slide-based lectures in the Information Media Center, and a computer-based work ise in the lab.						
Notice		(1) Exer accordar and to b Students (2) If stu However (3) Stud Students	cise in the nce with t ecome fai do not n udents are r, there is ents shou s who mis	ise in the class use computers. It is important to actively utilize the Information M ce with the methods and rules of use of the school network (7. Information Cente come familiar with computers (especially Office and other software) even outside do not need to prepare their own personal computer. dents are not familiar with keyboard operation, they should practice keyboard oper there is no opportunity to practice during the class, so students will need to prac- ints should prepare their own file binders for organizing lecture materials.						
Charact	eristics of	of Class /	Divisio	n in Le	arning					
☑ Active	Learning		⊠ Aide	ed by IC	Т	☑ Applicable t	o Remote	e Class	Instructor Professionally Experienced	
Course	Plan	1 1					1			
			Theme				Goals			
		1st	Class guid How to u information	dance se the Ir on societ	nternet at school; ty and how to har	Problems in an Idle them	Can expl Understa and the	lain the and and safe use	objectives of the course. can explain information moral, e of information.	
		2nd	What is a	a comput	er and how it is u	sed	Understa use com	and the puters a	hardware and software, and can at the school.	
1st Semeste	1st	3rd	Use of th	e interne	et 1		Understa emails.	and the	network and can send and receive	
r	Quarter	4th	Use of the	e interne	et 2		Understa can use	and how various	I to use the campus network and services.	
		5th	How to w	vrite scie	nce and technolog	gy documents	Understa science a	and and and tech	l can explain the importance of hology documents.	
		6th	Use of sp	readshe	et software 1		Understand and early and graphs in sci documents.		can practice how to make tables entific and technological	

		7th	Use of	spreadsheet softwa	are 2		Can organize spreadsheet	e data and draw a <u>c</u> software.	graph using		
		8th	No mio	lterm exam							
		9th	Use of	word processing sc	oftware 1		Understand sentences in documents a them.	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 scientific and technical documents containing information such as tables and graphs.				
	2nd	11th	How to	conduct a present	ation	Understand and can explain the importance and rules of presentations.					
	Quarter	12th	Use of	presentation softw	are 1		Can plan pre materials.	Can plan presentations and create presentation			
		13th	Use of	presentation softw	are 2		Can plan pre materials.	sentations and crea	ate presentation		
		14th	Practic	e of presentation 1			Can transfer	/gather informatior	by presentation.		
		15th	Practic	e of presentation 2			Can transfer	/gather informatior	by presentation.		
		16th	Final e	xam							
Evaluat	ion Met	hod and	d and Weight (%)								
		Exercises		Presentation	Mutual Evaluations between students	Behavior		Portfolio	Total		
Subtotal	Subtotal			20	0	0		0	100		
Basic Proficiency 0 Specialized 80 Proficiency 80 Cross Area 0 Proficiency 0		0		0	0	0		0	0		
		80		20	0	0		0	100		
		0		0	0	0		0	0		

A	kashi Co	llege		Year	2023			Course Title Design and Drawi			n and Drawing I A
Course	Informat	ion									
Course Co	ode	512	9			Course Ca	ateg	ory	Specializ	ed / Con	npulsory
Class Forr	nat	Prac	tical trai	ining		Credits			School C	redit: 1	. ,
Departme	ent	Mec	hanical E	Engineering	Student G	Grade	9	1st			
Term		First	Semest	ter		Classes p	er W	'eek	2		
Textbook Teaching	and/or Materials					·					
Instructor	-	SHI	Fenghui								
Course	Objectiv	es									
(1) Under (2) Can d them.	stand the esign majo	standa or parts	rds of m s of vario	nechanical drav ous machinery	ving and can and equipme	accurately creatent based on the	ate c neir s	lrawings specifica	s of mecha tions, and	anical pa l create	rts, etc. production drawings of
Rubric											
			I	deal Level		Standard	Leve	el		Unacc	eptable Level
Achievem	ent 1		L n fi	Inderstand the nechanical drav ully accurately f mechanical p	ngs Understan mechanic accurately drawings etc.	Understand the standards of mechanical drawing and can accurately create production drawings of mechanical parts,			Do no standa drawii create mecha	t understand the ards of mechanical ng and cannot accurately e production drawings of anical parts, etc.	
Can fully design major parts of various machinery andCan design r various machinery andAchievement 2equipment based on their specifications, and createequipment based on their specification or production drawings of them.					in m nachi nt ba ions, n dra	ajor par nery an sed on t and cre awings c	ts of d heir ate of them.	Canno variou equipi specif produ	nt design major parts of is machinery and ment based on their ications, and create ction drawings of them.		
Assigne	d Depart	ment	: Objec	tives							
Teachin	g Metho	d									
Outline		Students will learn the basic knowledge and rules of mechanical design drawings necessary to promachines that are useful in living, and they will master drawing techniques. This course will be held in a lecture style, and taught by a faculty member who is engaged in me design in a company. He will use his experience to teach students how to represent drawings, including the statement of the sta						cessary to produce ngaged in mechanical drawings, including the vings.			
Style		Lect	ures will	l be given in lin	e with the te	extbook, and pr	actio	ce proble	ems will b	e assign	ed.
Notice We will use many things submitted by				the textbook, h to learn, stude y the due date	nandouts, etc ents should p more of class	to accumulat practice with pa	e kn atien eliaił	owledge ce and p ole for e	e and lear persevera	n about nce. Assi	rules. While there are ignments must be
Charact	eristics o	of Cla	ss / Div	vision in Lea	rnina		engi		<u>raiaacioni</u>		
□ Active	Learning			□ Aided by ICT			to Remo	ote Class	☑ Ins Exper	structor Professionally ienced	
			-							•	
Course	Plan										
			The	eme				Goals			
		1st	Mac scal repi	chine definition le, line, charact resentation	s and design er type, and	drawing, draw drawing	ing	Learn and ch	about JIS naracter t	standar ypes, etc	ds, drawing scale, line
		2nd	Тор	view drawing				Learn	top view	drawing	
		3rd	Dra	wing exercise	[1] (how to u	use drawing too	ols,	Can di	raw a hoo	k in the	exercise of top view
	1st Quarter	4th	Pro	<u>s, top view dra</u> jection drawinc	wing) 1 (1)			Learn	ng. third-ang	le projec	tion and orthographic
		5th	Broi	ioction drawing	(2)			Loarn	orthogram	niy. bic proj	oction drawing
		5th		iliary projectio	n drawing			Learn	auviliary	projectio	n drawing.
1+		7th	Sec	tion view draw	ing (1)			Under	stand sec	tion view	u drawing.
Semeste		8th	Dra	wing exercise (or short test			Drawii	na exercis	e or sho	irt test
r		9th	Sec	tion view draw	ing (2)			Learn and pa	full section full section	n view, ion view	one-sided section view, drawing.
		10th	Sec	tion view draw	ing (3)			Learn	multi-sec	tion viev	v drawing.
		11th	Spe	cial projection	drawing			Learn	special pr	ojection	drawing.
2nd 12th			Dim	nensioning (1)				Learn	dimensio	ning.	e
	Quarter	13th	Dim	nensioning (2)				Learn	dimensio	ning.	
14th D			Dim	nensioning (3)				Learn	dimensio	ning.	
15th Three-dimension			ee-dimensiona	l drawing			Learn view a	three-dim nd cabine	nensiona et projec	l drawing using isometric tion.	
		16th	Fina	al exam							
Evaluati	on Meth	od ar	nd Weig	ght (%)							
			Examina	ation	Exercise	S		Behavio	r		Total
Subtotal			50		50		(0			100
Basic Prof	iciency		0		0		()			0
Specialize	d Proficien	су	50		50		(C			100

Cross Area Proficiency	0	0	0	0

Akashi College		ollege	Year	2023		C	Course Title	Design and Drawing I B	
Course	Informa	tion							
Course Co	ode	5130			Course Categ	lory	Specializ	zed / Compulsory	
Class Forr	mat	Practical	training		Credits		School C	Credit: 1	
Departme	ent	Mechani	cal Engineering		Student Grad	е	1st		
Term		Second	Semester		Classes per V	Veek	2		
Textbook Teaching	and/or Materials								
Instructor	-	SHI Fen	ghui						
Course	Objectiv	es							
(1) Under (2) Can d them.	stand the esign majo	standards or parts of	of mechanical dra various machinery	wing and can accu y and equipment b	urately create based on their	drawing specifica	s of mech ations, and	anical parts, etc. d create production drawings of	
Rubric			.						
			Ideal Level		Standard Lev	el		Unacceptable Level	
Achievem	ent 1		Understand the mechanical dra fully accurately of mechanical	e standards of awing and can / create drawings parts, etc.	Understand t mechanical d accurately cre drawings of r etc.	he stanc rawing a eate pro nechanio	lards of and can duction cal parts,	Do not understand the standards of mechanical drawing and cannot accurately create production drawings of mechanical parts, etc.	
Achievem	ent 2		Can fully desig various machin equipment bas specifications, production dra	n major parts of nery and sed on their and create wings of them.	Can design m various mach equipment ba specifications production dr	najor par inery an ased on , and cro rawings	rts of nd their eate of them.	Cannot design major parts of various machinery and equipment based on their specifications, and create production drawings of them.	
Assigned Department Ob			niectives		II				
Toachin	a Motho	d	Jeenves						
Teachin	y metho	Studente	will loarn the ha	sic knowlodgo and	rulos of moch	anical d	ocian dra	wings possesany to produce	
Outline		This cou design ir	s that are useful in rse will be held in a company. He on drawings and	in living, and they a lecture style, ar will use his experie how to draft draw	will master dr nd taught by a ence to teach s	awing te faculty students	member v how to repears, sha	whigs necessary to produce who is engaged in mechanical epresent drawings, dimensioning, iff, bearing and screws.	
Style		Lectures	will be given in li	ine with the textbo	ok, and practi	ce probl	ems will t	be assigned.	
Notice		We will many th submitte Students	use the textbook, ings to learn, stud ed by the due date s who miss 1/4 or	handouts, etc. to dents should pract e. ⁻ more of classes v	accumulate kr ice with patier vill not be eligi	nowledge nce and ble for e	e and lear persevera evaluation	n about rules. While there are nce. Assignments must be	
Charact	eristics of	of Class /	Division in Learning						
Active	Learning		□ Aided by IC	T	☑ Applicable	to Rem	ote Class	 Instructor Professionally Experienced 	
Course	Plan	1 1							
			Theme			Goals			
		1st	Dimensional toler	rances and fit (1)		Can understand dimension tolerances and fit.			
		2nd	Dimensional toler	rances and fit (2)		Can n drawi	Can mention dimension tolerances and fit in the drawings.		
		3rd	Geometric tolerar	nce representation	(1)	Under geom	stand the etrical tol	e definition, type, etc. of erances.	
	3rd Quarter	4th	Geometric tolerar	nce representation	(2)	Can a the dr	ccurately awings.	mention geometric tolerances in	
	Quarter	5th	Surface texture r	epresentation		Under the dr	rstand sur rawings.	face texture and can mention it in	
		6th	Fastening compo screws)	nents (method of	displaying the	Can d	raft draw	ing of the fastening parts.	
and		7th	Drawing exercise	(fastening parts)		Drawi	ing		
Semeste		8th	Drawing exercise	or short test		Drawi	ng exerci	se or short test	
ſ		9th	Bearing represen	tation		Can ic to dra	lentify the	e types of roller bearings and how gs.	
		10th	Gear representat	ion (1)		Can io	dentify the ch part.	e types of gears and the names of	
		11th	Gear representat	ion (2)		Can c	reate a st	andard flat gear drawing.	
4th <u>12th</u> Ouarter			Drawing exercise Production drawi	e (rotary shaft and ngs (assembly dra	gears) wings and par	Can c	reate drav	wings of rotary shafts and gears.	
		13th 14th	diagrams) Drawing exercise	(screw jack)		Can c	reate proc	embly and part diagrams	
		1 5+6	Examples of appl	ication of mechani	cal elements				
		15ťN	and the AutoCAD	Mechanical exper	ience	Can h	Can have an AutoCAD Mechanical experience.		
Evaluat	 								
	ion meth		vergrit (%)	Evereises		Rohavi-	.r.	Total	
L		EXd		L'XEI CISES			11	rotai	

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		Co	ourse Fitle	Manufacturing Engineering Practice I A
Course	Informa	tion						
Course Co	ode	5131			Course Categor	rv	Specializ	ed / Compulsory
Class For	mat	Practical	training		Credits	,	School C	redit: 1
Departme	ent	Mechani	cal Engineering		Student Grade		1st	
Term		First Ser	nester		Classes per We	ek	2	
Textbook	and/or Materials				• •			
Instructor	r	КАТОН	Takahiro OHMORI	Shigetoshi				
Course	Ohiectiv	/es		Singetteen				
(1) Can c	arry out e	<u>cs</u> xercises hav	sed on procedure	s and instructions				
(2) Can u (3) Can r (4) Can c (5) Can a (A) U (B) U (C) U	se the equ eport in w arry out ex cquire bas nderstand nderstand nderstand	ipment and riting, orally xercises by sic knowledd the basics the basics the basics	d devices correctl , etc. working together ge and skills in m and precautions and precautions and precautions	y. as a group. echanical engineei of sand casting, ar of welding and car of hand-finished w	ring. nd can cast alum n use arc welding rork, and can pei	iinum. g. rform di	rilling, ta	pping with tap dies, and marking.
Rubric								
			Ideal Level		Standard Level			Unacceptable Level
Achievem	ient 1		Can fully carry based on the i procedures pro	out exercises nstructions and ovided.	Can carry out e on the instructi instructions pro	exercise ions and ovided.	s based d	Cannot carry out exercises based on the instructions and instructions provided.
Achievem	vement 2 Can use equipment and devices Can use equipment 2 correctly. Can use equipment and devices correctly.					nent an	d device	s Cannot use equipment and devices correctly.
Achievem	ient 3	Can report sufficiently in Can report in writ writing, orally, etc. etc.				vriting, o	orally,	Cannot report in writing, orally, etc.
	Can carry out exercises by working together as a group while encouraging other members				exercise er as a	s by group.	Cannot carry out exercises by working together as a group.	
			Understand th precautions of can accurately	Understand the precautions of s can cast alumir	e basics sand ca num.	and Isting, an	Do not understand the basics and precautions of sand casting, and cannot cast aluminum.	
			Understand th precautions of and can fully p lathe machinin	Understand the basics and Uprecautions of lathe machining, and can fully perform basic lathe machining.			and achining lathe	Do not understand the basics , and precautions of lathe machining, and cannot perform basic lathe machining.
			Understand th precautions of and can accura drilling, threac and marking.	e basics and hand-finishing, ately perform ling with tap dice	Understand the precautions of and can perform threading with marking.	e basics hand-fir m drillin tap dies	and nishing 1g, s, and	Do not understand the basics and precautions of hand- finishing, and cannot perform drilling, threading with tap dice, or marking.
Assigne	d Depar	tment Ob	ojectives	ectives				
Teachin	a Metho	d	-					
Outline		The cour Understa develop	rse involves basic and basic techniq safe working prac	exercises to beco ues through basic ctices and habits.	me familiar with working motions 3. Develop a hab	individ s. 2. Ma pit of de	ual elements ster the aling wit	ental work. The goals are: 1. correct working procedures and h things guantitatively.
Style		Students In additi	s will split into six on, we will go on	groups and carry a factory tour to o	out different ass deepen knowledg	signmer ge of pr	nts in tur oduction	n. methods.
Notice		Wear pro explanat machine Students	oper protective ection by the instruction by the instruction of the instruction of the second states and tools used as who miss 1/3 or	uipment. Always tor on the structu	take responsible re, function, and will not be eligible	e action, d operat e for ev	, and wor tion of th aluation.	rk safely. Listen carefully to e equipment. Correctly handle the
Charact	eristics	of Class /	Division in Le	earning				
Active	Learning		□ Aided by I	CT	☑ Applicable to	o Remo	te Class	Instructor Professionally Experienced
					1			
Course	Plan							
			Theme			Goals		
		1st	Introduction edu	cation I (Kato and	Omori)	Unders	tand how	w to use the training factory.
		2nd	Introduction edu	cation II (Kato and	d Omori)	Unders instrun micron	tand the nents and neters.	basics of measurement d use vernier calipers and
1st . 1st				ercise I (Kato and	Omori)	Unders the cas stamps	tand the ting tool	history of castings, the names of s, and how to use sticks and
r	Quarter	4th	Casting basic exe	ercise II (Kato and	Omori)	Unders mold, h in the u	tand how now to ca upper mo	w to measure the hardness of the ast in the lower mold, how to cast old, and how to make the funnel
		5th	Casting basic exe	ercise III (Kato and	l Omori)	Unders how to wood r	tand the cut the nold.	types and roles of the ingrates, ingrate, and how to remove the
		6th	Basic casting exe	rcise IV (Kato and	l Omori)	Can ca	st in.	

		7th	Lathing basic exerci	se I (Kato and Omori)		Understand the safety in knowledge of the exerci- structure.	n exercise and working se and understand the		
		8th	Factory tour			Can deepen knowledge system and production of	and insight of production control.		
		9th	Lathing basic exerci	se II (Kato and Omori)		Can perform drilling and	l outer round milling.		
		10th	Lathing basic exerci	athing basic exercise III (Kato and Omori)			Can measure dimensions and perform stepped axial machining.		
		11th	Lathing basic exerci	se IV (Kato and Omori)		Can perform end facing	and finishing.		
	2nd	12th	Hand-finishing basic	c exercise I (Kato, Omori)	Understand correct use of hand tools such as file				
	Quarter	13th	Hand-finishing basic	c exercise II (Kato, Omori)		Can perform threading v	with tap dice.		
		14th	Hand-finishing basic	c exercise III (Kato, Omori)		Understand the basic us	e of marking and tools.		
		15th	Hand-finishing basic	c exercise IV (Kato, Omori)		Can perform drilling with or electric drills.	h small drilling machines		
		16th	No final exam	No final exam					
Evaluati	ion Meth	iod an	nd Weight (%)						
			Report	the work	B	ehavior	Total		
Subtotal			60	20	20	0	100		
Basic Prof	ic Proficiency 0		0	0	0		0		
Specialize	Specialized Proficiency 60		20	20	0	100			
Cross Are	a Proficier	псу	0	0	0		0		

A	kashi Co	ollege	Year	2023		Course Title	Manufacturing Engineering Practice I B		
Course	Informa	tion		1					
Course Co	ode	5132			Course Catego	ry Special	ized / Compulsory		
Class Form	mat	Practical	training		Credits	School	Credit: 1		
Departme	ent	Mechani	cal Engineering		Student Grade	1st			
Term		Second	Semester		Classes per We	eek 2			
Textbook Teaching	and/or Materials	Hand ou	ts						
Instructor	-	КАТОН -	Takahiro,OHMORI	Shigetoshi					
Course	Objectiv	es							
(1)To con (2)Can u (3)Can m (4) To con (5)To can (a)Unde (b)Unde (c)To d vehicles t	duct pract se correct ake writte nduct prac acquire b erstand the erstand the isassemble hrough dis	ical training by the equip n and spok tical trainir asic knowle basics and basics and asser and asser basics and asser	g based on instru- oment and machi en reports. Ig in cooperation edge and skills rel d precautions of la d precautions of r nble machines us and assembly an a	ictions and proced nery ated to mechanica athe work and to p nilling work and poing tools correctly. automobile.	dure manual Il engineering. perform basic tu erform basic cut To understand	Irning work. ting work. the correct use	e of tools and the mechanism of		
Rubric									
			Ideal Level	n fully prosting	Standard Level	n nun ation han	Unacceptable Level		
Achievem	ent 1		based on the p manuals and in prepared in ad	n fully practice procedure nstructions vance.	on the procedu instructions pro advance.	in practice base ire manuals an epared in	d based on the procedure manuals and instructions prepared in advance.		
Achievem	Achievement 2 The student can cor use the equipment a machinery.				The student ca the equipment	n correctly use and machiner	The student can correctly not use the equipment and machinery.		
Achievem	ent 3		The student ca understandabl reports.	an elaborate e written and oral	The student ca written and ora	n elaborate al reports.	The student can elaborate not written and oral reports.		
Achievement 4			The student ca practical training cooperating in encouraging of	an conduct ng while the group and thers.	The student ca practical trainir cooperating in	n conduct ng while the group.	The student can not conduct practical training while cooperating in the group.		
Achievem	ent 5 (a))	The student ca accurately.	an use welding	The student ca basics and pred welding and ca welding.	n understand t cautions of in use arc	the student can not understand the basics and precautions of welding or can not use arc welding.		
Achievem	ent 5 (b))	The student ca basics and pre milling work, a sufficiently per cutting work.	an understand the cautions of Ind can form simple	The student ca basics and pred milling work, a simple cutting	n understand t cautions of nd can perforn work.	The student can not understand the basics and precautions of milling work, and can not perform simple cutting work.		
Achievem	ent 5 (c)		The student ca understand the machine from assembly this	he student can fully nderstand the structure of a nachine from disassembly and ssembly this machine.			the Student can not understand the structure of a machine from disassembly and assembly this machine.		
Assigne	d Depar	tment Ob	ojectives						
Teachin	g Metho	d							
Outline		To becon simple w machine	me familiar with b vork operations. 2 s safely.3. Develo	pasic practical and . Learn the correc op a habit of dealir	individual work t work procedur ng with things qu	1. Understand res and develop uantitatively.	and acquire basic technics through attitudes and habits to operate the		
Style		The stuc	lents are organize deepen the stude	ed into six groups a ents' knowledge of	and will carry ou production met	ut practical exe hods.	rcises in rotation. Also, a factory		
Notice	Notice To wear protective equipment correctly, a instructor's explanation of the equipment correctly. Students who miss 1/3 or more of classes					sibly, work safe n, and operatic le for evaluatio	ly and listen carefully to the m, yo handle the machines and tools n.		
Charact	eristics	of Class /	Division in Le	arning					
□ Active	Learning		□ Aided by I0	л Л	Applicable t	o Remote Clas	S D Instructor Professionally		
							- Internet - Internet		
Course	Dlan								
Course	ria[]		Theme			Goals			
		1ct	Wolding Basic Tr	aining I (Kato / On	nori)	To understand	welding principles, welding work		
	1st W			aining I (Kato / O	mori)	safety and ho To understand	w to wear protective gear properly. I welder structure and its tools, to		
2nd	3rd	2.1.0				generate arcs			
Semeste r	Quarter	3rd	weiging Basic Tra	aining III (Kato / C	umori)	To do straight	and weaving beads		
		4th	Welding Basic Tra	aining IV (Kato / C)mori)	welding.	ary attachment work and fillet		
		5th	Milling basic train	iing I (Kato / Omo	ri)	Understand the structure and how to perform milling training safely.			

		6th	Milling basic	training II (Kato / O	mori)	To ma millin	anufacture a square pil g cutter.	lar using a face	
		7th	Milling basic	training III (Kato / C)mori)	To ma millin	anufacture a square pil g cutter.	lar using a face	
		8th	Factory tour			Can d produ	Can deepen your knowledge and insight of production systems and production management.		
		9th	Milling basic	training IV (Kato / C	mori)	Understand the conditions for manufacturing a square pillar using a face milling cutter			
		10th	Vehicle disas (Omori)	sembly and assembl	y training I	Understand the basic principles to hand tools.			
		11th	Vehicle disas (Omori)	sembly and assembl	y training II	Unde	rstand the basic princip	les to hand tools.	
	4th	12th	Vehicle disas (Omori)	sembly and assembl	y training III	To disassemble and understand the structure of a four-wheel buggy.			
	Quarter	13th	Vehicle disas (Omori)	sembly and assembl	y training IV	To as	semble the disassembl	ed four-wheel buggy.	
		14th	Assignment	Assignment			ately summarize the k red in the practical trai	nowledge and skills ning.	
		15th	Factory visit	field trip (Kato / On	nori)	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	nation	Assignments	Product		Behavior	Total	
Subtotal		0		60	20		20	100	
Basic Prot	ficiency	0		0	0		0	0	
Specialize Proficienc	Specialized Proficiency			60	20		20	100	
Cross Are Proficienc	a Xy	0		0	0		0	0	

A	kashi Co	llege	Year	r	2023		Cc T	ourse Title	Practice on Mechanical Engineering I A
Course	Informat	ion							
Course Co	ode	5133				Course Catego	ry s	Specialize	ed / Compulsory
Class For	mat	Practica	training			Credits		School C	redit: 1
Departme	ent	Mechani	cal Engineerir	ng		Student Grade	:	1st	
Term		First Ser	nester			Classes per We	eek 2	2	
Textbook Teaching	and/or Materials	Handout	:						
Instructor	r	MORISH	ITA Tomohiro)					
Course	Objectiv	es							
(1) Engin (2) Engin (3) Creati (4)Comm (5) Collab (6)Engine acquire da	eering Bas eer ethics: ivity: As ar unication so orativenes eering litera ata from it	ics: Explain Explain th engineer, kills: To b s: To be a acy: Under	n the relations e relationship explain the n e able to write ble to work in stand the inst	ship l betv nean e and grou ructi	between mechanical ween mechanical ing of creativity. d speak compressi ups and consult of ion manual for pra	cal engineering and engineering and bly, listen and u chers. actical work, and	and scie nature/ understa d safely (nce. 'society. nd other operate 1	s' opinions. the instruments and correctly
Rubric						1			
			Ideal Leve			Standard Level			Unacceptable Level
(1) Engin	(1) Engineering Basics			nt ca p be ll eng d ap e to e	n explain the tween gineering and ply scientific engineering	The student ca relationship be mechanical eng science.	in explai tween gineering	n the g and	The student can not explain the relationship between mechanical engineering and science.
(2) Engin	(2) Engineer ethics			nt ca p be il eng ciety, s/he	n explain the tween gineering and practice and r opinions.	The student ca relationship be mechanical eng nature/society.	in explai tween gineering	n the g and	The student can not explain the relationship between mechanical engineering and nature/society.
(3) Creati	(3) Creativity			The student can explain the meaning of creativity as an engineer and be able to develop and attribute new value to other people creations.			in explai eativity a	n the is an	The student can not explain the meaning of creativity as an engineer.
(4) Comn	(4) Communication skills			The student can write and speak compressibly, listen and understand others' opinions, ask questions to allow a better comprehension of the topic.			in write sibly, lis iers' opi	and sten and nions.	The student can not write or speak compressibly, listen or understand others' opinions.
(5) Collab	orative ab	ility	The studer opinions w work toget	nt ca vith e cher.	n exchange each other and	The student ca group work.	in coope	rate with	The student can not cooperate with group work and works alone.
(6) Engin	eering liter	асу	The student can understand the instruction manual for practical work, and safely operate the instruments and correctly acquire reliable data from the equipment.			The student can understand the instruction manual for practical work, and safely operate the instruments and correctly acquire data from the equipment.			e The student can not understand the instruction manual for practical work and can not safely operate the instruments or acquire data from the equipment.
Assigne	d Depart	ment Ol	ojectives						
Teachin	g Metho	d							
Outline		Acquire creative	essential know work and ma	wled nufa	ge as a mechanica cturing. Understa re and society	al engineer throind the relations	ugh prac hip betw	ctical lear veen med	rning and experience how fun is chanical engineering and science
Style		To deep	en understand	dina	of the knowledge	acquired in lect	ures and	d experie	encing it practically.
Notice		To be al actively.	ble to self lear	n an	d participate posit	cively to engage	in the s	ubseque	nt study of specialized subjects
Charact	oristics of	f Class	Division in	<u>, e ex</u>	arning				
	Learning	n Ciass /			T	Applicable t	n Remo	te Class	Instructor Professionally
Active	Learning			Jy IC	· I				Experienced
Course	Plan								
Course			Themo				Goale		
			Mechanical F	nain	eering and Natura	Sciences (1)	To evol	ain the c	lefinitions of machinery and
	1st			arnir	eering and Natura eering and Natura	ineering!	enginee To be a	ering.	emonstrate examples of natural
1st	1st	2nd	Simple Physic to Mechanica	cs Ex I Eng	periments and Its gineering	Applications	phenon machin	nena and es.	l laws of nature applied to
Semeste r	Quarter	3rd	Machine Stru paper crane	cture 1	e and Strength (1)): Making a	To be a	ble to gi	ve shape to ideas.
		4th	Machine strue contest 1	cture	e and strength (2)	: Load capacity	To safe	ly operat	ted measuring instruments.
		5th	Machine Stru review	cture	e and Strength (3)): Contest	Explain	the mea	aning of creativity as an engineer.

		6th	Machine Stru strength char and how the	cture and Strength (4) nges according to struc force is applied.	: How cture, shape	Explai engine	n the relationship betw eering and science.	veen mechanical	
		7th	Machine Stru paper crane 2	cture and Strength (5) 2	: Making of	To crit	ically and scientifically and apply them.	evaluate the ideas of	
		8th	Machine Stru capacity cont	cture and Strength (6) est 2	: Load	To observe the works of others and ana scientifically and logically.			
		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	ion of Link	To inv mecha	estigate into some app nism.	blications of link	
	11th Machine M			hanism (2): Link Mech	anism	To foll can as	ow the manual and se semble some models of	lect some right parts, of link mechanism.	
	2nd Ouarter	12th	Machine Mecl Reproduction	hanism (3): Observatio of Toy Motion	on and	To be toy co coope link m measu	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 Engineering and Nature / Society (1): History of Mechanical Engineering and Coexistence with Nature				blain the relationship b eering and nature.	etween mechanical	
		14th	Mechanical E History of Me Coexistence	ngineering and Nature chanical Engineering a with Society	/ Society (2): Ind	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					
Evaluati	on Meth	od and	Weight (%)						
		Effort a	ttitude	work	Assignments		Presentation	Total	
Subtotal		10		40	35		15	100	
Basic Prof	c Proficiency 0		20	20		5	45		
Specialize Proficienc	Specialized 0			5	0		5	10	
Cross Are Proficienc	a y	10		15	15		5	45	

A	kashi Co	ollege	Year	2023		Cou Tit	irse tle	Practice on Mechanical Engineering I B
Course	Informa	tion	•					
Course Co	ode	5134			Course Catego	rv Sr	pecializ	ed / Compulsory
Class Forr	mat	Practica	Itraining		Credits	Sc	chool C	redit: 1
Departme	ent	Mechani	cal Engineering		Student Grade	1s	st	
Term		Second	Semester		Classes per We	eek 2		
Textbook Teaching	and/or Materials	Hand ou	its					
Instructor	r	КАТОН	Takahiro,OHMOR	[Shigetoshi				
Course	Obiectiv	es	·					
 Funda Engina Creati Creati Comm Basic and creati Engina Engina 	amentals c eering eth ive ability: nunication skills: Can e models eering lite nts and ob	f engineeri ics: Can ex Can explai skills: Can understan with it. racy: Can u tain data.	ng: Can explain t plain the relations n the meaning of write and speak d the characterist inderstand the ins	he relationship bet ship between mec creativity as an er so that others und tic concepts of 3D- structions for pract	ween mechanic hanical engineer ngineer. erstand, and ca CAD, which is a tical training and	al enginee ring and n n listen to ilso one of d follow th	ering an ature a and un f the co nem to	nd science. and society. nderstand others' opinions. ommunication tools of an engineer, safely operate measuring
Rubric					1			- 1
			Ideal Level		Standard Leve			Unacceptable Level
Achievem	ient 1		Can explain th between mech engineering ar apply scientific engineering is	e relationship nanical nd science, and c knowledge to sues.	Can explain the between mech engineering an	e relations anical nd science	ship	Cannot explain the relationship between mechanical engineering and science.
Achievem	evement 2 Can explain the relationship between mechanical engineering and nature and society, and can apply it to one's thoughts and actions.				Can explain the creativity as ar	e meaning n engineer	g of r.	Cannot explain the relationship between mechanical engineering and nature and society.
Achievem	ient 3		Can explain th creativity as a use others' creative others' creative others' creative.	e meaning of n engineer, and eativity to create	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	ient 4		Can write and others undersi others' opinior appropriate qu one's own and understanding	speak so that tand, listen to is, and ask jestions to deepen l other's	Can write and others underst listen to and u opinions.	speak so t and, and nderstand	that can I others	Cannot write or speak so that others understand. Also, cannot understand others' opinions.
Achievem	ient 5		Can fully unde characteristic CAD and creat with it	erstand the concepts of 3D- ce models freely	Understand the characteristic concepts of 3D-CAD and can create models of mechanical parts, etc.			Do not fully understand the characteristic concepts of 3D- CAD and cannot create models with it
Achievem	ient 6		Can understar for practical tr them safely ar operate measu and obtain reli	nd the instructions aining and follow and properly to uring equipment able data.	Understand the instructions for practical work and can follow them to safely operate measuring equipment and obtain data.			 Do not understand the instructions for practical training and cannot follow them to operate measuring equipment properly and safely.
Assigne	d Depar	tment Ol	ojectives					
Teachin	ig Metho	d						
Outline		Student and inge	s will gain basic a enuity. They will ι nce of nature and	bilities as a mecha Inderstand the rela	nical engineer b ationship betwee	oy empirica en mechai	ally lea nical er	rning the joy of manufacturing and science and the
Style		Student	s will gain knowle their understandi	dge in lectures he	ld in an omnibus	s format, a	and exp	perience it in practical training to
Notice		In order directed Student	to actively engages approach to lear s who miss 1/3 or	ge in the study of t ning. r more of classes v	the future profestive will not be eligib	ssional cou le for eval	urses, s uation.	students should learn a self-
Charact	eristics	of Class /	' Division in Le	earning		-		
□ Active	Learning	,	☑ Aided by IC	 CT	Applicable 1	to Remote	e Class	Instructor Professionally Experienced
			1		•			- · ·
Course	Plan							
			Theme			Goals		
		1st	Assembly in 3D-	CAD (1) (Omori)		Can unde	erstand	l assembly principles in 3D-CAD.
		2nd	Assembly in 3D-	CAD (2) (Omori)		Can unde	erstand	l assembly principles in 3D-CAD.
		3rd	Drawing product	ion using assembly	y (1) (Omori)	Can crea	te drav	vings that contain assemblies.
2nd	3rd	4th	Drawing product	ion using assembly	y (2) (Omori)	Can crea	te drav	vings that contain assemblies.
r	Quarter	5th	Drawing product	ion using assembly	y (3) (Omori)	Can create drawings that contain assemblie		
		6th	Drawing product	ion using assembly	y (4) (Omori)	Can crea	te drav	vings that contain assemblies.
		7th	Disaster preventi (katoh)	ion contest: Guida	nce and DIG	Can discu such as e Akashi Ci	uss with earthqu ity, and	hin a group the impact of disasters Jakes and floods from a map of d study possible countermeasures.

		8th	Disaster prev (katoh)	ention coi	ntest: Guidance a	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 prev and robot pro	ention co duction (ntest: Ideas conf katoh)	erence,	Can hold an idea confer missions in the disaster robots to complete ther	Can hold an idea conference in teams about missions in the disaster field, and make prototype robots to complete them.			
		10th	Disaster prev	ention co	ntest: Pre-contes	st (katoh)	Can clear the missions i identify problems using robot.	n the disaster field or each team's prototype			
		11th	Disaster prev (katoh)	ention coi	ntest: Robot imp	rovement	Can propose improvement identified in the pre-con robots in teams.	ent plans to the problems itest and improve the			
	4th Quarter 12th 13th		Disaster prev	ention co	ntest: Presentatio	on (katoh)	Can present the ideas and features of robots produced by each team.				
			Disaster prev evaluation (k	ention co atoh)	ntest: Contest ar	nd mutual	Can complete the missi using the robots produc reflect on their own effo	ons in the disaster field by ed by each team and then ort within their team.			
		14th	Factory tour				Attend a factory tour ar	nd can create a report.			
		15th	Video learnin	Video learning			Watch video materials r engineering and can wr impression.	elated to mechanical ite a post-study			
		16th	No final exam								
Evaluati	luation Method a		nd Weight (%)								
			Behavior		Works		Issues / Reports	Total			
Subtotal	Subtotal		20	,	40		40	100			
Basic Prof	Basic Proficiency		0		0		0	0			
Specialized Proficiency		ю	0		40		40	80			
Cross Are	a Proficien	су	20		0		0	20			
Akashi College		Year	r 2023			Course Fundamentals of Title Engineering					
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Course	Information	tion									
Course Co	ode	5135			Course Catego	ry	Specializ	ed / Compulsory			
Class Forr	nat	Lecture			Credits		School C	redit: 1			
Departme	ent	Mechanic	al Engineering		Student Grade		1st				
Term		Second S	emester		Classes per We	eek	2				
Textbook Teaching	and/or Materials	The teach	ner will make and	l distribute the ha	ndout.						
Instructor	-	KUBOTA	Ikumi								
Course	Objectiv	es									
1. Can co experimen 2. Can inv	ncisely exp nt activitie vestigate a	blain various s in the field nd analyze	phenomena usir ls of science/mat the subject of int	ng the vocaburary h and engineering erest and write lo	and expression J. gical sentences	s neces: in simpl	sary to p le Japane	articipate in lectures and se.			
Rubric											
			Ideal Level		Standard Level			Unacceptable Level			
Achievement 1			Can adequately and expressior fields of mathe and engineerin various phenor	v use vocaburary ns used in the matics/science g to explain nena.	Can adequately and expression fields of science engineering to phenomena, w the content cov classes.	y use vo is used i e/math explain ithin the vered in	ocaburary in the and various e scope c the	, Cannot use vocaburary and expressions used in the fields of science/math and engineering, and can barely explain various phenomena.			
Achievement 2			Can investigate according to th clear and consi about the serie related to the in	e and analyze e plan, and write stent sentences s of contents nvestigation.	Can investigate plan and write contents relate investigation.	e accord a series d to the	ling to th s of	e Cannot research or write according to the plans.			
Assigne	d Depar	tment Ob	jectives								
Teachin	g Metho	d									
Outline		The object participat knowledg	ctive of this cours te in our school's le in practice. In a in simple Japane	e is to find and ac science/math and addition, the lesso	cquire the basic I specialized sub ons are aimed at	knowled jects cla t summa	dge and v asses, an arizing w	vocabulary necessary to d to be able to use the acquired hat you have researched and			
Style		Students vocabular improving	will prepare a pla ry and expression g students' Japan s in Japanese	an and conduct a sins. In other words ese proficiency, b	survey to create , this class is po ut also systema	e a repoi sitioned tically p	rt in para l as a pla erformin	Illel with the acquisition of ce for practicing not only g tasks and writing cohesive			
Notice		Students writing ac	are required not coording to their of who miss 1/4 or	only to participate own plans. more of classes y	e in the lessons, vill not be eligibl	but also	o to proc	eed with surveys and report			
Charact	eristics of	of Class /	Division in Le	ivision in Learning							
☑ Active	Learning		□ Aided by ICT			o Remo	te Class	Instructor Professionally Experienced			
Course	Plan										
		٦	Гheme			Goals					
		1st C	Drientation Survey plan			Unders Can pla want to	stand the an your r o researc	class objectives and content. esearch on the theme of what you h.			
		2nd E	Expressions relate	ed to figures, units	s, and positions	Unders to figur express	tand by l res, units sions to e	ooking at the expressions related , and positions. Can also use explain things around you.			
		3rd E	Expressions relate Creating a plan	ed to substances		Unders Can als you. Can ea	stand exp so use ex sily put t	ressions related to substances. pressions to explain things around ogether a survey plan in Japanese.			
		4th E	Expressions that e	express properties	s and states	Unders and sta things	stand exp ates. Can around y	ressions that express properties also use expressions to explain ou.			
2nd Semeste	3rd Quarter	5th E	Basic hand mover	ments		Unders mover mover	tand ver nents, an nents.	bs that describe basic hand d can use them to explain various			
r		6th E	Basic movements	for moving thing	S	Unders mover explain	tand ver nents to r various	bs that describe the basic move things, and can use them to movements.			
		7th F	Basic movements Revise the plan	that change the s	shape of things	Unders movem can use Can rev teacher	stand ver nents tha e them to vise the p r.	bs that describe the basic t change the shape of things, and o explain various movements. blan yourself with the advice of the			
		8th F	Reflection			Can ex things Japane	plain nev that char se abilitio	v things you found out in class, nged their minds, and how your as and skills have developed.			
	4th Quarter	9th S	Sentence style			Understand the writing style used in reports an treatises, and be able to write sentences in a unified style when writing sentences.					

		10th		Difference between sp Objective expression	oken and written language	Understand the proper Japanese. Can understa for reports and use ther	use of spoken and written nd expressions suitable n when writing sentences.			
		11th		Structure of the report	t	Understand the structur	Understand the structure of the report.			
		12th		Creating a mini-report	:	Can conduct a survey be summarize the survey in appropriate structure.	Can conduct a survey based on the plan and summarize the survey in Japanese with an appropriate structure.			
	13th			Creating a mini-report	:	Can conduct a survey be summarize the survey in appropriate structure.	Can conduct a survey based on the plan and summarize the survey in Japanese with an appropriate structure.			
	14th			Creating a mini-report	:	Can conduct a survey be summarize the survey in appropriate structure.	Can conduct a survey based on the plan and summarize the survey in Japanese with an appropriate structure.			
		15th		Creating a mini-report		Can modify the content, of the report by yoursel advice of the teacher.	, structure and Japanese f with reference to the			
		16th	I	Reflection		Can explain new things things that changed the Japanese abilities and sl	Can explain new things you found out in class, things that changed their minds, and how your Japanese abilities and skills have developed.			
Evaluati	on Meth	od ar	nd W	Veight (%)						
	Pr		Prod	luction work	Submission of assignments	Behavior	Total			
Subtotal	Subtotal 7		70		20	10	100			
Basic Prof	iciency		35		20	0	55			
Specialize	d Proficien	су	0		0	0	0			
Cross Area Proficiency		35		0	10	45				

Course Code Course Code Course Code Course Code Course Code Course Code School Crodit 1 Class Format Lecture Credits School Crodit 1 Course Code Co	A	kashi Co	ollege	Year	2024		C	ourse Title	Japanese II-1	
Course Category Compact Category Catego	Course	Information	tion							
Class Format Lecture Credits School Credit: 1 Department Mechanical Engineering School Credit: 3 Department 2 Term First Senester Classes per Week 2 First Senester (R)= TRAIL (R)= TR	Course Co	ode	6201			Course Categor	ry	General	/ Compulsory	
Department Mechanical Engineering Student Grade 2nd Term First Semester Classes per Week 2 Instructor I	Class Forr	nat	Lecture			Credits		School C	edit: 1	
Term [First Samester [Classes per Weak [2] Textbook and/or [MackTBLIKE] [MackTBLIKE] <td< td=""><td>Departme</td><td>ent</td><td>Mechanic</td><td>al Engineering</td><td></td><td>Student Grade</td><td></td><td>2nd</td><td></td></td<>	Departme	ent	Mechanic	al Engineering		Student Grade		2nd		
Textbook part/or B2D. TMBEL24/EMBEL TMBEL24/EMBEL TMBEL24/EMBEL2 TMBEL24/EMBEL24 TMBEL24/EMBEL24 <td>Term</td> <td></td> <td>First Sem</td> <td>ester</td> <td></td> <td>Classes per We</td> <td>ek</td> <td>2</td> <td></td>	Term		First Sem	ester		Classes per We	ek	2		
Instructor TARCE Assule Course Objectives 1) Understand the structure and development of logical texts (dissertations and commentance) and can summarize them. 2) Can comprehend literary texts (nowle and poens) according to their expression. Standard Level Understand the structure and levelopment of logical texts (dissertations and express their own opinions on the characteristics of that expression. Rubric Index text Standard Level Understand the structure and text (dissertations and commentance) and commentance) and can summarize them. Rubric Index text Standard Level Understand the structure and text (dissertations and commentance) and can summarize them (dissertations and commentance) and can summarize them (dissertations and commentance) and can summarize them (dissertations and commentance). Achievement 2 Inter opinions. Standard Level Understand the characteristics of them (dissertations and commentance). Achievement 3 Correctly understand the kanij and phrases used on a daity. Are interested in the kanij and phrases used on a daity. Achievement 3 To acquire basic knowledge of the Japanese language through the reading of various texts such as motivated at the characteristics of them (dissertations). On yunderstand the can end of the such and and phrases. Style To acquire basic knowledge of the Japanese language through the reading of various text expression. On yunderstand the expre	Textbook Teaching	and/or Materials	『精選論型 習社)	理国語』『精選文学	学国語』(明治書院)	、『精選古典探	究』(第	停一学習社	z)、『新訂総合国語便覧』(第一学 	
Course Objectives 1) Understand the structure and development of logical texts (dissertations and commentaries) and can summarize them. 2) Can comprehend iterary texts (novels and pomes) according to their expression, and express their own opinions on the disparcteristics of that expression. Rubric Ideal Level Standard Level Unacceptable Level Rubric Ideal Level Understand the structure and development of logical texts (dissertations and commentaries) and can summarize them. Cannot summarize logical texts (dissertations and commentaries) and can summarize them. Achievement 1 Ideal Level Understand the structure and development of logical texts (dissertations and comprehensities) regarding their surface and expressions. Concomprehend iterary texts (novels and pomes) according to their expressions and the samplanize them. Achievement 2 Concomprehend iterary texts (novels and pomes) according to their expressions. Concomprehend iterary texts (novels and pomes) according to their expressions. Only understand the general expressions. Achievement 3 Concertify understand the failing of the acture style. Concertify understand the structure and development of logical texts. Assigned Department Objectives To accurite basic knowledge of the japanese language through the reading of various texts such as modern review papers, novels, podry, and classical texts. To develop logical reading and textex pression skills and mate use of them inguistratingly. In a distructify	Instructor	-	TANGE A	tsuko						
1) Understand the structure and development of logical toxts (dissertations and commentaries) and can summarize them. 2) Correctly understand the kanji and phrases used on a daily basis and can use them. Rubric Ideal Level Ideal Level Ideal Level Ideal Level Ideal Level Inderstand the structure and development of logical toxts commentaries) and can be structure and development of logical toxts commentaries) and can be structure and development of logical toxts commentaries) and can be structure and development of logical toxts commentaries) and can be summarize them. Can comprehend literary toxts (novels and poems) according to their expressions, and understand the structure and development of logical toxts commentaries) and can be summarize them. Achievement 2 Achievement 3 Correctly understand the toxts (novels and poems) according to their expressions, and understand the characteristic Concent product to the day of them development of the and of keywords, summarize them. Achievement 3 Achievement 4 Achievement 4 Achievement 5 Achievement 5 Achievement 6 Achievement 6 Achievement 7 Achievement 7 Achievement 7 Achievement 7 Achievement 7 Achievement 8 Achievement 9 Achievel 4 Achievement 9 Achievel 4	Course	Objectiv	es							
Rubric Ideal Level Standard Level Unacceptable Level Achievement 1 Understand the structure and development of logical texts (dissertations and commentate them and express their opinions. Unacceptable Level Unacceptable Level Achievement 2 Ear comprehend literary texts (novels and poems) according to their expressions on the basis ord knowledge thereof, and express their opinions. Can comprehend literary texts (novels and poems) according to their expression, and express their opinions on the characteristics of those expressions, and understand the characteristics. Only understand the general and poems). Achievement 3 Corrective according to characteristics of those expressions, and express their opinions on the characteristics of those expressions. Only understand the general and poems). Achievement 3 Corrective according to characteristics of those expressions. On the characteristics and poems). Assigned Department Objectives Te acquire basic knowledge of the Japanese language through the reading of various texts such as medern make use of them linguiredustly, in an organized and essitutive way. Style Classes will be basically held in a lecture style, but there will be quizes and assignments from time to time. Students who miss 1/2 or more of classes will not be eligible for evaluation. Ear capture the structure of the text and properly can acquire the structure of the text and properly approx. Course Plan Theme	1) Unders 2) Can co character 3) Correct	stand the s mprehend istics of the tly underst	tructure and literary tex at expressio and the kar	d development o ts (novels and po n. nji and phrases u	f logical texts (disc pems) according to sed on a daily bas	sertations and co o their expressio is and can use tl	ommen n, and hem.	taries) ai express f	nd can summarize them. their own opinions on the	
Ideal Level Standard Level Cannot summarize logical texts (dissertations and commertance), and can summarize them. Cannot summarize logical texts (dissertations and commertance), and can summarize them. Cannot summarize logical texts (dissertations and commertance), and can summarize them. Can comprehend literary texts (novels and poems) according to their apinors. Can comprehend literary texts (novels and poems) according to their apinors. Can comprehend literary texts (novels and poems) according to their approximation. Only understand the general content of literary texts (novels and poems). Achievement 2 Can comprehend literary texts of them instorted background and knowledge thereof, and express their opinions on the characteristics of those contract texts. Concertify understand the kanji and phrases used on a daily basis. On to fully understand the daily basis. Achievement 3 Concertify understand the laganese in everyday life and study. Acaitwely try to acquire them. Do not fully understand the daily basis. Assigned Department Objectives To acquire basis knowledge of the laganese study. To acquire basis knowledge of the laganese study way, adding and express on skills and students are required to dainfy questions through pre-study, and the focus on the class with a motivated Students are required to dainfy questions through pre-study, and the focus on the class with a motivated Students are required to dainfy questions through pre-study, and the focus on the class with a motivated Students are required to dainfy questions through pre-study, and the focus on the class with a motivated Students are required to d	Rubric			1					I	
Achievement 1 Understand the structure and development of logical texts (dissertations and consummarize them and express and big structure and development. Summarize them and express and summarize them and express and summarize them. Achievement 2 Achievement 2 Achievement 2 Achievement 2 Achievement 2 Achievement 2 Achievement 3 Achievement 3 Achievement 4 Achievement 4 Achievement 4 Achievement 4 Achievement 5 Achievement 5 Achievement 5 Achievement 6 Achievement 6 Achievement 6 Achievement 6 Achievement 7 Achievemen				Ideal Level		Standard Level			Unacceptable Level	
Achievement 2 Can comprehend literary texts (novels and poems) according to their expressions, on the basis of their storical backgroup expressions, on the basis of their storical backgroup expressions. Can comprehend literary texts (novels and poems) according to their expressions. Only understand the general content of literary texts (novels and poems). Achievement 3 Correctly understand the kanji and phrases used on a dality basis, and can use them freely in deveryday life and study. Are interested in the kanji and phrases used on a dality basis, and activity try to acquire basis. Do not fully understand the kanji and phrases used on a dality basis. Assigned Department Objectives To acquire basic. Knowledge of the Japanese language through the reading of various texts such as modern review papers, novels, poetry, and classical texts. To develop logical reading and text expression skills and make use of them linguistically, in an organized and sensitivity way. Style Classes will be basically held in a lecture style, but there will be quizzes and assignments from time to time. Students are required to classify used on a dality basis. Notice Theme Goals Course Plan Course the acquire the structure of the stanghenesion of What is learning? Capture the structure of the story main deversion of What is learning? 1st Course Plan Theme Goals 1st Quarter Reading comprehension of The Moon Over the data Reading comprehension of The Moon Over the dand Reading comprehension of The Moon Over the data Re	Achievem	ent 1		Understand the structure and development of logical texts (dissertations and commentaries), and can summarize them and express their opinions		Understand the development of (dissertations a commentaries) summarize the	e struct f logica and and ca m.	ure and l texts an	Cannot summarize logical texts (dissertations and commentaries) regarding their structure and development without the aid of keywords, etc.	
Achievement 3 Correctly understand the kanji and phrases used on a daily basis, and can use them freely in everyday life and study. Are interested in the kanji and and actively try to acquire them. Do not fully understand the daily basis. Assigned Department Objectives To acquire basic knowledge of the Japanese language through the reading of various texts such as modern review papers, novels, poetry, and classical texts. To develop logical reading and text expression skills and make use of them inguistically, in an organized and sensitivity way. Style Classes will be basically held in a lecture style, but three will be quizes and assignments from time to time. Students are required to clarify questions through pre-study, and then focus on the class with a motivated attitude. Notice Students who miss 1/3 or more of classes will not be eligible for evaluation. Characteristics of Class / Division in Learning Instructor Professionally Experienced Active Learning Aided by ICT I Applicable to Remote Class Instructor Professionally Experienced Course Plan Ist Guals Understand the content and express one's opinion. 1st Reading comprehension of What is learning? Can understand the content and express one's opinion. 1st Reading comprehension of The Moon Over the functional (Sangetsuk) Understand the development of the story, paying attention to the expression and structure. 1st Reading comprehension of The Moon Over the func	Achievement 2			Can comprehe (novels and po to their expres of their historic and knowledge express their o characteristics expressions.	nd literary texts bems) according sions on the basis cal background e thereof, and opinions on the of those	Can compreher (novels and por to their express understand the of those expres	nd literary texts ems) according sions, and characteristics ssions.		Only understand the general content of literary texts (novels and poems).	
Assigned Department Objectives Teaching Method Outline To acquire basic knowledge of the Japanese language through the reading of various texts such as modern review papers, novels, poetry, and classical texts. To develop logical reading and text expression skills and make use of them linguistically, in an organized and sensitivity way. Style Classes will be basically held in a lecture style, but there will be quizes and assignments from time to time. Students are required to clarify questions through pre-study, and then focus on the class with a motivated attude. Students who miss 1/3 or more of classes will not be eligible for evaluation. Characteristics of Class / Division in Learning Instructor Professionally Experienced Active Learning Aided by ICT Applicable to Remote Class Instructor Professionally Experienced Course Plan Theme Goals Ist Guidance Reading comprehension of What is learning? Can capture the structure of the text and properly understand the content. Ist Reading comprehension of The Moon Over the Mountain (Sangetsuki) Can properly understand the content according to the acquerise. 1st Reading comprehension of The Moon Over the Mountain (Sangetsuki) Understand the development of the story, paying dutention to the expression and structure. 1st Reading comprehension of The Moon Over the Mountain (Sangetsuki) Understand the development of the story, paying dutention to the expression and structure	Achievement 3			Correctly unde and phrases us basis, and can in everyday life	rstand the kanji sed on a daily use them freely a and study.	Are interested in the kanji phrases used on a daily be and actively try to acquire them.		anji and ly basis, juire	Do not fully understand the kanji and phrases used on a daily basis.	
Teaching Method Outline To acquire basic knowledge of the Japanese language through the reading of various texts such as modern make use of them linguistically, in an organized and sensitivity way. Style Classes will be basically held in a lecture style, but there will be quizes and assignments from time to time. Notice Students are required to clarify questions through pre-study, and then focus on the class with a motivated attitude. Characteristics of Class / Division in Learning Instructor Professionally Experienced Active Learning Aided by ICT Applicable to Remote Class Instructor Professionally Experienced Course Plan Ist Guidance Reading comprehension of What is learning? Understand how classes will be taugh and what to prepare. Ist Guidance Reading comprehension of What is learning? Can capture the structure of the text and properly understand the content. Ist Reading comprehension of The Moon Over the Mountain (Sangetsuk) Can properly understand the content according to the expression and structure. Sth Reading comprehension of The Moon Over the Mountain (Sangetsuk) Understand the personality of the story's main character based on the sources. Sth Reading comprehension of The Moon Over the Mountain (Sangetsuk) Understand the pervession and structure. Sth Reading comprehension	Assigne	d Depar	tment Ob	jectives						
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			13th F	Reading compret	nension of Tanka a	nd Haiku	Can lea	arn abou	t the background of the work and	

		14th	Reading com	prehension of Tanka a	nd Haiku	Can explain the subject and characteristics of the work.				
	15th Re		Reading com	prehension of Tanka a	nd Haiku	Can understand the content and express one's opinion.				
		16th	Final exam							
Evaluat	Evaluation Method and Weight (%)									
	Examination		ation	Quizes	Behavior		Other	Total		
Subtotal		80		10	10		0	100		
Basic Prof	ficiency	80		10	10		0	100		
Specialized 0			0	0		0	0			
Cross Area Proficiency		0		0	0		0	0		

А	kashi Co	ollege		Year	2024		C	ourse Title	Japanese II-2
Course	Information	tion							
Course Co	ode	6202				Course Categor	ry	General /	' Compulsory
Class Form	nat	Lecture				Credits		School Ci	redit: 1
Departme	ent	Mechani	cal Er	ngineering		Student Grade		2nd	
Term		Second	Seme	ester		Classes per We	ek	2	
Textbook Teaching	and/or Materials	『精選論 習社)	理国語	語』『精選文学	国語』(明治書院)	、『精選古典探	究』(第	第一学習社)、『新訂総合国語便覧』(第一学
Instructor	-	TANGE /	Atsuk	(0					
Course	Objectiv	es							
1) Unders 2) Can co character 3) To elat transmit i	stand the s mprehend istics of the porate text nformation	tructure ar literary te at expressi a and repo effectivel	nd de kts (r on. rts, c /.	evelopment of novels and dia create sentence	logical texts (diss iries) according to ces that devise a l	sertations and co their expressio ogical structure	ommen n, and based	itaries) an express t on classif	nd can summarize them. heir own opinions on the ied information. To be able to
Rubric						1			
			Id	leal Level		Standard Level			Unacceptable Level
Achievement 1			Ur de (d co su th	nderstand the evelopment of lissertations a ommentaries), ummarize ther neir opinions.	structure and logical texts nd , and can m and express	Understand the development of (dissertations a commentaries) summarize the	e struct f logica and and ca m.	ure and I texts an	Cannot summarize logical texts (dissertations and commentaries) regarding their structure and development without the aid of keywords, etc.
Achievement 2			Ca (n to of an ex ch ex	an comprehen novels and dia their express their historic nd knowledge kpress their op naracteristics of kpressions.	Ind literary texts ries) according sions on the basis al background thereof, and pinions on the of those	Can comprehend literary texts (novels and diaries) according to their expressions, and understand the characteristics of those expressions.			Only understand the general content of literary texts (novels and diaries).
Achievement 3			Ca an his log se	an well form c nd conclusions s ideas and de gically, using entences.	well form clear opinions conclusions, and organize deas and develop them cally, using empirical ences. Can form clear opinio conclusions, and organize ideas and develop them logically, using empiri sentences.		ns and nize his m cal	Cannot form clear opinions and conclusions, and organize his ideas and develop them logically, using empirical sentences.	
Assigne	d Depar	tment Ol	ject	tives					
Teachin	g Metho	d							
Outline		To acqui review p make us	re ba aper e of t	asic knowledg s, novels, poe them linguisti	e of the Japanese try, and classical cally, in an organi	language throu texts. To develo ized and sensitiv	igh the op logic /ity wa	reading c al reading y.	of various texts such as modern and text expression skills and
Style		Classes	will b	ill be basically held in a lecture style, but there will be quizes and assignments from time to time.					
Notice		Students attitude	are	are required to clarify questions through pre-study, and then focus on the class with a motivated					
Charact	eristics (of Class /		vision in Lez	arning			valuation.	
	Learning			Aided by IC	T	Applicable to Remote Clas		ote Class	Instructor Professionally Experienced
									Experienced
Course	Plan								
			Then	ne			Goals		
		1st	Cour Read	rse guidance ling comprehe	ension of Why stu	dv science?	Proper used in	ly unders	tand the phrases and expression
		2nd	Read	ding comprehe	ension of Why stu	dy science?	Can ca unders	pture the stand the	structure of the text and properly content.
		3rd	Read	ding comprehe	ension of Why stu	dy science?	Can ca unders	pture the stand the	structure of the text and properly content.
	3rd	4th	Read	ding comprehe	ension of Why stu	dy science?	Can ur opinio	nderstand n.	the content and express one's
	Quarter	5th	Read Tale	ding comprehe of Genji)	ension of Wakamı	urasaki (The	Under: grasp	stand the the mean	evaluation of literary history and ing of the sentence.
2nd Semeste r	2nd Semeste (r	6th	Read Tale	ding comprehe of Genji)	ension of Wakamı	urasaki (The	Can in textbo	terpret ar ok approp	nd answer questions from the priately.
		7th	Read Tale	ding comprehe of Genji)	ension of Wakamı	urasaki (The	Can e>	plain the	subject and features of the work.
		8th	Read Tale	ding comprehe of Genji)	ension of Wakamı	urasaki (The	Unders expres	stand the s one's op	subject matter and be able to pinion on the work
		9th	Read (Sara	ding comprehe ashina Diary)	ension of Genji-no	o-gojuyomaki	Can in textbo	terpret ar ok approp	nd answer questions from the priately.
4th Quarter		10th	Reading comprehension of Genji-no-gojuyomak (Sarashina Diary)				Can explain the subject and features of the work.		
		11th	Read	ding comprehe	ension of Fables		Can interpret and answer questions from the textbook appropriately.		

	:	12th	Reading com	prehension of Fables		Can interpret and answer questions from the textbook appropriately.				
		13th	Reading com Painting	prehension of Introdu	uction to Ink	Prope used i	rly understand the phr n the text.	ases and expression		
	:	14th	Reading com Painting	prehension of Introdu	uction to Ink	Can capture the structure of the text and properly understand the content.				
		15th	Reading com Painting	prehension of Introdu	uction to Ink	Can u opinio	Can understand the content and express one's opinion.			
		16th	End term exa	ams						
Evaluation	n Metho	d and	Weight (%)							
		Examina	ation	Quizes	Behavior		Other	Total		
Subtotal		80		10	10		0	100		
Basic Profici	ency	80		10	10		0	100		
Specialized Proficiency	oecialized 0			0	0		0	0		
Cross Area Proficiency		0		0	0		0	0		

А	kashi Co	ollege		Year	2024		C	ourse Title	Introduction to Global Studies		
Course	Information	tion						·			
Course Co	ode	6203				Course Catego	ry	General /	Compulsory		
Class For	mat	Seminar				Credits		School Cr	edit: 1		
Departme	ent	Mechani	cal Er	ngineering		Student Grade		2nd			
Term		Second	Seme	ster		Classes per We	eek	2			
Textbook	and/or Matorials	No text	book,	hands out.							
Instructor											
Course	Objectiv										
1) To unc	lerstand ar	cs nd realize t	hat th	nere are vario	us cultures and h	history in the wo	rld (an	d even in i	lanan) and he able to see		
Japanese 2)To unde decide wh 3)To cons	culture / J erstand ho nat kind of sider what	apanese na w communic communic is required	ation nicatio ation to be	from a relativon in the inter attitude or le	ve perspective. rnational commun vel is necessary. nopolitan, to becc	nity is carried ou ome an internati	it. To b onal er	e able to c	letermine specific goals and d to form their own opinions.		
Rubric											
			Ex	cellent		Good			Insufficient		
1) Ethnics and culture		Un vie coe ab	nderstand from ewpoint that of exist, both in proad.	m a relative diverse cultures Japan and	Understand that cultures coexis	at diver t in Jap	rse Dan.	Do not understand the concepts of ethnics and culture.			
2) International communication		n n situ coi situ crii pro ski	nderstand the ternational ar mmunication uation. The s itically approa oblems of an agine the cor ills they need	necessity of ad intercultural and its present tudent can ich his/her self- d concretely munication to develop.	Understand the and intercultur present situatio	e interr al com on.	national municatior	The students can't understand the necessity of international and intercultural communication or its present situation.			
3) Form opinions			Ab rec cos int the de	ble to conside quired to bec smopolitan, t ternational er eir own opinio bate their op	r what is ome a o become an igineer, to form ons and to inions.	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	oject	ives							
Teachin	g Metho	d									
Outline	-	Through "globaliz with it. I "diverse	the s ation. n var " socie	study of a nu ." Also, recog ious ways, th ety.	mber of topics, th nize the problem ne students will a	ne students will us associated wit cquire the knowl	unders h inter ledge t	tand what nationaliza o become	is "internationalization" and tion and reflect on how to deal a "cosmopolitan" and to live in a		
Style		Alternat	ely th	/ there will be lectures and group discussion about several themes.							
Notice		Each stu through Lectures Students	ident the d are t s who	should partic liscussion cor basically conc miss 1/3 or	ipate positively in iducted in class. lucted in English. more of classes v	the classes. No vill not be eligibl	ot only le for e	"knowing" valuation.	but also "thinking/worrying"		
Charact	eristics o	of Class /	′ Divi	ision in Lea	arning						
☑ Active	Learning			Aided by IC	Г	☑ Applicable t	o Rem	ote Class	 Instructor Professionally Experienced 		
Course	Plan										
			Ihem	ne			Goals				
		1st	What	t is an interna	ational person?		refer t aware	about what ective," "in to concrete eness regar	ternational sense," "act globally" ly, and increase problem ding this topic.		
		2nd	Ethni	ics and cultur	e		Think under Comp	about how stand the o rehend the	/ "XXX people" can be defined, concept of "ethnic group." image of nationalism.		
2nd	3rd	3rd	The r	role of langua	ge		Unde a prim the as with d	rstand the hary tool for pects of co lifferent na	characteristics of "word" which is or communication. Think about ommunication between people tive languages.		
2nd Semeste r Qua	Quarter	4th	Inter	rnationalizatio	on and English		Under "interr on hov speak	stand the national lar w to comm ers.	current situation of English as nguage." Form your own opinion nunicate with non-native English		
		5th	Inter	nationalizatio	n and Multilingua	lization	Throu about of eler comm	gh discuss and form ment is rec junication.	ion with your colleagues think your own opinion about what kind juired to establish international		
		6th	Probl and c	lems surroun culture(1)	ding the coexiste	nce of ethnicity	Deepe issues think a group	Deepen your understanding of minority grou issues such as Korean residents in Japan and think about the coexistence of multiple ethn groups and cultures.			

		7th		Problems surrounding and culture(2)	the coexistence of ethnicity	Deepen your understand issues such as Korean ru think about the coexiste groups and cultures.	ding of minority groups' esidents in Japan and nce of multiple ethnic		
		8th		Ethnicity in Japanese S	Society	A lecture will be given. I lecture and organize you awareness of the issues	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 ru think about the coexiste groups and cultures.	ding of minority groups' esidents in Japan and nce of multiple ethnic		
		10th		International Order an	d Security(1)	Understand why interna how they can be prever understand the current world.	tional conflicts occur and ited and resolved. Also, state of armaments in the		
		11th		International Order an	d Security(2)	Understand why interna how they can be prever understand the current world.	tional conflicts occur and ited and resolved. Also, state of armaments in the		
	4th Quarter	12th		International Order an	d Security(3)	Understand why interna how they can be prever understand the current world.	tional conflicts occur and ted and resolved. Also, state of armaments in the		
		13th		Global economy and ir	nternational business(1)	Understand the backgro economic activities. Also problems that companie internationally.	und of across borders b, understand the s face when working		
		14th		Global economy and ir	nternational business(2)	Understand the backgro economic activities. Also problems that companie internationally.	Understand the background of across borders economic activities. Also, understand the problems that companies face when working internationally.		
	15th			Conclusion: What is a	n international person?	To review the content le and to confirm each oth	earnt through discussion er "cosmopolitan" image.		
	16th			End term Exam					
Evaluation Method and		<u>nd \</u>	Neight (%)						
T		Tes	ts	Presentation	Assignments	Total			
Subtotal	Subtotal 60		60		20	20	100		
Basic Skills	5		60		20	20	100		
Specialized Skills 0		0		0	0	0			
Cross Field Skills		0		0	0	0			

А	kashi Co	ollege		Year	2024		C	ourse Title	Public		
Course	Informat	tion									
Course Co	ode	6204				Course Catego	rv	General /	Compulsory		
Class For	mat	Lecture				Credits	/	School Cre	edit: 1		
Departme	ent	Mechanie	cal F	naineerina		Student Grade		2nd			
Term		First Sen	neste	er		Classes per We	ek	2			
Textbook	and/or	公田邨玲	/+./#h	『百竿受応 八	廿』笋—受羽井						
Teaching	Materials	谷田即坝)	土他	『同寺子仪 公	共』 第一 子 首 社 。						
Instructor	·										
Course	Objectiv	es									
1. Accura 2. Objecti with the t 3. Throug multiface	2. Objectively understand what responsibilities we have and roles we play in order to address the challenges and issues that change with the times. 3. Through exchanging opinions with other students, understand diverse views and the importance of thinking about things in multifaceted ways, and increase their ability to accept other people's different opinions.										
Rubric						1					
			Ic	leal Level		Standard Level			Unacceptable Level		
Achievement 1			Ti ba va ag	horoughly und asic knowledge arious issues c ge.	lerstand the e regarding the of the modern	Have basic kno the various issu modern age.	wledge ues of t	e regarding he	Do not have sufficient basic knowledge regarding the various issues of the modern age.		
Achievement 2			Ca th ha or pr	an objectively nat people in n ave been expe rder to addres roblems.	explain the roles nodern society ected to play in s its issues and	Can understan people in mode been expected to address its is problems.	d the ro ern soci to play ssues a	oles that iety have in order and	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	ient 3		Ca va ag th	an proactively arious issues c ge and discuss neir own opinio	consider the of the modern them based on ons.	Can proactively modern various	/ consid s issues	ler s.	Cannot proactively consider the various issues of the modern age, due to insufficient understanding of them.		
Assigne	d Depart	tment Ob	ject	tives							
Teaching Method											
Outline	9	In this co and at th In additions spaces in	ourse ne sa on, t n wh	e, students lea ame time cons the aim is to cl ich we go abo	arn the basic know ider what we can reate opportunitie ut our daily lives	vledge about va do about the is to raise stude and to cultivate	irious p isues ar ents' aw	henomena nd problem vareness of ability to th	that constitute modern society, is that change with the times. various issues in the public ink about them		
Style		The teac The class ideas, ar think ind they will teacher	hing ses v nd lis lividu excl will e	will be based will consist of l sten to the tea ually about wh hange opinion explain matter when to unders	on taking notes f having the studen cher explain the c at "the various is s with each other s such as the poli tand the issues	rom the blackbo ts think about t concepts, etc. A sues of the moc (in groups), an cies that are act	bard an hings, t the be lern ag d prese tually b	nd using tex exchange c eginning of e" are, hov ent and sha being imple	xtbooks and handouts. ppinions, present (share) their each class, the students will v to address them, etc. Then, are their ideas. After that, the mented in society, and the		
Notice		Freely ex them to society a and enha	kchai acce and c ance	nging opinions opt other peop cultivate their their ability to o miss 1/3 or	s will help the stud le's ideas and con problem-solving s o accept and relat more of classes w	dents develop b ivey their own. ikills. In additior ie to them. ill not be eligibl	idirection It will a n, it will e for ev	onal comm also help th I help them valuation.	unication skills that will enable em develop a bird's-eye view of a see that different opinions exist,		
Charact	eristics o	of Class /	Div	ision in Lea	arning						
☑ Active	Learning			Aided by IC	Г	☑ Applicable t	o Remo	ote Class	 Instructor Professionally Experienced 		
Course	Dlan										
Course	ridii		<u>т</u> ь				Carl				
			i ner	heree			Goals	abaut. I			
		1st	Wha	ance: at are modern	society's problem	is and issues?	Learn moder	about wha n society's	problems and issues.		
		2nd	Ther norn	me 1: The sigi ns	nificance and role	s of laws and	Under moder	stand the r n society, a	oles that laws and norms play in and the ones they are expected		
		3rd	Ther resp	me 2: Contrac onsibilities	ts and consumers	s' rights and	Unders agreed	stand the c to betwee	conditions for a contract to be en equal parties.		
1st Semeste		4th	Ther judio	me 3: Significa cial process	ance of participati	on in the	Consic regard proces	ler the sign ling public ss.	ificance of and responsibilities participation in the judicial		
r	Quarter	5th	Ther publ	me 4: Political lic opinion	participation and	forming fair	Consic regard	ler the sign ling public	ificance of and responsibilities participation in politics.		
		6th	Ther sove	me 5: Internat ereignty	tional community	and national	Unders betwe comm	stand the c en the inte unities.	commonalities and differences rnational and domestic		
		7th	Ther	me 6: Japan's	security and defe	ense	Consider what will ensure security and peace Japan.				
		8th	Revi 0)	ew of the first	half of the first s	emester (1st	Review the content from weeks 1-7.				

		9th	Theme 7: Char and Japan's ro	nges in the internati les	onal community	Learn about inte Japan has been	rnational peace a playing.	nd the roles		
		10th	Theme 8: Emp	loyment and labor i	ssues	Understand the ownerstand the ownerstand	Understand the changes and issues in the current working environment in Japan.			
		11th	Theme 9: Soci	al change and attitu	des to work	Understand that between social c	there is a close r hange and how p	elationship beople work.		
	2nd	12th	Theme 10: Fun economy	nctions and limitatio	ns of a market	Understand the functions of markets and the importance of competition.				
	Quarte	13th	Theme 11: Wh	at finance does		Understand the infinancial institution	Understand the mechanisms of finance and what financial institutions do.			
		14th	Theme 12: Pul security	olic finance's roles a	nd social	Learn about how a nation's public finances are closely related to the lives of its people.				
		15th	Theme 13: Eco	onomic globalization		Understand the i globalizing trade	mechanisms of in and finance.	creasingly		
		16th	Final exam			Take a written e	xam.			
Evaluat	ion Me	ethod and	Weight (%)							
		Examinatior	Short test	Ordinary score (assignment)	Behavior	Portfolio	Other	Total		
Subtotal		30	30	40	0	0	0	100		
Basic Proficienc	cy 🛛	30	30	40	0	0	0	100		
Specialize Proficienc	Specialized Proficiency 0		0	0	0	0	0	0		
Cross Area Proficiency 0		0	0	0	0	0	0	0		

Δ	kashi Co	ollege		Year	2024		Cou	irse Ie	Mathematics II A-1		
Course	Informa	tion									
Course Co	ode	6205				Course Catego	rv Ge	eneral /	Compulsory		
Class For	mat	Lecture				Credits	Sc	chool Cr	edit: 2		
Departme	ent	Mechan	ical En	aineerina		Student Grade	2r	nd			
Term		First Se	mester	r		Classes per We	eek 4				
Textbook	and/or Materials	高遠 節 LEGE	夫 他 著	著「新微分積	分I」大日本図書	高遠 節夫 他著	皆「新微分種	漬分 I 問	題集」大日本図書 (参考書 数学Ⅲ		
Instructor	r	MATSU									
Course	Ohiectiv		1117(7)								
1 関数/		C3	1 道即	あの定美 穏	き, 商の道関数の公	式 全成関数 谥	二角関数な	≂聑解!	いろいろか問数の道問数を求める		
こと、 に、 に、 に、 に、 に、 で、 で、 で、 で、 で、 で、 で、 で、 で、 で	2013 20	いて、極心 同用して、 な積分の基本 気分および音 関数・三角関 立体の体現	▲ 「 を つ た の の を 分 指 理 積 ・ 守)、 グラフの概 つ 四 ひ で の 間 4 で で 数 関 数 ・ 対 数 関 数 ・ 対 数 に 数 に 数 に 数 に 数 に 数 に 数 に 数 に 数 に 数 に 数 に 、 る る 、 る る 、 る る こ 、 ろ る こ 、 ろ る こ 、 ろ る こ 、 ろ る こ 、 ろ る こ 、 ろ る こ 、 ろ ろ 、 ろ ろ 、 ろ ろ 、 ろ ろ 、 ろ ろ 、 ろ 、 ろ ろ 、 ろ ろ 、 ろ ろ ろ ろ ろ 、 ろ ろ 、 ろ ろ 、 ろ ろ 、 ろ ろ 、 ろ ろ 、 ろ ろ 、 ろ ろ 、 ろ ろ 、 ろ ろ 、 ろ ろ 、 ろ ろ 、 ろ ろ 、 ろ ろ 、 ろ ろ ろ 、 ろ ろ ろ ろ ろ ろ ろ ろ ろ ろ ろ ろ ろ	部にあっていた。 新学校の学校の学校の 「たていた」 「たていた」 「たていた」 「たいた」 「 「たいた」 「 「 「 「 「 「 「 「 「 「 「 「 「	きる。極値を利用 数の媒介変数表示 ことができる。不 求めることができ		なの最大(媒介変勢 主義を理解 簡単なり			
RUDIIC			IIII	目的ナンスルキレン		博准的+>到读」	ベニクロウ	1	土利達しベルの日空		
				3的は到達レ	へんかの音丈 道	信华的な到達レ 問物の短照 一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一	ヘルの日女		本到達レインルの日女		
評価項目1			関数式、し、る	800極限、 (4) 数の定義、積 合成関数、 いろいろな ることが十分	が保致の意味、 導 ・ 商の導関数の公 並三角関数を理解 関数の導関数を求 できる。	関数の極限、微 関数の定義、積 式、合成関数、 し、いろいろな めることができ	が保致の急 ・商の導関 逆三角関数 関数の導関 る。	味、 導 数の公 で 変 で 変 数 を 求	関数の極限、破力が数の意味、導 関数の定義、積・商の導関数の公 式、合成関数、逆三角関数を理解 し、いろいろな関数の導関数を求 めることができない。		
評価項目2			関め分の十利こ数し十	数の増える。 の増うる。・る。 なの概定で、 なのを しが示い、 たきて、 分でした、 たきて、 分でした、 できし、 など、 のを した、 でまし、 など、 のを した、 でまし、 など、 など、 など、 など、 など、 など、 など、 など	書いて、極値を求 もなかくことが おをからして、 して、 して、 して、 して、 して、 して、 して、	関数の増減表を め、グラフの概 うる。最小値を る。最小値を 、グラフの凹凸 さる、グラフ関数の媒 し、媒を求めるこ	書形用求導を介利といたしめ関調変用がしめ関調変用がでしたる数べ数しででしたる表できしていたのでので、こをでした。	値と数のでしが理の まで最きてで解導	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。極値を利用して、関数の 最大値・最小値を求めることがで きない。また2次の導関数を利用 して、グラフの凹凸を調べること ができない。関数の媒介変数表示 を理解し、媒介変数を利用して、 その導関数を求めることができない。		
評価項目3			定をこ義め積定分	責分の定義とℓ 里解し、簡単ℓ とが十分でき を理解し、簡単ℓ を理解し、簡単 ることが十分 [−] ることが部分 積分や定積分 できる。	微積分の基本定理 な定積分を求める。不定積分の定 単なきる。不定積た置、 すなきる。思いて、 たがめることが十 を求めることが十	定積分の定義と を理解し、簡単 ことができる。 理解しで簡単な ことがでで簡単な ことができる。 び部分積分を用り 定積分を求める	微な不不まいこ 積 た て た て 、 が で き	本求定求分積る 定め義めお分。	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、簡単な不定積分を求め 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	ł		分指定簡れたの子	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・ 指数関数・対数関数の不定積分・ 定積分を求めることが十分でき、 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 本積を定称 る。		分数関数・無理 指数関数・対数 定積分を求める。 な場合について、 図形の面積や曲 体積を定積分で る。	関数・三角 数のので で で で で た 思 の の る こ と	関 積 、 ま 立 が で き	分数関数・無理関数・三角関数・ 指数関数・対数関数の不定積分・ 定積分を求めることができず、簡 単な場合について、曲線で囲まれ た図形の面積や曲線の長さ、立体 の体積を定積分で求めることがで きない。		
Assigne	d Depar	tment O	bjecti	ves							
Teachin	ig Metho	d									
Outline		微分積分	の基本	概念及びそこ を獲得する。	から発展したいろ	いろな計算手法を	習得し、専	評門分野 で	での応用の際のさまざまな事象の解		
Style		予習を前 義では集 て下さい ださい。	うして うして い。その うる。確	て教科書に沿 理解に努め、 日のうちに必 認のため予告	わて講義する。ま 予習でわからなか ず復習し教科書と なく小試験を行う	た問題演習を行う ったことや講義で 問題集にある問題 ことがあります。	。講義中に 理解できな を解くよう そのために	こ理解度の ふかったこうに心がい こも日頃か	D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 すること。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5 を合格と 価し必す ある。し	0%、調 する。 じも上 がずれか	課題等の提出物 ただし、この 記の割合にな の週でCBTを	物を20%、発表お。)割合で評価点をつ いらないことがある い行う。合格の対象	はび平素の授業への けるのは学年末で 。課題等や発表な としない欠席条件	の取り組み あり、途中 どがよく出 (割合) 1/1	状況を30 コまでの緊 出来ていれ 3以上の:	0%として総合的に評価し60点以上 累積評価の割合は暫定的な割合で評 れば割合以上の評価を与えることも 欠課		
Charact	eristics of	of Class	/ Divi	sion in Le	arning	1					
Active	Learning			Aided by IC	Т	Applicable t	o Remote	Class	Instructor Professionally Experienced		
Course	Plan										
			Them	e			Goals				
	1st		関数の	の極限と導関数	攵		関数のグ	ラフや公	式をまとめることができる。		
1ct		2nd	関数の	の極限と導関数	攵				て、関数の極限を求めることができ		
Semeste r	1st Quarter	3rd	関数の	の極限と導関数	攵		→ 微分係数 求めること	。。 数分係数の意味や、導関数の定義を理解し、導関数を なめることができる。			
		4th	関数の	関数の極限と導関数			積・商の導関数の公式を用いて、導関数を求めることができる。合成関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	R		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	関数		逆関数の導関数を現 関数を求めることが	里解し、対数関数や ができる。	▷逆三角関数の導	
		7th	いろいろな関数の導	関数		関数の連続につい ⁻ きる。	て理解し、応用問題	夏を解くことがで	
		8th	いろいろな関数の導	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			簡単な場合について、関数の接線や法線の方程式を求めることができる。			
	10th F		関数の変動						
			関数の変動			極値を利用して、 ができる。	関数の最大値・最小	い値を求めること	
	2nd	12th	いろいろな応用			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			関数の媒介変数表示 その導関数を求める	示を理解し、媒介変 ることができる。	変数を利用して、	
		14th	いろいろな応用			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	ion Meth	nod and N	Weight (%)						
	試験	験	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 נ		0	0	0	0	0	0	
専門的能力	J 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		Cou	urse itle	Mathematics II A-2
Course	Informa	tion							
Course Co	ode	6206				Course Catego	ry G	eneral /	Compulsory
Class For	mat	Lecture				Credits	S	chool Ci	redit: 2
Departme	ent	Mechan	ical Er	ngineering		Student Grade	2	nd	
Term		Second	Seme	ster		Classes per We	eek 4		
Textbook Teaching	and/or Materials	高遠 節 LEGEI	もし ND 東	著「新微分積 夏京書籍))	分I」大日本図書	高遠 節夫 他著	皆「新微分	積分I問	問題集」大日本図書 (参考書 数学Ⅲ
Instructor	r	MATSU	MIYA A	Atusi,OMODA	Yasuhiro				
Course	Objectiv	es							
1. 関数の さとができ 2. 関数の また2次の 3. た2次の 3. たう分か たき うか たう の 面積や 世	D 極限。 、 満 数 の ま る の ま た ・ 、 表 数 、 表 数 。 志 ま 、 、 表 を を 、 、 表 を を 、 、 表 を 、 、 表 で の の の 、 で 、 で の の の の の の の の の の の の	子係数の意味 引用して、 極低 して、 ク な 積分および 見数 ・ 三角 積 数 本の 体 個 して、 な な の 基 本 高 明 して、 ク 本 して、 な の 長 の して、 の 長 の して、 の し の して、 の し の して、 の し の の し の し の し の し の の し の し の し の し の の し の し の し の の の し の の し の の し の の し の し の の の し の し の の の し し の の の し の し の し の の し の し の し の し の の し の し の し の の し の し の の し の し の し の の し の し の し の の し の の の し の の し の し の し の し の し の の の の の の の の の し の の の の の の の の の の の の の	、 導 し、 、 、 、 、 、 、 、 、 、 、 、 、 、 、 、 、 、	劇数の定義、積 り、グラフの概 ひ回凸を調べる と理解し、簡年 分を用いて、不 旨数関数・対数 責分で求めるこ	も、商の導関数の公: 新をかくことがで うことができる。関 値な定積分を求める 、定積分や定積分を 、定積分や定積分を にした。 にの。 にの。 にので、 にので にので、 にので、 にので、 にので、 にので、 でので、 でので、 にので、 でので、 でので、 でので、 でので、 でので、 でので、 でので、 でので、 ででででで、 でででででででででで	式、合成関数、逆 きる。極値を利用 数の媒介変数表示 ことができる。不 まめることができ 定積分を求めるこ	三角関数 して、関 を理解し、 定積分の る。 ことができ、	を理解し 数の最大 の 成 く 、 義 を 理 、 簡 単 な	、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 場合について、曲線で囲まれた図形
Rubric									
			理;	想的な到達レイ	ベルの目安	標準的な到達レ	ベルの目室	7	未到達レベルの目安
評価項目1			関調式しめ	数の極限、微然 数の定義、積 、合成関数、 、いろいろな ることが十分で	分係数の意味、導 ・商の導関数の公 逆三角関数を理解 関数の導関数を求 できる。	関数の極限、微 関数の定義、積 式、合成関数、 し、いろいろな めることができ	分係数の意 ・商の導 逆三角関 関数の導 る。	意味、導 関数の公 数を理解 関数を求	関数の極限、微分係数の意味、導 関数の定義、積・商の導関数の公 式、合成関数、逆三角関数を理解 し、いろいろな関数の導関数を求 めることができない。
評価項目2			関め分の十利こ数し十	数、で最大で 、で 最大で で し て か 示 て た で に の を し た 、 で し 、 で た で し 、 で た で し て か 示 で た で し て か 示 で た で し 、 か で し 、 か で し 、 か で し 、 か で で し 、 か 示 で た で で し 、 た で た で し 、 た で た で し 、 た で た で し 、 た で た で し 、 た で た で た で た で た で た で た で た で た で た で た で た で た で た で た で た で た で た で た で た て う で の い で た で た て つ し 、 で た て で の う の ら の ら 、 で の ら の う つ の う の う つ の う つ の う う つ の う つ つ の う つ の う つ つ つ つ つ つ つ つ つ つ つ つ つ	書いて、極 を 市 し な し た 、 に た 、 に た 、 に た 、 に た 、 に た 、 に た 、 に た 、 に し て 、 に た 、 に し て 、 に し て 、 に し て 、 に し て 、 に し て 、 に し て 、 に し て 、 に し て 、 に し て 、 に し て 、 に し て 、 に し て 、 に し て 、 に し て 、 に し て 、 に し て 、 の ら で し て 、 の ら で し る の 調 べ の の ら で ら で の ら で の ら で の し の の に っ の に う で の し の の ら に し か の た っ の に う の し 、 の た っ 。 、 、 の た っ 。 、 、 の た っ 。 、 、 の た っ 。 、 、 の た っ 。 、 、 の た っ の っ の た っ の た っ の た っ う っ の た っ つ っ っ の っ の っ の っ っ の っ の っ っ の っ っ の っ の っ っ っ の っ っ の っ っ う っ の っ っ の っ つ っ の っ つ っ の っ の っ の っ の っ の っ つ っ っ っ っ つ っ っ う っ っ の う う う う う う う う う う つ う う	関数の増減表を め、グラフの概 きる・最小値を る。・最小値を 、グラフの凹凸 きる。煤介変数を し、煤介変数を 関数を求めるこ	書形用求導を介利といたという。	亟こ見と可定してで解導 なで最きてで解導 る 、	関数の増減表を書いて、極値を求 め、グラフの概形をかくことがで きない。極値を利用して、関数の 最大値・最小値を求めることがで きない。また2次の導関数を利用 して、グラフの凹凸を調べること ができない。関数の媒介変数表示 を理解し、媒介変数を利用して、 その導関数を求めることができな い。
評価項目3			定をこ義め積定分	積分の定義と彼 理解し、簡単な を理とが中し、できる をことが解し、十分 るかおよび部分 積分や定積分 できる。	職積分の基本定理 な定積分を求める る。不定積分の定 できる。 構分を置 た できるを用いて、 が キ を が めることが キ	定積分の定義と を理解し、簡単 ことができる。 理解し、簡単な ことができる。 び部分積分を用 定積分を求める。	微積分の 積分の な定 積分の を れ て た こ 、 で で こ	基本 求定 求 定 求 分 積 る 。	定積分の定義と微積分の基本定理 を理解し、簡単な定積分を求める ことができない。不定積分の定義 を理解し、簡単な不定積分を求め ることができない。また置換積分 および部分積分を用いて、不定積 分や定積分を求めることができな い。
評価項目4	ŀ		分指定簡れ体十	数関数・無理開 数関数・対数間 積分を求めるこ 単な場合につい た図形の面積 の体積を定積 分できる。	関数・三角関数・ 関数の不定積分・ 関数の不定積分・ にて、曲線でき、 いて、曲線長さ、立 か曲線のることが	分数関数・無理 指数関数・対数 定積分を求めるこ な場合について、 図形の面積や曲 体積を定積分で る。	関数 ・ 三 灯 気 数 の 不 で で で た 、 線 成 る こ く と 曲 の る る こ く に 、 彩 め の で で で で で で で で で で で で で	角 関 積 間 前 能 た の き と が で き	分数関数・無理関数・三角関数・ 指数関数・対数関数の不定積分・ 定積分を求めることができず、簡 単な場合について、曲線で囲まれ た図形の面積や曲線の長さ、立体 の体積を定積分で求めることがで きない。
Assigne	d Depar	tment O	bject	ives					
Teachin	ig Metho	d							
Outline		微分積分 析に必要	の基本	≤概念及びそこ ┋を獲得する。	から発展したいろい	いろな計算手法を	習得し、	專門分野	での応用の際のさまざまな事象の解
予習を前提 義では集中 Style て下さい。 ことがある ださい。			i提とし 中して い。その うる。確	ノて教科書に沿 「理解に努め、 つ日のうちに必 電認のため予告	って講義する。また 予習でわからなかっ ず復習し教科書と「 なく小試験を行うる	た問題演習を行う ったことや講義で 問題集にある問題 ことがあります。	。講義中(理解できた を解くよう そのため(こ理解度 なかった うに心が こも日頃	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	ce 試験を50%、課題等の提出物を20%、発表および平素の授 を合格とする。ただし、この割合で評価点をつけるのは学年 価し必ずしも上記の割合にならないことがある。課題等や予 ある。いずれかの週でCBTを行う。合格の対象としない欠点					び平素の授業への けるのは学年末で 、課題等や発表な としない欠席条件	D取り組み あり、途 どがよく (割合) 1,	⊷状況を3 中までの 出来てい /3以上の	00%として総合的に評価し60点以上 累積評価の割合は暫定的な割合で評 れば割合以上の評価を与えることも ッ欠課
Characteristics of Class / Division in Learning									
☑ Active Learning ☑ Aided				Aided by IC	Т	☑ Applicable t	o Remote	e Class	 Instructor Professionally Experienced
Course	Plan								
			Them	ne			Goals		
1st 7			不定利	責分と定積分			不定積分 とができ	の定義を る。	理解し、簡単な不定積分を求めるこ
2nd Jrd		2nd	不定利	責分と定積分			定積分の ことがで	定義を理 きる。	1 解し、定義に従って定積分を求める
Semeste Q	Quarter	3rd	不定利	責分と定積分			微分積分法の基本定理を理解し、簡単な定積分を求め ることができる。		
		4th	4th 不定積分と定積分			簡単な定積分の計算をすることができる。いろいろな 不定積分の公式を活用することが出来る。			

	5th		積分の計算	積分の計算			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る。				
		6th	積分の計算			分数関数・無理 ができる。	分数関数・無理関数の不定積分・定積分を求めること ができる。				
		7th	積分の計算			三角関数・指数 求めることがで	三角関数・指数関数・対数関数の不定積分・定積分を 求めることができる。				
		8th	面積・曲線の長さ	・体積		簡単な場合につ 積分で求めるこ	いて、曲線で囲ま とができる。	まれた図形の面積を定			
		9th	面積・曲線の長さ	・体積		簡単な場合につ とができる。簡 体の体積を定積	簡単な場合について、曲線の長さを定積分で求めるこ とができる。簡単な場合について、立体の体積や回転 体の体積を定積分で求めることができる。				
		10th	いろいろな応用			媒介変数表示に る図形の面積や 。	媒介変数表示による図形を理解し、媒介変数表示による図形の面積や曲線の長さなど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	極座標について理解し、極座標による図形の面積や曲 線の長さを求めることができる。				
	4th Quarte	r 12th	いろいろな応用			広義積分につい きる。	て理解し、広義和	漬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	応用問題から微分方程式の意味を理解し、簡単な変数 分離形の微分方程式などを解くことができる。				
		15th	微分方程式			簡単な同時形, る。	簡単な同時形,1階線形微分方程式を解くことができ る。				
		16th	期末試験								
Evaluat	<u>ion Me</u>	thod and	Weight (%)								
	E	Examination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total			
Subtotal	()	0	0	0	0	0	0			
Basic Proficienc	ency 0		0	0	0	0	0	0			
Specialize Proficienc	cialized 0		0	0	0	0	0	0			
Cross Are Proficienc	ross Area roficiency 0		0	0	0	0	0	0			

Akashi College			Year	2024		Cou Ti	urse tle	Mathematics	5 Ⅱ B-1			
Course	Informa	ation										
Course Co	ode	6207					Course C	Categor	γ G	eneral	/ Compulsory	
Class Forr	nat	Lecture					Credits		S	chool C	Credit: 1	
Departme	ent	Mechan	ical En	ngineering			Student	Grade	2	nd		
Term		First Se	mester	r			Classes p	per We	ek 2			
Textbook Teaching	and/or Materials	Linear A	lgebra	a (Dai Nihon	Tosho)							
Instructor	-	TAKATA	Isao									
Course	Objectiv	/es										
1. Can co 2. Unders	mpute ve stand the	ctors and a definition of	pply th f matri	hem to shape ices, and car	es. 1 perform	n matrix c	computati	ions.				
Rubric												
			Ide	eal Level			Standard	d Level			Unacceptable	Level
Achievement 1			Car	n fully comp ply them to s	ute vecto shapes.	ors and	Can com	pute v shapes	ectors ar S.	nd appl	y Cannot comp apply them to	ute vectors and shapes.
Achievement 2			Ful	lly understan matrices, an	nd the def d can full	finition ly ations	Understa matrices	and the	e definitio can perfo	on of rm	Do not unders definition, and matrix compu	stand the d cannot perform
Assigne	d Dena	rtment 0	niecti	ives				0				
Teachin	a Moth	and and										
	g netri	Classes	Classes and exercises will be given on the basics of linear algebra, which is used in a wide range of fields.							ange of fields. The		
Outline		goal is t	goal is to become able to relate computation to geometry by using equations for shapes in a plane or in space							a plane or in space		
Style		There w	ill be l	lecture-style	classes, t	tests at a	appropriat	te time	s, and re	port as	signments.	
Notice		Review Study ir CBT tes Student	your w idepen t will b s who	work before on dently by us be given in or miss 1/3 or	class. Do sing probl ne of the more of	not leave lem colleo weeks. classes w	e anything ctions. vill not be	g you d	lo not un e for eva	derstai	nd unanswered,	but ask questions.
Charact	eristics	of Class	/ Divi	ision in Lea	arning			engion				
 ☑ Active Learning 				Aided by IC	T		🛛 Applio	cable to	o Remote	e Class	Instructor Experienced	Professionally
Course	Plan		1									
			Them	ne					Goals			
		1st	Plana	r Vectors					Can perf vector a	form ca rithmet	lculations using ic.	the basic laws of
		2nd	Plana	r Vectors					Can com	pute tl	ne inner product	of vectors.
		3rd	Plana	lanar Vectors					Can perf	omponent representation of plane vectors.		
	1st Ouartor	4th	Space	e Vectors					Can perf	an perform the computations using the properties of the presentation of space vectors.		
	Quarter	5th	Space	e Vectors					Can calc vector.	In calculate the area of a parallelogram as a contract of a parallelogram as a		
		6th	Space	e Vectors					Can und conditior	erstand	f parallel and per use them in calc	rpendicular ulations.
1st		7th	Space	e Vectors					Can find the equation of a line in space.			
Semeste		8th	Space	e Vectors					Can find	the eq	uation of a plane	e in space.
1		9th	Space	e Vectors					Can find	and us	se the outer proc	luct of vectors.
		10th	Space	e Vectors					Can find	the dis	stance between a	a point and a
		11th	Snace	e Vectors					Can find	the ea	uation of a sphe	rical surface
		1.2+h	Motrie						Can calc	ulate th	ne sum, differend	ce, and product of
	2nd Quarter	1201	Matri						matrices Can calc	ulate tl	ne sum, Can use	the distribution
		13th	CBT t	test					and com	ibinatio test w	n laws of matric	es. eck for retention
		15th	Sumn	marv					Review of	of the t	otal.	
16th Exam						Confirma	ation of	the studies.				
Evaluati	Evaluation Method and Weight (%)											
	Examination CBT Test Review Test Assig			Assig	nments	At	tendance points	Total				
Subtotal	itotal 25 20 25 15			15	5	100						
Basic Prof	asic Proficiency 25 20 25 15			15	5	100						
Specialized Proficiency000		0		0		0						
Cross Area Proficiency 0				0		0		0		0		0

Akashi College			Year	2024			Co	ourse Title	Μ	lathematics	5 II B-2		
Course	Informa	ation											
Course Co	ode	6208					Course C	Catego	ry	Gener	al / C	Compulsory	
Class Forr	mat	Lecture					Credits			Schoo	l Cre	dit: 1	
Departme	ent	Mechani	cal Eng	gineering			Student	Grade	_	2nd			
Term	and/or	Second	Semes	ster			Classes p	ber We	eek	2			
Teaching	Materials	Linear A	lgebra	i (Dai Nihon	Tosho)								
Instructor	r	TAKATA	Isao										
Course	Objectiv	/es											
1. Can ca 2. Can un	lculate m derstand	atrices and s the definition	solve li on and	inear systen properties o	ns of equ of deterr	uations. minants a	nd find th	e value	e of bas	sic det	ermir	nants.	
Rubric													
			Ide	al Level			Standard	l Level				Unacceptable	Level
Achievem	ient 1		Car solv equ	n compute n ve simultane uations satis	natrices eous line factorily	and ar	Can com solve sin equation	pute n nultane s.	natrices eous line	and ear		Cannot compu cannot solve s linear equatio	ute matrices and simultaneous ns.
Achievem	ient 2		Car and and det	n understand d properties d obtain the cerminants s	d the de of deter values f atisfacto	finition minants, or basic orily.	Can unde and prop and find determin	erstand perties the va pants.	d the de of dete lues of	efinitio rminai basic	n nts	Cannot under definition and determinants the values of determinants.	stand the properties of and cannot find basic
Assigne	d Depa	tment Ob	piecti	ves									
Teachin	a Metho	bd	1										
Outline		This cou range of plane ar	his course provides lectures and exercises on the fundamentals of linear algebra, which is used in a wic ange of fields. The goal is to be able to relate computation to geometry using equations of figures in the ane and in space.							used in a wide figures in the			
Style		Students Students	is are asked to prepare for the class with video clips is will be asked to study in groups during class to che				accordi eck the	ng to ir leve	the s l of u	yllabus. nderstanding.			
Notice		Review Study in CBT will Students	our w depen be giv	vork before o idently by us ven in one of miss 1/3 or	class. Do sing prot f the we more of	o not leave plem colle eks.	e anything ctions. vill not be	g you c	do not u e for ev	unders valuatio	tand	unanswered, I	but ask questions.
Charact	eristics	of Class /	Divi	sion in Lea	arning			engior		uluuch			
☑ Active	Learning	01 01000 /		Aided by IC	T		☑ Applic	cable to	o Remo	te Cla	ss	Instructor Experienced	Professionally
Course	Plan												
			Them	e					Goals				
		1st	Matrix	K					Can understand and use zero and unit matrices.				
		2nd	Matrix	κ					Can find and use transpose and inverse matrices.				
		3rd	Defini	efinition and properties of determinant				Cramer's formula.					
	3rd Quarter	4th	Definit	tion and pro	perties	of determ	inant		compu	te sim	ple d	eterminants.	
	Quarter	5th	Defini	tion and pro	perties	of determ	inant		and us	e then	n in c	alculations.	
		6th	Applic	cation of det	erminan	t			Can ex	pand (deter	minants.	
		7th	Applic	cation of det	erminan	t			Can pe	rform	a va	riety of determ	ninant calculations.
2nd Semeste		8th	Applic	cation of det	erminan	t			Can us matrix	e the .	cosin	e factor to find	d the inverse
r		9th	Applic	cation of dete	erminan	t			Can fac	ctorize	usin	g determinant	S.
		10th	Applic	cation of det	erminan	t			Can un metho	ndersta ds.	nd a	nd use matrix	elimination
		11th	Linear	r equations a	and mat	rices			Can so elimina	lve sin ation n	nulta nethc	neous linear e d.	quations using the
	4th Quarter	12th	Linear	r equations a	and mat	rices			Can fin metho	id the d.	inver	se matrix usin	g the elimination
		13th	Linear	r equations a	and mat	rices			Can de	termir	ne the	e rank of a ma	itrix.
14th CBT test					The CE	BT test	will	be used to che	eck for retention.				
15th Summary				Review	/ of the	e tota	3 .						
Evaluation Mothod and Woight (%)				ie sluules.									
Evaluation Method and Weight (%)			Assignments Attendance points Total										
Subtotal	ubtotal 25 20 25 15		15	ments		15		100					
Basic Proficiency 25 20 25			15	15 15 15		15		100					
Specialized 0 0 0			0										
Proficienc	У	-		Ĭ		l T		Ĭ			-		-

Cross Area Proficiency	0	0	0	0	0	0

A	Akashi Co	ollege	Year	2024		Course Title	e s	cience II	A-1	
Course	Informa	tion	·	•						
Course Co	ode	6209			Course Catego	ry Gener	ral / C	Compulsory	,	
Class For	mat	Lecture			Credits	Schoo	ol Crec	dit: 1		
Departme	ent	Mechani	cal Engineering		Student Grade	2nd				
Term		First Ser	nester		Classes per We	er Week 2				
Textbook Teaching	and/or Materials	國友正和	ほか著 総合物理 1	-カと運動・熱- (数	研出版)数研出版約	編集部編 リー	ドa 物 ^j	理基礎・物 現	理 (数研出版)	
Instructo	r	TAKEUC	HI Masahiro							
Course	Objectiv	'es								
1. Explair 2. Presen	n problems It various p	s involving v physical qua	arious physical q ntities to others i	uantities. n a easy-to-under	rstand manner.					
Rubric			-		1					
			Excellent		Good			Insufficient	t	
Achievement 1		Explain probler various physica	ms involving al quantities.	Solve computa involving variou quantities.	tional probler us physical	ms :	Inability to problems i physical qι	solve comput nvolving vario uantities	tational ous	
Achievement 2			Present variou quantities to o to understand	s physical thers in an easy- manner.	Present various quantities.	s physical		Inability to physical qu	present vario Jantities	us
Assigne	ed Depar	tment Ob	ojectives							
Teachin	ng Metho	od								
Outline		Learn p In the fir The stuc persever speed ar necessar units. Th assignm and cons caused b equation Next, the a total re The stuc 4: To un the stuc through of all they they can	hysics dynamics were required rant and don't given and acceleration, to rant ounderstand to the students will le ents (task prepara- sequence in physical so the exercise of the students will stu- eview of physical dents must pay at derstand constant ents will use simp the study of the le ents will use for the study of the le	which is the basis ents will learn until I to acquire a trem e up. Dynamics 1 opics learned at ju the trigonometric arn how to study ation research not cal phenomena. F a force and influe Dynamics 3: to u udy energy conser quantities learned tention to the diff t velocity circular ole vibration as an aw of universal gr nena, represented ons, they can solve	of engineering. il constant veloci nendous amount I: To understanc inior high school functions. Also, by themselves th es), etc. Dynam for example, acc onced by mass. T inderstand torqu vation law and r so far, the stud erences in powe motion through instrument to le ravitational attra l by the equation e it.	The study of of ity circular m of knowledg I the vector c . To explain t will be guided hrough daily i ics 2: to und eleration (lea he students y e which is a c nomentum co ents will be p r and energy, the study of arn about so ction by New of motion. T	dynan otion (e out a concep the coro d to ha tasks, erstan arned i will lea quanti onservorepare , that two-d bund a tron, th To mal	nics is divic (middle of a difficult t t. The cont mponents of andle signif such as se id the relat n dynamics arn more a itative conc vation law. ed to comp are easily of imensional nd light wa he student ke the stuc	led into four t dynamics topi opic, to be tents used her of a vector is ficant figures a alf-learning, do ion between c s 1) is the res about moveme cept of lever p Here, by cond orehend dynar confused. Dyn I. As an applic aves. Furtherm s will become dents perceive	opics. ic 4). re are and oing cause wilt, ants rinciple. ducting mics 4. namics ation, nore, aware that if
Style		During e and in the from the smooth the supp should fo submit t problem term vac the prob between course is and the party ex as a refe activities	each lesson (90 m he second half the e textbook. The st and meaningful. A port web page and ocus on preparation heir "problem res and not be used cations periods of plem is preserved, a students and tea s centered on the web page task, ef ternal evaluation erence. I can solv s inside and outsion	inutes) in the first students will part udents are require Also, to acquire pr d videos. In the fu on for the classes earch note." The 1 as a tool to show study time. Test: numbers and war ocher, original que problems from th tc. The students s system. In additio re Ichi's problems! de the campus.	c half the teacher ticipate in group ed to read the te oblem-solving a ture, physical re from the beginn note contains ex how much the s The test probler y of solving are of stions elaborate e textbook, in ad hould understan on to the teacher ! This fact and fe	r will explain -specific activ extbooks in ac nd presentati versal classes ing. Assignm planations of tudent had si ms are from l changed), to d by the teac ddition to oth d the textboo s' commenta eeling will give	the co vities a dvance ion sty s will t ent: T the b tudied high s avoid cher ar her lean ok fror ary, ex e conf	intents from and solve p b, to make de, we reco- ce abolishe he student ackground l. It also sh chool phys difference re not used ming mate m corner to tra handou idence to t	m in the textb problems toge team activitie ommend the u ed, so the stuc ts have to ma and essence iould include l ics book (the of interpretat 1. In resume, f erials as the vi o corner, as a uts may be dis- the students in	iook, ther ise of lents ke and of each ong- style of ion this deos third- stributed n other
Image: Production points: For specific calculation methods: https://sites.google.com/s.akast Re-examination: No retesting 5 absences will be excused. In junior high school, students think about something from zero. Learners who do no Notice of the giants, are not only inefficient but also blaspheme. In the learning of physics, animation may lead to erroneous concepts (simple concept) and sometimes interfered understanding of physical phenomena. By acquiring the "style" of thinking developed you will become a sophisticated technician who is not misled by misconceptions and					akashi.ac. o do not sta ysics, imag iterfere wit reloped by <u>is and pse</u>	.jp/physics/ and on the sh ges from comi th correct predecessor p udoscience!	oulder ics and ohysics,			
Charact		u ciass /		arning	1				tor Drofo:-	
☑ Active	Learning		☑ Aided by IC	Т	☑ Applicable t	o Remote Cla	ass	Experience	ed Protession	ally
Course Plan										
		1 ct	Six formulae for a	ingle escillation/a	151_n154)	GUdIS	toutha		ome 170 170	
		1St 2nd	Spring pondulum	$\frac{1}{1}$	151-p154)		tovtha	JUK S PRODIE	eins 170,172	177
		211U 3rd	Simple pondulum	$(\mu_{1}) = (\mu_{1}) = (\mu_{$			tovtho	xtbook's problems 173,175,177		
1st	1st		Kenler's Law and	Universal Gravita	tion(n160-	LCan explain textbook's problems 1/9,180				
r	Quarter	4th	p163)		001(0100	Can explain	textbo	ok's proble	ems 189,191	
		5th	Gravity and Satel	lites(p164-p165)		Can explain textbook's problems 192,194,19			195	
		6th	Potential evergy gravitation(p166-	due to universal -p170)		Can explain textbook's problems 196,197,			198	

		7th	Ea	rth sciences1,2		Understand and can explain several topics related to earth science.			
		8th	Mi	d term exams		Correctly answer	more than 80 % of the test.		
		9th	Te	mperature and Heat(p186-p195))	Can explain textb	ook's problems 207,211,214		
		10th	Sp	ecific Heat Experiment		Can conduct experiments sagely and submit reports on time.			
	Jand	11th	Gā	as law(p196-p201)		228,229,230,231			
	Quarter	12th	Ki	netic theory of gaseous molecules	s(p202-206)	Can explain textb	Can explain textbook's problems 238		
		13th	Fir	st law of thermodynamisc(p207-	p212)	Can explain textb	ook's problems 241-242		
		14th	P-	V graph and molar specific heat		Can explain textb	ook's problems 243,144,249		
		15th	Th	ermomotor(p218-p225)		Can solve basic th	nemodynamic problems		
		16th	En	id term exams		Correctly answer more than 80 % of the test.			
Evaluati	on Meth	od and \	Ne	ight (%)					
				Examination	Others		Total		
Subtotal	btotal			40	60		100		
Basic Proficiency			40	60		100			
Specialized Proficiency			0	0		0			
Cross Area Proficiency				0 0			0		

Course Enformation Course Category General / Computery Class Format lacture Chedits School Credit: 1 Department Michanical Engineering Student Credit 2 Term Scool Semeator Classes per Weck 2 Term Scool Semeator Classes per Weck 2 Tackhold and/s Endext And Scool Semeator Classes per Weck 2 Tackhold and/s Franchold and Scool Semeator Classes per Weck 2 Course Collectives TakeUcht Masahing. Classes per Weck 2 Achievement 1 Understand the concept of significant figures and classes per Vice of significant figures and classes per funderstand the concept of significant figures and classes per vice or and component, and use the per vice or and component, and use the per vice or and component, and use classes per vice or and component. Doer funderstand the concept of the quantity and be able to explain the property. Achievement 2 Learn physics dynamics which is the basis of engineering. The study of dynamics is divided into four topics. The study of dynamics is divided into four topics. The study of dynamics is divided into four topics. The study of dynamics is divided into four topics. The study of dynamics is divided into four topics. The study of dynamics is divided into four topics. The study of dynamics is divided into four topics. The study	Akashi College			Year	2024		C	ourse Title	Science II A-2		
Course Code 6210 Course Category General / Computary Coss Format Lecture Credits School Credit: 1 Department Mechanical Engineering Student Grade 2nd Textbook and/or teaching Materials Classes pur Week 2 Course Objectives Classes pur Week 2 Rubric Ideal Level Classes pur Week 2 Achievement 1 Understand the concept of main Garb handle significant figures and units appropriate/. Can bandle significant figures and carb handle them appropriate/. Deserit understand the concept of main Garb handle them appropriate/. Achievement 2 Understand the concept of the property. Can use vector and component. Deserit understand the concept of significant figures and carb bandle them appropriate/. Achievement 3 Understand the concept of the them significant figures and carb bandle them appropriate/. Deserit understand the concept of the them significant figures and carb bandle them appropriate/. Assigned Department Objectives Teaching Method Deserit understand the concept of the significant figures and units appropriate/. Assigned Department Objectives Teaching Method Lever the concept of dynamics is divided into four topicici. The studers with the concept of the physical quantity.	Course	Informa	tion			•					
Cleas Format Lecture Credits School Credits: 1 Department Mechanical Engineering Student Grade 2 Term Second Semester Classes per Weck 2 Term Second Semester Classes per Weck 2 Tackbook and/pr TAKEUCH Meshanistic 1 Instructor TAKEUCH Masshino, Can see Comparisely. and can significant figures and units, appropriately. Achievement 1 Understand the concept of significant figures and units, appropriately. Can use vector and component. and can significant figures and units, appropriately. Achievement 2 Understand the concept of the dynamics of the physical the units appropriately. Description understand the concept of the dynamics of the physical units. Description understand the concept of the dynamics of the physical units. Description understand the concept of the dynamics of the physical units. Description Understand the concept of the dynamics is divided into four topics. Achievement 3 Lean physical symmetric sym	Course Co	ode	6210				Course Catego	ry	General /	Compulsory	
Department Mechanical Engineering Student Grade 2n Textbook and/ori Textbook and/or	Class Forr	mat	Lecture				Credits		School C	redit: 1	
Term Second Semester Classes per Week 2 Textbook and/or Textbook and/or Textbook TAKEUCHI Masahiro,	Departme	ent	Mechan	ical Ei	ngineering		Student Grade		2nd		
Textbook and/or lastructor TAKEUCHI Masahiro, Course Objectives Ideal Level Standard Level Datertix understand the concept of and having the two programmed and the superprint of the superprin	Term		Second	Seme	ester		Classes per We	eek	2		
Instructor TAREUCHI Masahiro, Course Objectives Ideal Level Standard Level Unacceptable Level Rubric Ideal Level Standard Level Unacceptable Level Achievement 1 Understand the concept of significant figures and units, appropriately. Standard Level Operative and units, appropriately. Achievement 2 Understand the concept of the dynamics of the physical quantity, and be able to explain dynamics of the physical quantity, and be able to explain dynamics of the physical quantity. Desrit understand the concept of the dynamics of the physical quantity. Achievement 3 Learn physics dynamics which is the basis of angineering. The study of dynamics is divided into four topics. The first year, the students will learn unit constant volacity of cuantity and the students will learn unit constant volacity. Crucia's motion (middle of synamics topic 4). The students are required to firgoment functions. Also, will be quided to hanging topic topics. The exceeders will be intercomment unit constantion (middle of synamics topic 4). The students will learn how to study by themselves through daily tasks, such as self-cus topics. The students will learn topic topic topics. The students will learn topic topic topic topics. The students will learn to	Textbook Teaching	and/or Materials									
Course Objectives Rubric Ideal Level Standard Level Unacceptable Level Achievement 1 Understand the concept of spinfcent figures and units, and handle them appropriately. In units appropriately. Dearst understand and context of units, appropriately. Achievement 2 Understand the concept of wettor and component, and use participately. Dearst understand and context of understand the concept of the dynamics of the physical quantity, and basic concepts and perform the dynamics of the physical quantity, and basic concepts and perform the dynamics of the physical quantity, and basic concepts and perform the dynamics of the physical quantity. Dearst understand the concept of the dynamics of the physical quantity. Achievement 3 Learn physics dynamics which is the basis of engineering. The study of dynamics is divided into four topics. In the first year, the students will learn unit constant velocity cruiter motion (middle of dynamics topic 4). The ensurement is topic 4. The students will learn topic the median basic, documents and the velocity cruiter motion (middle of dynamics topic 4). The students will learn topic t	Instructor	r	TAKEUC	CHI Ma	asahiro,						
Rubric Ideal Level Standard Level Unacceptable Level Achievement 1 Understand the concept of significant figures and units, and hand be then appropriately. Can bendle significant figures and units appropriately. Doesn't understand the concept of understand the concept of understand the concept of them property. Achievement 2 Understand the concept of upperfixed and can't them property. Can use vector and component of the dynamics of the physical quantity, and be able to explain them property. Doesn't understand the concept of the dynamics of the physical quantity, and be able to explain them concept of the dynamics of the physical quantity. Doesn't understand the concept of the dynamics of the physical quantity. Assigned Department Objectives Teaching Method Doesn't understand the concept of the dynamics of the physical quantity. Assigned Department Objectives Teaching Method Doesn't understand the concept of the dynamics is divided into four topics. The students are required to physical quantity. The students will larem unit constant valocity circular method of the dynamics is divided into four topics. Outine Learn physics dynamics which is the basis of engineering. The study of dynamics is divided into four topics. Outine Learn physics dynamics and engine the information to be divided into four topics. Outine Learn physics dynamics of the physical quocris divided into foure topics. The s	Course	Objectiv	es								
Ideal Level Standard Level Unacceptable Level Achievement 1 Understand the concept of significant figures and units, and handle them appropriately. Can handle significant figures and can't handle them appropriately. Achievement 2 Understand the concept of vector and component, and use them paperfy. Can use vector and component. In use vector and component, and can't handle the concept of vector and component, and use them paperfy. Desn't understand the concept of the dynamics of the physical quantity, and be able to explain those concepts and perform base: calculations. Assigned Department Objectives Desn't understand the concept of the dynamics of the physical quantity. Assigned Department Objectives Desn't understand the concept of the dynamics of the physical quantity. Assigned Department Objectives Teaching Method Teaching Method Learn physics dynamics which is the basis of engineering. The study of dynamics is divided inten four topics. The first year, the students will earn undiconstant veckoric y crucium colon. (middle of dynamics topic 4). The students are required to acquire a tremendous amount of inovidege out a difficult rogic, to be speed and acceleration, rogic learned at juritor high shocks, such as self-learning, dring and consequence in physical phenomena. For example, acceleration (learned in dynamics 1) is the result. Caused by the exercice of force an influenced by mass. The students will be prepared to comprehend dynamics 4. The students must pay attention to the differences in power and encry, that are easitoroffsact dynamics 4. The students must pay attention to the diffe	Rubric										
Achievement 1 Understand the concept of and handle them appropriately. Can handle significant figures and units appropriately. Description Concept of appropriately. Achievement 2 Understand the concept of expansion of appropriately. Can use vector and component property. Description Can use vector and component property. Achievement 3 Understand the concept of the dynamics of the physical quantity, and be able to explain them property. Understand the concept of the dynamics of the physical quantity, and be able to explain them property. Description Des				Id	eal Level		Standard Level			Unacceptable Level	
Achievement 2 Understand the concept of vector and component, and use them property. Concept of the property. Doesn't understand and can't use vector and component. Achievement 3 Understand the concept of the dynamics of the physical quantity, and be able to equip the basic calculations. Understand the concept of the dynamics of the physical quantity. Doesn't understand the concept of the dynamics of the physical quantity. Assigned Department Objectives Teaching Method Learn physics dynamics which is the basis of engineering. The study of dynamics is divided into four topics. In the first year, the students will learn until constant velocity circular motion (middle of dynamics repic 4). The students are required to acquire a tremendous anount of knowledge out a diffuent topic, to be recessary to understand the trigonometric functions. Also, will be guided to handle significant figures and units. The students will learn how to study by themsolve though daily tasks, such as soft-learning, doing and consequence in physical phenomena. For example, acceleration (fearmed in dynamics 1) is the result. Caused by the exercise of a force and influenced by mass. The students will learn more about novements equations in dynamics 3. Dynamics 3: to understand torque which is a quantitative week, by conducting the students will any vatiention to the differences in power and energy, that are cally confused. Dynamics 4. To understand constant velocity circular motion through the study of dynamics. The students will earn more about sound and light wweek, Furthermore, the students will use simple vibration as an instrument to learn about sound and light wweek. Furthermore, the students will use simple vibration as an instrument to learn about sound and light wweek. Furthermore, the students will use sim	Achievem	ient 1		Ur sig ar	nderstand the gnificant figur nd handle the	e concept of es and units, m appropriately.	Can handle sig and units appro	nificant opriate	t figures ly.	Doesn't understand the concept of significant figures and units, and can't handle them appropriately.	
Achievement 3 Understand the concept of the dynamics of the physical quantity, and be able to explain basic calculations. Understand the concept of the dynamics of the physical quantity. Assigned Department Objectives	Achievem	ient 2		Ur ve th	nderstand the ector and com em properly.	e concept of apponent, and use	Can use vector properly.	and co	omponent	Doesn't understand and can't use vector and component.	
Assigned Department Objectives Teaching Method Learn physics dynamics which is the basis of engineering. The study of dynamics is divided into four topics. 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 three motions amount of knowledge out a difficult topic, to be preseverant and don't give up. Dynamics 1: To understand the vector concept. The contents used here are 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 cause and consequence in physical phenomena. For example, acceleration (learned in dynamics 1) is the result. caused by the exercise of a force and infiluenced by mass. The students will learn more about movements and consequence in physical quantities learned so far, the students will be prepared to comprehend dynamics 4. The students must pay attention to the differences in power and energy, that are easily confused. Dynamics 4. The students will use simple wigration as an instrument to learn about sound and light waves. Furthermore, or all the dynamic phenomena, represented by the equation of motion. To make the students will be represented by the exercise of the dynamic so the students will participate in group-specific activities and solve problems together from the textbook, the students will participate in group-specific activities and solve problems together from the textbook, the students will participate in group-specific activities and solve problems together from the textbook, the students will participate in group-specific activities and solve problems somoth and meaningful. Also, to acquire problem-solving and presentation style	Achievement 3			Ur dy qu th ba	nderstand the namics of the uantity, and b ose concepts asic calculatio	e concept of the e physical e able to explain and perform ns.	Understand the dynamics of th quantity.	e conce e physi	ept of the ical	Doesn't understand the concept of the dynamics of the physical quantity.	
Teaching Method Learn physics dynamics which is the basis of engineering. The study of dynamics is divided into four topics. The students are required to acquire a tremendous amount of Mowledge out a difficult topic, to be perseverant and don't give up. Dynamics 1: To understand the vector concept. The contents used here are speed and acceleration, topics learned at junior high school. To explain the components of a vector is necessary to understand the study by themselves through daily tasks, such as self-learning, doing 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 torgue which is a quantitative concept of lever principle Next, the students will study energy conservation learned by dwo-dimensional. As an application, 4: To understand constant velocity circular motion through the study of two-dimensional. As an application, 4: To understand constant velocity circular motion al attraction by Newton, the students will become aware of all the dynamic phenomena, represented by the equation of motion. To make the students will become aware of all the dynamic phenomena, represented by the equation of motion. To make the students will become aware of all the dynamic phenomena, represented by the equation of motion. To make the students with exector smooth and meaningful. Also, to acquire problem-solving and presentation style, we recommend the use of the students will estander will style are style are students. The students will be prepared to compresented to application, there were tadents will by an admitter will explain the contents from in the textbook, and in the second. Mit the students will participate in group specific activities and one problems togeter smooth and meaningful. Also, to acquire problem-solving and presentati	Assigne	d Depar	tment Ol	bject	tives						
Style Learn physics dynamics which is the basis of engineering. The study of dynamics is divided into four topics. 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 difficurt topic, to be perseverant and don't give up. Dynamics 1: To understand the vector concept. The contents used here are 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 assignments (task preparation research notes), etc. Dynamics 2: to understand the relation between cause 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 earn more about movements equations in dynamics 4. Dynamics 3: to understand torgue which is a quantitative concept of lever principle Next, the students will study energy conservation law and momentum conservation law. Here, by conducting after students mult be aparatemized to the dynamic single downamics will become aware of all the dynamic (90 minutes) in the distribution as an instrument to learn about sound and light aware. Furthermore, through the study of the law of universal gravitational attraction by Networthes and solves. 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, so the students should focus on preparation for the classes from the beginning. Assignment: The students have, so the students should focus on preparation for the classes from the beginning. Assignment: The students have aso and the web page land videos. In the future, physical	Teachin	g Metho	d								
Style During each lesson (90 minutes) in the first half the teacher will exclipion 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 and 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 of the problem is preserved, numbers and way of solving are changed), to avoid difference of interpretation between students and teacher, reginal 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 an efform high school physics book (the style of as a reference. I can solve Ich's problems: This fact and feeling will give confidence to the students in other activities inside and outside the campus. Notice Evaluation points: For specific calculation methods: https://sites.google.com/s.akashi.ac.jp/physics/ Re-examination: No retesting Sabsences will be excused. Notice In junior high school, students think about something from zero. Learners who do not stand on the shoulder of the giangli of physical phenomena. By acquiring the "style" of thinking idveloped by predecessor physics, you will	Outline Outlin							at a difficult topic, to be ept. 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 ared to comprehend dynamics 4. at are easily confused. Dynamics -dimensional. As an application, d and light waves. Furthermore, , the students will become aware nake the students perceive that if			
Notice Evaluation points: For specific calculation methods: https://sites.google.com/s.akashi.ac.jp/physics/ S absences will be excused. In junior high school, students think about something from zero. Learners who do not stand on the shoulder of the giants, are not only inefficient but also blaspheme. In the learning of physics, images from comics and 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 physics, you will become a sophisticated technician who is not misled by misconceptions and pseudoscience! Characteristics of Class / Division in Learning	StyleStyleDuring each lesson (90 minutes) in the first half the teacher will explain th and in the second half the students will participate in group-specific activiti from the textbook. The students are required to read the textbooks in adva smooth and meaningful. Also, to acquire problem-solving and presentation the support web page and videos. In the future, physical reversal classes v should focus on preparation for the classes from the beginning. Assignmen submit their "problem research note." The note contains explanations of th problem and not be used as a tool to show how much the student had stud term vacations periods of study time. Test: The test problems are from hig the problem is preserved, numbers and way of solving are changed), to av between students and teacher, original questions elaborated by the teacher course is centered on the problems from the textbook, in addition to other and the web page task, etc. The students should understand the textbook party external evaluation system. In addition to the teachers' commentary as a reference. I can solve Ichi's problems! This fact and feeling will give of the group of the problem is preserved.						xplain the ic activitie s in advan classes wi signment ons of the had studi from high d), to avo e teacher to other l extbook fi mentary, vill give co	contents from in the textbook, s and solve problems together nce, to make team activities style, we recommend the use of ill be abolished, so the students : The students have to make and a background and essence of each ied. It also should include long- n 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 third- extra handouts may be distributed onfidence to the students in other			
Characteristics of Class / Division in Learning ☑ Active Learning ☑ Aided by ICT ☑ Applicable to Remote Class ☐ Instructor Professionally Experienced Course Plan	Notice		Evaluati Re-exar In junio of the g animatiu underst you will	on po ninati r high iants, on ma andin beco	bints: For spectron: No retest school, stud are not only ay lead to erro g of physical me a sophisti	cific calculation m ing ents think about s inefficient but als oneous concepts (phenomena. By a cated technician y	ethods: https:// 5 absences w comething from o blaspheme. Ir (simple concept) cquiring the "st who is not misle	'sites.g vill be e zero. L the le) and s yle" of d by m	oogle.com excused. .earners w arning of ometimes thinking d isconcept	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!	
Active Learning Aided by ICT Applicable to Remote Class Instructor Professionally Experienced Course Plan Intervention Goals Image: Semeste r 1st Vibration and resonance/resonance of the sounding body(p46-p53) Can explain textbook's problems 294,288,300 Image: Semeste r 3rd Doppler effect(p54-p60) Can explain textbook's problems 307,309,310 Image: Semeste r 3rd Properties of Light(p62-p71) Can explain textbook's problems 317,318	Charact	eristics of	of Class /	<u>/ Div</u>	rision in Lea	arning	1				
Course Plan Course Plan Goals 2nd Theme Goals 2nd Ist Vibration and resonance/resonance of the sounding body(p46-p53) Can explain textbook's problems 294,288,300 2nd 2nd Doppler effect(p54-p60) Can explain textbook's problems 307,309,310 3rd Properties of Light(p62-p71) Can explain textbook's problems 317,318 4th Lens (n72-n77) Can explain textbook's problems 326,327,328	☑ Active	Learning		\square	Aided by IC	Т	☑ Applicable t	o Remo	ote Class	 Instructor Professionally Experienced 	
Course Plan Goals 2nd 3rd Vibration and resonance/resonance of the sounding body(p46-p53) Can explain textbook's problems 294,288,300 2nd 2nd Doppler effect(p54-p60) Can explain textbook's problems 307,309,310 3rd Properties of Light(p62-p71) Can explain textbook's problems 317,318 4th Lens (n72-n77) Can explain textbook's problems 326,327,328											
Image: Constraint of the sounding body(p46-p53) Goals 2nd Semeste r 3rd Quarter 1st Vibration and resonance/resonance of the sounding body(p46-p53) Can explain textbook's problems 294,288,300 2nd Semeste r 3rd Doppler effect(p54-p60) Can explain textbook's problems 307,309,310 3rd Properties of Light(p62-p71) Can explain textbook's problems 317,318 4th Lens (n72-n77) Can explain textbook's problems 326,327,328								-			
2nd Semeste r3rd Quarter1stVibration and resonance/resonance of the sounding body(p46-p53)Can explain textbook's problems 294,288,3002nd Quarter2ndDoppler effect(p54-p60)Can explain textbook's problems 307,309,3103rd 3rdProperties of Light(p62-p71)Can explain textbook's problems 317,3184thLeps (n72-n77)Can explain textbook's problems 326,327,328	Theme				Goals		oals				
2nd Semeste r 3rd Quarter 2nd Doppler effect(p54-p60) Can explain textbook's problems 307,309,310 3rd Properties of Light(p62-p71) Can explain textbook's problems 317,318 4th Leps (p72-p77) Can explain textbook's problems 326,327,328	1st Vil		Vibra	ation and reso	onance/resonance	e of the	Can ex	xplain text	xtbook's problems 294,288,300		
Semeste Quarter Zitik Dopped circle(p3+ p00) r 3rd Properties of Light(p62-p71) Can explain textbook's problems 317,318 4th Lens (n72-n77) Can explain textbook's problems 326 327 328	2nd	3rd	2nd	Dopr	her effect(n5	4-n60)		Can er	nlain tovi	thook's problems 307 309 310	
4th [Lens (n72-n77)] (Can explain textbook's problems 326 327 328	r	Quarter	3rd	Pron	erties of Light	t(n62-n71)		Can explain textbook's problems 317 318			
			4th	Lens	(p72-p77)			Can ex	xplain text	tbook's problems 326,327.328	

		5th	Interference and refraction of light	(p85-p89)	Can explain textbook's problems 337,338		
		6th	Thin films and Newton rings (p90-p	93)	Can explain textb	oook's problems 341,342	
		7th	Electric field (p106-p116)		Can explain textb	oook's problems 351,349,353	
		8th	Electric potential (p117-128)		Can explain textb	oook's problems 355,358,359	
		9th	CBT(Computer Based Testing)		Can explain CBT		
		10th	Capacitance of Capacitors and Capa Dielectrics (p129-p135)	citors and	Can explain textb	oook's problems 332,334,335	
		11th	Capacitor connections and energy s capacitors (p136-p140)	tored in	Can explain textbook's problems 336,337,342		
		12th	Ohm's law (p142-p147)		Can explain textb	oook's problems 357(1)~(4)	
	4th Quarter	13th	Joule heat and power and power ar (p148-p153)	nd DC circuits	Can explain textb	oook's problems 351,354,356	
		14th	Kirchhoff's Law, batteries and the V Bridge (p156-p159)	Vheatstone	Can explain textbook's problems 360,363,365		
		15th	Measurement of electromotive force circuits with non-linear resistors and (p160-p163)	e and dc d capacitors	Can explain textbook's problems 367,368,369		
	16th fi		final exam		Correctly answer	more than 80 % of the test.	
Evaluation Method and W		od and V	Veight (%)				
			Examination	Other		Total	
Subtotal			40 60			100	
Basic Proficiency			40 60			100	

A	kashi Co	ollege	Year	2024		Cours Title	e	Science II B-1	
Course	Informa	tion	·						
Course Co	ode	6211			Course Catego	ry Gene	ral /	Compulsory	
Class For	mat	Lecture			Credits	Scho	ol Cre	edit: 1	
Departme	ent	Mechanic	al Engineering		Student Grade	2nd			
Term		First Sem	ester		Classes per We	eek 2			
Textbook Teaching	and/or Materials								
Instructor	r	SAKURAI	Yasuhiro						
Course	Objectiv	es							
1. Can ex particles) 2. Can us reactants 3. Can ex 4. Can ex	plain and o e chemica and produ plain and o plain and o	calculate the l equations, ucts in a read calculate the calculate the	basic matters re and explain and tion. basic matters re basic matters re	elated to the comp calculate the basic elated to acids and elated to oxidation	position of substa c matters related bases. and reduction r	ances (includ d to the relat reactions.	ling r tionsh	natters related to the bonding of hip between the amounts of	
Rubric			1						
			Ideal Level		Standard Level			Unacceptable Level	
Achievement 1			Can fully and a and calculate to related to the o substances (ind related to the b particles).	ccurately explain the basic matters composition of cluding matters bonding of	Can explain and basic matters r composition of (including matt bonding of part	d calculate the related to the substances rers related te ticles).	he e o the	Cannot explain and calculate the basic matters related to the composition of substances (including matters related to the bonding of particles).	
Achievement 2			Can use chemi and fully and a and calculate t related to the r between the an reactants and p reaction.	cal equations, ccurately explain he basic matters elationship mounts of products in a	Can use chemical equations, and explain and calculate the basic matters related to the relationship between the amounts of reactants and products in a reaction.			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.	
Achievement 3			Can fully and a and calculate t related to acids	ccurately explain he basic matters and bases.	Can explain and calculate the basic matters related to acids and bases.		Cannot explain and calculate the basic matters related to acids and bases.		
Achievem	ient 4		Can fully and a and calculate to related to oxida reduction react	ccurately explain he basic matters ation and ions.	Can explain and basic matters r oxidation and r reactions.	d calculate to elated to eduction	ne	Cannot explain and calculate the basic matters related to oxidation and reduction reactions.	
Assigne	d Depar	tment Ob	iectives						
Teachin	ig Metho	d							
Outline		The object	tives of this cour	rse is to gain a ba	sic knowledge of	f chemicals,	and	to develop scientific thinking by	
Style		Classes a	re taught in a lec	ture-style format.	. y.				
		We hope	that by observin	g their everyday li	ives scientifically	, students w	vill red	cognize that chemistry is all	
Notice		around us Students	s. who miss 1/3 or	more of classes v	, vill not be eligibl	e for evaluat	ion.		
Charact	eristics o	of Class /	Division in Le	arning	.				
Active	Learning		□ Aided by IC	Т	☑ Applicable to	o Remote Cl	ass	☑ Instructor Professionally Experienced	
Course	Plan	,							
		1	heme			Goals			
		1st C	Drientation: Whe	n learning chemis	try	Can explain	and	calculate the basic matters	
		2nd C	Composition of su	ibstances - 1		related to th		mposition of substances.	
		3rd C	Composition of su	ıbstances - 2		related to th	and one cor	calculate the basic matters mosition of substances.	
	1st	4th C	Composition of su	ıbstances - 3		Can explain related to the to	and one cor	calculate the basic matters mosition of substances.	
	Quarter	5th C	Composition of su	ıbstances - 4		Can explain	and one con	calculate the basic matters	
1st Semeste 6th		6th E	Bonding of partic	es - 1		Can explain	and one boo	calculate the basic matters	
7th		7th E	Bonding of partic	es - 2		Can explain	and one boo	calculate the basic matters	
8th Chem		Chemical bonding	and substances						
9th 2nd		9th S	Summary of the o	composition of sub	ostances	Can explain and calculate the basic matters related to the composition of substances and bonding of particles.			
Quarter 10th			Chemical equation mounts of reacta	emical equations and relationship between the ounts of reactants and products in a reaction -			Can explain and calculate the basic matters related to the relationship between the amounts of reactants and products in a reaction.		

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

Akashi College		Year	2024		Course Title	Science II B-2				
Course	Informa	tion								
Course Co	ode	6212			Course Category	General	/ Compulsory			
Class Form	nat	Lecture			Credits	School C	redit: 1			
Departme	ent	Mechanical	Engineering		Student Grade	2nd				
Term		Second Ser	nester		Classes per Wee	k 2				
Textbook Teaching	and/or Materials	「新編化学碁	基礎」数研出版、	「リードa 化学基	基礎+化学」数研出版	仮、「フォトサ-	イエンス 化学図録」数研出版			
Instructor	-	SAKURAI Y	asuhiro							
Course	Objectiv	es								
1. 物質の 2. 化学反应 3. 酸・塩 4. 酸化・道	構成(粒子の 芯式が取り 基に関する 夏元反応に	の結合に関する 汲え、反応量の 基本事項につい 関する基本事項	事項を含む)に 関係に関する基本 て説明や計算が について説明や	関する基本事項につ 本事項について説明 できる。 計算ができる。	いて説明や計算がて や計算ができる。	できる。				
Rubric										
			理想的な到達レイ	ベルの目安	標準的な到達レベ	ルの目安	未到達レベルの目安			
評価項目1			物質の構成(粒- 事項を含む)に ついて的確な説 十分にできる。	子の結合に関する 関する基本事項に 明や正確な計算が	物質の構成(粒子 事項を含む)に関 ついて説明や計算	の結合に関する する基本事項に ができる。	物質の構成(粒子の結合に関する 事項を含む)に関する基本事項に ついて説明や計算ができない。			
評価項目2			化学反応式が取り 関係に関する基準 確な説明や正確が きる。	り扱え、反応量の 本事項について的 な計算が十分にで	化学反応式が取り 関係に関する基本 明や計算ができる	扱え、反応量の 事項について説 。	化学反応式が取り扱え、反応量の 関係に関する基本事項について説 明や計算ができない。			
評価項目3			酸・塩基に関する て的確な説明やう にできる。	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。			
評価項目4			酸化・還元反応(について的確な が十分にできる。	こ関する基本事項 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。			
Assigne	d Depar	tment Obje	ectives							
Teachin	g Metho	d								
Outline	2	この科目は、 する基礎知識 立てる、化学	企業で化学に関 歳について講義形 学の基礎理論を理 する。	する研究開発を担当 えで授業を行うもの 離することによって	当していた教員が、 のである。習得した て、科学的思考を養	その経験を活か 化学の基礎事項 うことを目標と	し、化学物質の性質や化学反応に関 をくらしや生活環境と関連付けて役 する。また、ライフサイエンスにつ			
Style		授業は講義用	 形式で行う。確認	。 マントを複数回適り	官実施する。					
Notice		日常生活を 評価の対象	科学的に考察する としない欠席条何	うことによって、「4 牛(割合) 1/3以上	化学」が身近な存在 の欠課	であることを認	識する。			
Charact	eristics of	of Class / D	ivision in Le	arning						
Active	Learning		□ Aided by IC	T	☑ Applicable to	Remote Class	 Instructor Professionally Experienced 			
Course	Plan	, ,								
		Th	eme		0	Goals				
		1st 酸	・塩基の反応-1	し : 酸・塩基の性質		酸と塩基の性質について理解し、説明できる。アレニ 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	ſi	西数、電離度を理	1 解し、酸と塩基の強弱を説明できる			
		3rd 酸	・塩基の反応-3	:水素イオン濃度	7_	k素イオン濃度に	こついて理解し、説明できる。			
	3rd Quarter	4th 酸	・塩基の反応-4	:pHと指示薬	Ţ	H、指示薬につ ついて考察、説明	いて理解し、測定方法、pHの変化に 月できる。			
		5th 酸	・塩基の反応-5	: 中和反応と塩	L L	中和反応について 月できる。	ご理解できる。塩の性質を理解し、説			
		6th 酸	・塩基の反応-6	:中和滴定	F	中和滴定について	[理解し、説明できる。			
2nd		7th 酸	・塩基の反応-7		西	酸・塩基の反応(_関する基礎問題が解ける。			
r		8th 酸	化・還元反応- 1	し:酸化と還元	ē	酸化と還元につい	ヽて理解し、説明できる。			
		9th 酸	化・還元反応-2	:酸化数の変化	西	酸化数について理 兑明できる。	1 野し、酸化・還元反応前後の変化を			
	10th		化・還元反応-3	:酸化剤、還元剤	1	代表的な酸化剤、	還元剤の性質を理解し説明できる。			
11th		11th 酸	<u>IL・遠元反応-4</u>			<u> 酸化遠元反応式を</u>	<u>と</u> 埋所し、記明できる。			
4th 12th 酸化			<u>IL・遠元反応-5</u>		又心		マルについて埋解できる。			
Quarter 13th 酸化			1 <u>に・</u> 速元反応-6	<u>:1 オン化傾同</u>		1 オン化傾向にこ	いて田畑」 ジョッキス			
14th 函						電池の仕組みについて理解し、説明できる。 酸化・還元に関する基礎問題が解ける。ライフサイエ				
						ンスに関する内容について理解し、解説できる。				
-		16th 期	木試験			安期の内容に関す	のる基礎問題を解き、説明できる。			
Evaluat	ion Meth	od and We	ight (%)		マの作					
1			武涛央		しての他		I OTAI			

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	ollege		Year	2024		Cou Ti	urse tle	Physical Education II-1
Course	Informa	tion							
Course Co	ode	6213				Course Catego	ry G	eneral /	Compulsory
Class Forr	mat	Skill				Credits	S	chool Cr	edit: 1
Departme	ent	Mechani	cal E	Engineering		Student Grade	21	nd	
Term		First Ser	nest	er		Classes per We	eek 2		
Textbook Teaching	and/or Materials								
Instructor	-	GOTOH	Taka	ayuki,MAEDA 1	Tadanori				
Course	Objectiv	es							
 Particip Can tal take the r 	bate in clas ke action t necessary a	ses to imp o conduct action to de	rove sport o so.	e students' owi ts safely. Also,	n health and phys recognizes the si	ical strength. Al gnificance of co	lso, have Illaboratin	some le ng and co	vel of self-discipline. poperating with the team and can
Rubric									
			Ic	deal Level		Standard Level			Unacceptable Level
Achievement 1			A ir p le	actively particip mprove their h hysical streng evel of self-dis	pate in classes to ealth and th. Have a high cipline.	Participate in c their health an strength. Have self-discipline.	lasses to d physica some lev	improve Il vel of	Reluctant to participate in classes, or improve their own health and physical strength. Do not have a high level of self- discipline.
Achievement 2			A s a a	ctively particip port practices re very compe great influence	bate in various and games, and stitive. Also have se on games, etc.	Can actively pa various sport p games. And als for them.	articipate practices a so have th	in and he skills	Do not participate in various sport practices and games.
Achievement 3			U w te	Inderstand the vell, and can h eamwork.	role of a leader elp increase	Understand an take on the role	d can pla e of a lea	y or der.	Do not understand the role of a leader. Also, never play that role.
Assiane	d Depar	ment Ol	biec	tives		•			
Teachin	a Metho	d	,						
Outline The goal of this course is for students to learn more about the fun and depth of sports so that they can the habit of playing sports on a daily basis. This class requires an active and proactive attitude to partice Students will split into groups and leaders will take the lead to plan, review, and implement the course content. Students can choose from: Softball, soccer, futsal, tennis, basketball, volleyball, badminton, to tennis, other sports as determined feasible by teachers while ensuring safety, based on requests from students.						of sports so that they can build proactive attitude to participate. and implement the course II, volleyball, badminton, table , based on requests from			
Style		Students they sho expected practice	s are ould d to . Stu	e encouraged t learn the rules develop more idents and inst	o actively particips and how to play advanced techno cructors should we	ate in games ar games, etc., an logies and impro ork together to o	nd practic nd try to le ove team create a s	e and to earn bas work thr safe and	b discover the fun of sports. First, sic skills. In addition, they are rough games and game-style welcoming class.
Notice No				ool-designated s will be deduc ear accessories so eligible for artphones or will be excuse endance will b covered that a ill be marked a who miss 1/4 o	I training wear, at ted from their gra s, watches, or any grade deduction. any other unrelat ed for the first 20 e marked as abse student left class is absent, and the or more of classes	hletic shoes, or ide. / other unneces: ed activities dur minutes. Studer nt. · early without b ir grade for pre ; will not be eligi	other des sary item ing class nts can p peing excu vious clas ible for ev	signated as, as we are subj articipat used (dit sses will valuatior	l clothing. If students fail to wear ell as chewing gum during class. ect to point deductions. e in the class after 20 minutes, cching class), their attendance for suffer a deduction equal to an n.
Charact	eristics o	of Class /	' Div	vision in Lea	arning				
☑ Active	Learning			Aided by IC	Т	☑ Applicable t	o Remote	e Class	 Instructor Professionally Experienced
Course	Plan	1					1		
			The	me			Goals		
		1st	Guio	dance			Understa course. F necessar	and the Reackno ry to saf	purposes and objectives of this wledge that warm-ups are ely exercise.
		2nd	Soft volle as d safe	ball, soccer, fu eyball, badmin determined fea ety, based on r	utsal, tennis, bask ton, table tennis, sible by teachers equests from stud	etball, other sports while ensuring dents.	Can do v reflect oi	warm-up n the cla	and practice, play games, and ss, led by a leader.
1st Semeste r	1st Quarter	3rd	Soft volle as d safe	ball, soccer, fu eyball, badmin determined fea ety, based on r	utsal, tennis, bask ton, table tennis, sible by teachers equests from stud	etball, other sports while ensuring dents.	Can do v reflect oi	warm-up n the cla	and practice, play games, and uss, led by a leader.
	4th	Soft volle as d safe	ball, soccer, fu eyball, badmin determined fea ety, based on r	utsal, tennis, bask ton, table tennis, sible by teachers equests from stud	etball, other sports while ensuring dents.	Can do v reflect o	warm-up n the cla	and practice, play games, and uss, led by a leader.	
5t		5th	Soft volle as d safe	ball, soccer, fu eyball, badmin determined fea ety, based on r	utsal, tennis, bask ton, table tennis, sible by teachers equests from stud	etball, other sports while ensuring dents.	Can do warm-up and practice, play games, and reflect on the class, led by a leader.		

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

А	kashi Co	ollege		Year	2024		Cou Ti	urse itle	Physical Education II-2
Course	Information	tion							
Course Co	ode	6214				Course Catego	ry G	General /	Compulsory
Class For	mat	Skill				Credits	S	chool Cr	edit: 1
Departme	ent	Mechani	cal E	Engineering		Student Grade	2	nd	
Term		Second	Sem	lester		Classes per We	eek 2		
Textbook Teaching	and/or Materials								
Instructor	r	GOTOH	Taka	ayuki,MAEDA 1	Fadanori				
Course	Objectiv	es							
 Particip Can tal take the r 	bate in clas ke action t necessary a	ses to imp o conduct s action to de	rove sport	e students' owr ts safely. Also,	n health and phys , recognizes the si	ical strength. Al gnificance of co	lso, have Illaboratir	some le	vel of self-discipline. ooperating with the team and can
Rubric									
			Ic	deal Level		Standard Level			Unacceptable Level
Achievement 1			A ir p le	actively particip mprove their h hysical strengi evel of self-disc	pate in classes to ealth and th. Have a high cipline.	Participate in c their health an strength. Have self-discipline.	lasses to d physica some le	improve al vel of	Reluctant to participate in classes, or improve their own health and physical strength. Do not have a high level of self- discipline.
Achievement 2			A s a a	ctively particip port practices re very compe great influence	bate in various and games, and stitive. Also have se on games, etc.	Can actively pa various sport p games. And als for them.	articipate practices a so have t	in and he skills	Do not participate in various sport practices and games.
Achievement 3			U w te	Inderstand the vell, and can h eamwork.	role of a leader elp increase	Understand an take on the role	d can pla e of a lea	iy or ider.	Do not understand the role of a leader. Also, never play that role.
Assigned Department Objectives									
Teachin	a Metho	d	. <u>.</u>						
Outline The goal of this course is for students to learn more about the fun and depth of sports so that they can the habit of playing sports on a daily basis. This class requires an active and proactive attitude to partice Students will split into groups and leaders will take the lead to plan, review, and implement the course content. Students can choose from: Softball, soccer, futsal, tennis, basketball, volleyball, badminton, to tennis, other sports as determined feasible by teachers while ensuring safety, based on requests from students.						n of sports so that they can build proactive attitude to participate. and implement the course II, volleyball, badminton, table , based on requests from			
Style		Students they sho expected practice	s are ould d to . Stu	e encouraged t learn the rules develop more idents and inst	to actively particip and how to play advanced techno cructors should we	ate in games ar games, etc., an logies and impro ork together to o	nd praction nd try to l ove team create a s	ce and to learn bas work thi safe and	o discover the fun of sports. First, sic skills. In addition, they are rough games and game-style welcoming class.
Notice		Wear them, pr Do no These at Use o Tardii but their If it is that class absence Studen	scho oints of we re ali of sm ness atte s disc s wi nts v	ool-designated s will be deduc ear accessories so eligible for artphones or will be excuse endance will b covered that a ill be marked a who miss 1/4 c	I training wear, at ted from their gra s, watches, or any grade deduction. any other unrelated for the first 20 e marked as abse student left class is absent, and the or more of classes	thletic shoes, or ade. other unneces ed activities dur minutes. Studer nt. early without b ir grade for pre will not be eligi	other de sary item ing class nts can p being exci vious clas ible for e	signatec as, as we are subj participat used (dit sses will valuation	I clothing. If students fail to wear ell as chewing gum during class. ject to point deductions. e in the class after 20 minutes, tching class), their attendance for suffer a deduction equal to an n.
Charact	eristics o	of Class /	' Div	vision in Lea	arning				
☑ Active	Learning			Aided by IC	Т	☑ Applicable t	o Remote	e Class	 Instructor Professionally Experienced
Course	Plan								
			The	me			Goals		
		1st	Guio	dance			Understa course. necessa	and the Reackno ry to saf	purposes and objectives of this wledge that warm-ups are ely exercise.
		2nd	Soft volle as d safe	ball, soccer, fu eyball, badmin determined fea ety, based on r	utsal, tennis, bask iton, table tennis, isible by teachers requests from stud	etball, other sports while ensuring dents.	Can do v reflect o	warm-up on the cla	and practice, play games, and ass, led by a leader.
2nd Semeste r	3rd Quarter	3rd	Soft volle as d safe	ball, soccer, fu eyball, badmin determined fea ety, based on r	utsal, tennis, bask iton, table tennis, isible by teachers equests from stud	etball, other sports while ensuring dents.	Can do v reflect o	warm-up in the cla	o and practice, play games, and ass, led by a leader.
	4th	Soft volle as d safe	ball, soccer, fu eyball, badmin determined fea ety, based on r	utsal, tennis, bask iton, table tennis, isible by teachers requests from stud	etball, other sports while ensuring dents.	Can do v reflect o	warm-up on the cla	and practice, play games, and ass, led by a leader.	
5ti		5th	Soft volle as d safe	ball, soccer, fu eyball, badmin determined fea ety, based on r	utsal, tennis, bask iton, table tennis, isible by teachers requests from stud	etball, other sports while ensuring dents.	Can do warm-up and practice, play games, and reflect on the class, led by a leader.		

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

А Д	kashi Co	ollege		Year	2024		C	ourse Title	English II A-1
Course	Informa	tion							
Course Co	ode	6215				Course Catego	ory	General /	Compulsory
Class For	mat	Lecture				Credits	/	School C	redit: 1
Departme	ent	Mechani	cal Er	ngineering		Student Grade	:	2nd	
Term		First Ser	neste	er		Classes per Wo	eek	2	
Textbook	and/or Materials	New Ray	/s En	glish Commu nunication II	nication II Textbo Workbook	ok / New Rays	English	Commun	ication II Study Note / New Rays
Instructor	-	HERBER	T Joh	nn C.					
Course	Ohiectiv	<u></u>							
1) To rev use it app 2) To rev study gui 3) To rev school lea 4) To rea 5) To acq	iew the vo propriately iew the gra delines. iew senter arning guid d sentence uire Englis	cabulary le ammar lean lece structur lelines. es, understa h pronunci	arned rned a res lea and to ation	d at junior hig at junior high arned in junic ext outlines, a skills and acc	h school, acquire school, and learr or high school anc and extract neces cent rules so that	new vocabular n to use gramm l learn to use se sary informatio the student car	y follow ar rules entence n from n speak	ring the hi appropria structure English te clearly ar	gh school learning guidelines, and ately, according to the high school s appropriately, following the high xts. Id communicate to the listener.
Rubric									
			Id	leal Level		Standard Leve			Unacceptable Level
Achievem	ent 1		Th ne hig an	ne student has ew vocabulary gh school lear nd uses them	s well acquired following the rning guidelines appropriately.	The student have been been been been been been been be	as acqu owing t g guidel propriate	ired new he high ines and ely.	The student has neither acquired new vocabulary following the high school learning guidelines nor used them appropriately.
Achievement 2			Th us ap hig	ne student has se grammar ri opropriately, a gh school stu	s well learned to ules according to the dy guidelines.	The student ha grammar rules according to th study guideling	as learn approp ne high es.	ed to use priately, school	The student has not learned to use grammar rules appropriately, according to the high school study guidelines.
Achievement 3			Th us ap sc	ne student has se sentence st opropriately, f shool learning	s well learned to cructures ollowing the high guidelines.	The student has sentence struct appropriately, school learning	as learn tures followir g guidel	ed to use ng the hig ines.	The student has not learned to use sentence structures h appropriately, following the high school learning guidelines.
Achievement 4			Th se ou inf ve	ne student car entences, und utlines, and ex formation from ery well.	n read erstand text ktract necessary m English texts	The student can read sentences, understand te outlines, and extract nec information from English		d text necessary lish texts.	The student can not read sentences, understand text outlines, or extract necessary information from English texts.
Achievem	ient 5		T Er ac ca co	he student hanglish pronund ccent rules so an speak clear communicate to	as well acquired ciation skills and that the student ly and o the listener.	The student has acc English pronunciation accent rules so that can speak clearly and communicate to the		uired skills and ne student stener.	The student has not acquired English pronunciation skills or accent rules so that the student can speak clearly and communicate to the listener.
Assiane	d Depar	tment Of	piect	tives	•				
Teachin	a Metho	d							
Outline		Based o English	n Eng sente	glish learned i ences and acq	n junior high scho uire reading skills	ool, this class is ; to help them a	to help acquire	students the ability	understand the basic structure of to listen and express simple
Style		English s	sente he cla	nces; and, to asses, prepar	perform word tes e for the classes b	sts and strength by studying the	nen voc relevan	abulary ki It sections	nowledge. of the workbook.
,			aro u	used to increa	se student vocabi	ulary and develo	on listor	ning ability	
Notice		Students	s who	$\frac{1}{2} \text{ miss } 1/4 \text{ or}$	more of the class	es will not be e	ligible fo	or evaluat	ion.
Charact	eristics of	of Class /	' Div	vision in Lea	arning				
🛛 Active	Learning			Aided by IC	Т	☑ Applicable t	to Remo	ote Class	Instructor Professionally Experienced
Course	Plan								
			Then	ne			Goals		
		1st	Cour (Cou	rse guidance Irse progress	method, learning	method, etc.)	Under	stand cou	rse content and assignments.
		2nd	Chap	oter 1 Part 1/2	2		Based school langua	on the co , understange.	ntent learned in junior high and the basic structure of English
		3rd	Chap	oter 1 Part 3/4	4		Based school langua	on the co , understa	ntent learned in junior high and the basic structure of English
1st Semeste	1st Ouarter	4th	Revie	ew			Under	standing t d so far.	he weak points on the content
r Quarter	5th	Chap	oter 2 Part 1/2	2		Based school langua	on the co , understa	ntent learned in junior high and the basic structure of English	
		6th	Chap	oter 2 Part 3/4	4		Based school langua	on the co , understa	ntent learned in junior high and the basic structure of English
7th Rev				ew			Understanding the weak points on the content learned so far.		

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

А	kashi Co	ollege		Year	2024		C	ourse Title	English II A-2
Course	Information	tion							
Course Co	ode	6216				Course Catego	ry	General	/ Compulsory
Class For	mat	Lecture				Credits		School C	redit: 1
Departme	ent	Mechani	cal E	Ingineering		Student Grade		2nd	
Term		Second	Sem	ester		Classes per We	eek	2	
Textbook Teaching	and/or Materials	Crown E	Inglis	sh Communica	tion II / Crown St	tudy Note / Cro	wn WO	RKBOOK	
Instructor	-	INOUE H	Hidet	oshi					
Course	Obiectiv	es							
1) To rev use it app 2) To rev study gui 3) To rev appropria 4) Can re 5) To acq	iew the vo propriately. iew the gra delines. iew senten tely, follow ad senten uire Englis	cabulary le ammar lea ices structu ving the hig ces written h pronunci	arne rned ures gh sc in E atior	d at junior hig at junior high learned in juni chool learning nglish, unders n skills and acc	h school, acquire school, and learn ior high school, ar guidelines. tand the text outl cent rules so that	new vocabular to use gramm nd learn to use ine, read and ex the student car	y follow ar rules senteno xtract r n speak	ving the h appropri ce structu necessary clearly ar	igh school learning guidelines, and ately, according to the high school res and operate them information. nd communicate to the listener.
Rubric									
			Ic	deal Level		Standard Leve			Unacceptable Level
Achievem	ent 1		T h a	he student has ew vocabulary igh school lear nd use it appro	s well acquired following the rning guidelines opriately.	The student ha vocabulary foll school learning use it appropri	as acqu owing t guidel ately.	ired new the high lines and	The student has not acquired new vocabulary following the high school learning guidelines and use it appropriately.
Achievement 2			T u: aj h	he student has se grammar ru ppropriately, a igh school stud	s well learned to ules according to the dy guidelines.	The student ha grammar rules according to th study guideline	as learn approp ne high es.	ned to use priately, school	The student has not learned to use grammar rules appropriately, according to the high school study guidelines.
Achievement 3			T u: o fc le	he student has se sentence st perate them a ollowing the hi earning guideli	s well learned to cructures and ppropriately, gh school nes.	The student has sentence struct them appropria the high schoo guidelines.	as learn tures a ately, fo I learni	ned to use nd operat ollowing ng	The student has not learned to use sentence structures and operate them appropriately, following the high school learning guidelines.
Achievement 4			T Se U re in	he student car entences writt nderstand the ead and extrac nformation.	n well read en in English, text outline, ct necessary	The student can read sentences written in English, understand the text outline, read and extract necessary information.		sentence derstand and ormation.	s The student can not read sentences written in English, understand the text outline, read and extract necessary information.
Achievem	ient 5		T E a Ca Ca	The student hanglish pronunc ccent rules so an speak clear communicate to	as well acquired ciation skills and that the student ly and o the listener.	The student has acquired English pronunciation skills and accent rules so that the student can speak clearly and communicate to the listener.		uired skills and he studen istener.	The student has not acquired English pronunciation skills and accent rules so that the student can speak clearly and communicate to the listener.
Assiane	d Depar	tment Ol	biec	tives					
Teachin	a Metho	d	- <u>]</u>						
Outline		Based o acquire tests an	n the read	e junior high se ing skills. To a rengthen vocal	chool learned con cquire the ability pulary knowledge.	tent, to underst to listen and ex	and the press s	e basic st simple Eng	ructure of English sentences and glish sentences. To perform word
Style		Attend t Handout	he cl t will	lasses, prepare be provided in	e for the classes s n the first week.	tudying the relation over the har	evant s ndout a	ections of Ind under	the workbook. stand it in detail.
Notice		Use quiz Student	zzes † s wh	to increase stu o miss 1/3 or	Ident vocabulary more of classes w	and develop list vill not be eligib	ening a le for e	ability. valuation.	
Charact	eristics o	of Class /	′ Div	vision in Lea	arning				
Active	Learning			Aided by IC	Т	☑ Applicable t	o Remo	ote Class	Instructor Professionally Experienced
Course	Plan	1							
			The	me			Goals		
		1st	Cou (Coι	rse guidance urse progress	method, learning	method, etc.)	Under	stand cou	rse content and assignments.
		2nd	Cha	pter 5 Part 1/2	2		Learn lesson	the vocat tasks.	oulary and grammar rules set as
		3rd	Cha	pter 5 Part 2/3	3		Learn lesson	the vocat tasks.	oulary and grammar rules set as
2nd Semeste	3rd	4th	Cha	pter 5 Part 3/4	4		Learn lesson	the vocat tasks.	oulary and grammar rules set as
r	Quarter	5th	End	-of-chapter Qu	uestions		Learn lesson	the vocat tasks.	oulary and grammar rules set as
		6th	Cha	pter 6 Part 1/2	2		Learn lesson	the vocat tasks.	oulary and grammar rules set as
		7th	Cha	pter 6 Part 2/3	3		Learn lesson	the vocat tasks.	oulary and grammar rules set as
8th Mid-term exam					Test the student understanding of the content learned so far.				

		9th	R C	eturn and explain hapter 6 Part 3/4	n mid-term exa 1	m	To overcome wea	ak points		
		10th	CE	hapter 6 Part 4 nd-of-chapter Qu	lestions		Learn the vocabulary and grammar rules set as lesson tasks.			
		11th	С	hapter 7 Part 1/2	2		Learn the vocabulary and grammar rules set as lesson tasks.			
	4th	12th	С	hapter 7 Part 2/3	3		Learn the vocabulary and grammar rules set as lesson tasks.			
	Quarte	r 13th	С	hapter 7 Part 3/4	1		Learn the vocabulary and grammar rules set as lesson tasks.			
		14th	E	nd-of-chapter Qı	lestions		Learn the vocabulary and grammar rules set as lesson tasks.			
		15th	С	hapter 7 Part 1/2	2		Learn the vocabu lesson tasks.	Ilary and gramma	ar rules set as	
		16th	Fi	inal exam			Test the student learned so far.	understanding of	f the content	
Evaluat	ion Me	thod and	W	eight (%)						
		Examinatio	۱	Assignments	Quizes	Behavior	Portfolio	Other	Total	
Subtotal		50		30	20	0	0	0	100	
Basic Proficienc	:y	50		30	20	0	0	0	100	
Specialized Proficiency 0		0		0	0	0	0	0	0	
Cross Area Proficiency 0			0	0	0	0	0	0		

А	kashi Co	ollege	Year	2024		Course Title	English II B-1	
Course	Informa	tion						
Course Co	ode	6217			Course Categor	/ General	/ Compulsory	
Class Form	mat	Lecture			Credits	School C	Credit: 1	
Departme	ent	Mechanic	al Engineering		Student Grade	2nd		
Term		First Sem	ester		Classes per Wee	ek 2		
Textbook Teaching	and/or Materials	(1) 総合 英単語熟調 Evergree	英語EvergreenJur E DataBase 4500 n (参考書、教科語	np! Stage (いいす (桐原書店)、(4) N 書、Workbook、Es	[*] な書店)(2) 精選 lext Stage 英文法 sentials)	演習英文法・語注 ・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	Objectiv	es						
(1) Organ (2) Devel (3) Under	ize the ele op commu stand Eng	ements of gr inication skil lish syntax,	ammar learned i ls in English by p grammar, and ve	n the first year, au racticing oral com ocabulary correctly	nd retain their kn Imunication using y.	owledge. I the grammati	cal elements.	
Rubric								
			Ideal Level		Standard Level		Unacceptable Level	
Achievement 1			Organize the e grammar learn year, and retai knowledge.	lements of ed in the first n their	Organize the ele grammar learne year, and retain knowledge.	ements of ed in the first their	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	unication skills in cticing oral o using the ammar.	Develop commu English by pract communication elements of gra	inication skills i icing oral using the mmar.	n Develop communication skills in English by practicing oral communication using the elements of grammar.	
Achievem	chievement 3 Chievement 3 Chievement 3 Correctly.				Understand Eng grammar, and v correctly.	lish syntax, ocabulary	Understand English syntax, grammar, and vocabulary correctly.	
Assigne	Assigned Department Objectives						· · ·	
Teachin	a Metho	d						
Outline The course aims at retaining the elements of English grammar necessary for the practical use of the language, and developing communication skills. With keeping vocabulary building also in mind, the class v help improve students' English proficiency.							or the practical use of the uilding also in mind, the class will	
Style There will be vocabulary tests. The class will use two textbooks to check what they hav will complete practice problems to check their understanding of grammar, and practice						nat they have learned. Students and practice them orally.		
Notice		Sleeping students' They mus	or using mobile p classroom attitu st complete and s who miss 1/4 or	phones during clas de grade being de submit all the assi more of classes y	s, forgetting to b ducted. Students gnments on time will not be eligible	ring things to must pre-stud	class, etc. will result in points from ly for and review each lesson.	
Charact	eristics (of Class /	Division in Le	arning	in not be engible			
☑ Active	Learning		Aided by IC	T	Applicable to	Instructor Professionally Experienced		
			-		•			
Course	Plan	,						
		1	heme		(Goals		
		1st C	Course outline		1	Understand how the assignment	w the classes will be taught and is for the year.	
		2nd S	Sentences, Verbs			Understand the cultures of English-speaking countries correctly.		
		3rd ۱	/ervs, Tenses			_earn the voca esson tasks.	oulary and grammar rules set as	
	1 ct	4th A	Auxiliary verbs			_earn the voca esson tasks.	oulary and grammar rules set as	
	Quarter	5th F	assive voice			_earn the voca esson tasks.	oulary and grammar rules set as	
		6th I	nfinitives			_earn the voca esson tasks.	oulary and grammar rules set as	
1st Semeste		7th F	Review & Exerciso peaking countrie	e on the cultures o s	of English-	Understand the countries corre	cultures of English-speaking ctly.	
		8th M	Midterm exam			Reflect on the on the on the one of the one	content learned so far, and can priately.	
		9th C	th Gerunds			_earn the vocal esson tasks.	oulary and grammar rules set as	
		10th F	Particles		1	earn the voca esson tasks.	oulary and grammar rules set as	
	2nd Quarter	11th (Comparison			_earn the voca esson tasks.	oulary and grammar rules set as	
		12th F	Relatives			_earn the voca esson tasks.	oulary and grammar rules set as	
		13th 9	Subjective mood			Learn the vocabulary and grammar rules set as lesson tasks.		

		14th	Interrogatives			Learn the vocabulary and grammar rules set as lesson tasks.			
		15th	Q&A for the first s	semester final exa	ım	Resolve any questions students may have on the content covered on the exam, and understand it correctly.			
		16th	Final exam			Reflect on the content learned so far, and can handle it appropriately.			
Evaluation Method and Weight (%)									
	1	Examination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total	
Subtotal	!	50	0	0	0	0	50	100	
Basic Proficiency	y !	50	0	0	0	0	50	100	
Specialize Proficiency	d y	0	0	0	0	0	0	0	
Cross Area Proficiency	a y	0	0	0	0	0	0	0	

A	kashi Co	ollege	Year	2024		Course Title	English II B-2				
Course	Informa	tion									
Course Co	ode	6218			Course Categor	y General	/ Compulsory				
Class Forr	mat	Lecture			Credits	School (Credit: 1				
Departme	ent	Mechanica	Engineering		Student Grade	2nd					
Term		Second Se	mester		Classes per We	ek 2					
Textbook Teaching	and/or Materials	(1) 総合英 英単語熟語 Evergreen	語EvergreenJun DataBase 4500 (参考書、教科書	np! Stage (いいす) (桐原書店)、(4) N 書、Workbook、Es	[*] な書店)(2) 精選 lext Stage 英文派 sentials)	経済習英文法・語法問題800(いいずな書店)(3) 完成 法・語法問題 4th edition (桐原書店)、(5) 総合英語					
Instructor	r	KITAGAWA	Chiho								
Course	Objectiv	es									
(1) Organ (2) Devel (3) Under	nize the ele op commu rstand Eng	ements of gra inication skills lish syntax, g	mmar learned i in English by p rammar, and ve	n the first year, ar racticing oral com ocabulary correctly	nd retain their kr imunication using y.	nowledge. g the grammat	ical elements.				
Rubric											
			Ideal Level		Standard Level		Unacceptable Level				
Achievement 1			Organize the e grammar learn year, and retai knowledge.	lements of ed in the first n their	Organize the el- grammar learne year, and retain knowledge.	ements of ed in the first n their	Organize the elements of grammar learned in the first year, and retain their knowledge.				
Achievement 2			Develop comm English by prac communication elements of gra	unication skills in cticing oral o using the ammar.	Develop commu English by prac communication elements of gra	unication skills ticing oral using the Immar.	in Develop communication skills in English by practicing oral communication using the elements of grammar.				
Achievement 3			Understand En grammar, and correctly.	glish syntax, vocabulary	Understand Eng grammar, and correctly.	glish syntax, vocabulary	Understand English syntax, grammar, and vocabulary correctly.				
Assigned Department Objectives											
Teachin	a Metho	d									
Outline The course aims at retaining the elements of English grammar necessary for the practical use of the language, and developing communication skills. With keeping vocabulary building also in mind, the class being improve students' English proficiency.							or the practical use of the uilding also in mind, the class will				
Style There will be vocabulary tests. The class will use two textbooks to check what they have learned. Students will complete practice problems to check their understanding of grammar, and practice them orally.						hat they have learned. Students and practice them orally.					
Notice		Sleeping o students' o They must	r using mobile p lassroom attitu complete and s /ho miss 1/4 or	phones during clas de grade being de submit all the assi more of classes y	s, forgetting to l ducted. Student gnments on time vill not be eligible	pring things to s must pre-stu- e. e for a passing	class, etc. will result in points from dy for and review each lesson. grade				
Charact	eristics	of Class / F	ivision in Le	arning			<u></u>				
☑ Active	Learning		Aided by ICT Applicable to Remote Class Instructor Professionally Experienced								
Course	Plan										
		Tł	ieme			Goals					
		1st Or	ientation/Exerce eaking countrie	ise on the culture s AdverbsVerbs	s of English-	Understand the countries corre	e cultures of English-speaking				
		2nd In	terrogatives and	d Interrogative se	ntences	Learn the voca lesson tasks.	bulary and grammar rules set as				
		3rd Ne	egation, Direct/	Indirect Speech		Learn the voca lesson tasks.	bulary and grammar rules set as				
	3rd	4th No	ominal Structure	es/Inanimate Subj	ject	Learn the voca lesson tasks.	bulary and grammar rules set as				
	Quarter	5th In	version, Ellipsis	, Emphasis, Paren	ithesis	Learn the voca lesson tasks.	bulary and grammar rules set as				
		6th Pr	onouns			Learn the voca lesson tasks.	bulary and grammar rules set as				
2nd Semeste		7th Ex	ercise on the co untries	ultures of English-	speaking	Understand the countries corre	e cultures of English-speaking ctly.				
r		8th Re	eview			Review					
	9th PronounsNouns, Articles			Learn the voca lesson tasks.	bulary and grammar rules set as						
	10th Adjectives			Learn the voca lesson tasks.	bulary and grammar rules set as						
	4th 1	11th Ad	lverbs			Learn the voca lesson tasks.	bulary and grammar rules set as				
	Quarter	12th Pr	epositions			Learn the voca lesson tasks.	bulary and grammar rules set as				
	1	13th Co	onjunctions			Learn the voca lesson tasks.	bulary and grammar rules set as				
		14th Di	alogues, Vocab	ruaries		Learn the vocabulary and grammar rules set as lesson tasks.					
			15th	Q&A	Q&A for the second semester final exam			Resolve any questions students may have on the content covered on the exam, and understand it correctly.			
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			16th	Final	exam			Reflect on the content learned so far, and can handle it appropriately.			
Evaluati	on M	etho	od and V	Veigl	ht (%)						
		Examination Presentation Mutual Evaluations between students Behavior		Behavior	Portfolio	Other	Total				
Subtotal		50		0		0	0	0	50	100	
Basic Proficienc	У	50		0		0	0	0	50	100	
Specialize Proficienc	d Y	0		0		0	0	0	0	0	
Cross Are Proficienc	a y	0		0		0	0	0	0	0	

Akashi College		Year		2024		C	ourse Title	Co+work I A	
Course	Informa	tion	1		•				
Course Co	ode	6219				Course Catego	ry	General /	' Compulsory
Class For	mat	Seminar				Credits		School C	redit: 1
Departme	ent	Mechanic	al Engineering	g		Student Grade		2nd	
Term		First Sen	nester			Classes per We	eek	2	
Textbook Teaching	and/or Materials	No requi	red textbook a	and	the required mate	erial will change	accord	ling to the	contents of the activity of each
Instructor	r	All facult	y						
Course	Objectiv	es							
1) Self-re 2) Co-ope 3) Creativ	eliance: To eration skil ve Skills: T	acquire ind ls: To gain o acquire th	ividuality and the ability to v ne ability to ga	self vorl athe	-management abi (in teams and res r and organize inf	lity spect the teamn ormation, disco	nates. ver and	l propose	solutions to problems.
Rubric			- 1						
			Ideal Level			Standard Leve			Unacceptable Level
1 Self-reliance		Schedule m reporting, c planning go teammates	ana cont oals	gement, act, consultation, with the	Individually able to schedule management, reporting, contact, consultation, planning goals.		hedule ng, planning	Not able to schedule management, reporting, contact, consultation, and planning goals	
2 Co-operation skills		Open to diff to express to opinion, and team into a	fere the d at cor	nt opinions, able student personal bility to lead the nsensus.	Open to different to express the opinion, and al attributed role	ent opir studen pility to in the	nions, able t persona play the team.	Not open to different opinions, not able to express the student personal opinion, and can't to play the attributed role in the team.	
3 Creative Skills			The student gather infor and summa information explain those	t ca rma arize , fo se io	n voluntarily tion, organize this rm ideas and deas to others.	The student ca gather informa and summarize information, ar ideas to others	n volur tion, or this nd expl	ntarily rganize ain those	The student can't voluntarily gather information, can't organize and summarize this information, and can't explain those ideas to others.
Assigned Department Ob			jectives						
Teachin	ig Metho	d							
Outline		This cour student of departme charge a someone will revis	rse aims to de can contribute ents, different nd challenge t other than th e their plan af	to age then ter	op the students' se a team in a variet e, and people from nselves in creating am members. Ea its presentation al	elf-reliance, co-o y of environmer n outside the sc g something or ch team has to t a briefing sess	operation nts (wo hool). If perform elabora ion and	on and creating with Each grou n activities ate a plan d retrospe	Pative skills in a manner that the a students from other p is to work with the instructor in s that will bring happiness to and do its activities. The students ctive evaluation.
Style		2nd,3rd, group wi breaks a and disco toward a of self-re teacher i individua performa and set t	and 4th academic year students from all four departments are randomly selected to compose a th multiple students. After each student introduces themselves to the team, they will perform ice nd other activities that will help to build relationships within the group. Later the team will discuss over a problem to work with, make plans, divide roles among the members and work together solution to the problem. Through working to solve this problem the students will achieve the goals charge of the team. Based on the course rubric distributed in class each student has to establish al goals. The course rubric is used to self-evaluation, mutual evaluation, and to evaluate the ance of each student. Every week at the end of the lesson, the student has to fill a retrospective sheet he next goal.						
Notice		The grad evaluatio the end o Students	ing system of on by the teach of the term (2 who miss 1/4	the her). 1 or	course is composin charge of the te more of classes w	sed on the self-e eam (1), and m vill not be eligibl	evaluat ultiple e for e	ion by stu faculty me valuation.	dents, mutual evaluation, embers at the briefing session at
Charact	eristics of	of Class /	Division in	Le	arning	1			
🛛 Active	Learning		☑ Aided by	/ IC	Т	Applicable t	o Remo	ote Class	 Instructor Professionally Experienced
Course	Plan	,							
			Theme				Goals		
1st Semeste r 2		1st	Course overall members of e confirmation c advice regardi evaluation me team and the together on te	l gu ach of co ing tho tea eam	idance, presentati team, team build purse schedule, re the activities, expl d. Later team mer cher in charge me building.	on of the ing guidance, strictions and lanation of the mbers and the et and work	To acc Creati	quire Self- ve Skills.	reliance, Co-operation and
		2nd	Each student s goals. The tea the activities. goal, the grou method, divisi and schedule, action plan.	set Late p w on o wh	the activity target vill discuss ideas a er according to the ill work on the im of roles among the ich will be summa	s, and self- and a theme to e team activity plementation e members prized in an	To acc Creati	quire Self- ve Skills.	reliance, Co-operation and
		3rd	Each student s goals. The tea the activities. goal, the grou method, divisi and schedule, action plan.	set Late p w on o wh	the activity target vill discuss ideas a er according to the ill work on the im of roles among the ich will be summa	s, and self- and a theme to e team activity plementation e members prized in an	To acc Creati	quire Self- ve Skills.	reliance, Co-operation and

		4th	Each student set t goals. The team w the activities. Late goal, the group wi method, division o and schedule, which action plan.	he activity target vill discuss ideas a r according to the ll work on the im f roles among the ch will be summa	s, and self- and a theme to e team activity plementation e members arized in an	To acquire Self-re Creative Skills.	eliance, Co-opera	ation and		
		5th	Setting targets and action plan. Accord the team, the grou them. The group v decide the method role sharing, sched	d planning activit ding to the theme up will draw ideas will establish the a l to achieve it, de dule, and summa	ies, submit the e and goals of and discuss activity goal, cide members' rize in a plan.	To acquire Self-re Creative Skills.	eliance, Co-opera	ition and		
		6th	Team activities: W plan. The action pl according to schec of the implementa	/ork according to lan may be modif lule delay, the ind tion method, etc.	the action fied/changed, completeness	To acquire Self-reliance, Co-operation and Creative Skills.				
		7th	Team activities: W plan.	ork according to	the action	To acquire Self-re Creative Skills.	eliance, Co-opera	ation and		
		8th	No mid-term Exam	n						
		9th	Team activities: W plan. The action pl according to schec of the implementa the briefing session	fork according to lan may be modif dule delay, the ind tion method, etc. n.	the action fied/changed, completeness . Prepare to	To acquire Self-re Creative Skills.	eliance, Co-opera	ation and		
		10th	Team activities: W plan. The action pl according to schec of the implementa the briefing session	/ork according to lan may be modil lule delay, the ind tion method, etc. n.	the action fied/changed, completeness . Prepare to	To acquire Self-re Creative Skills.	eliance, Co-opera	ation and		
	11th		Team activities: W plan. The action pl according to schec of the implementa the briefing session	/ork according to lan may be modif dule delay, the ind tion method, etc. n.	the action fied/changed, completeness . Prepare to	To acquire Self-re Creative Skills.	eliance, Co-opera	ation and		
	2nd Quarter	12th	Team activities: Work according to the action plan. The action plan may be modified/changed, according to schedule delay, the incompleteness of the implementation method, etc. Prepare to the briefing session.			To acquire Self-re Creative Skills.	eliance, Co-operation and eliance, Co-operation and			
		13th	Briefing session: R and listen to repor	eport the activitions from other gro	es of the team oups.	To acquire Self-re Creative Skills.	eliance, Co-opera	ation and		
		14th	Retrospective mee The group will disc briefing session an The students will e mutually their ach regarding self-relia creativity.	ting and summa cuss the results fr d review the tea evaluate individua ieved points and ance, co-operatio	ry of activities: rom the m action plan. ally and goals, n, and	To acquire Self-reliance, Co-operation and Creative Skills.		ation and		
		15th	Retrospective mee The group will disc briefing session an The students will e mutually their ach regarding self-relia creativity.	ting and summa cuss the results fr d review the tea evaluate individua ieved points and ance, co-operatio	ting and summary of activities: uss the results from the d review the team action plan. valuate individually and eved points and goals, nce, co-operation, and		eliance, Co-opera	ation and		
	16th I		No end-term Exam	n						
Evaluat	ion Me	thod and V	Veight (%)	1	1		1			
		ndividual elf-reliance process)	Individual Co-operation (process)	Individual Creativity (process)	Team Co- operation (process)	Team Creativity (process)	Other	Total		
Subtotal	2	4	24	12	20	20	0	100		
Basic Proficienc	y O	1	0	0	0	0 0		0		
Specialize Proficienc	cialized 0 0 0 0 0		0	0	0					
Cross Are Proficienc	a 2	24 24 12 20 20 0		100						

Akashi College			Year	2024		C	Course Title C o + w o r k I B		
Course	Informa	tion							
Course Co	ode	6220				Course Catego	ry	General /	Compulsory
Class For	mat	Seminar				Credits		School C	redit: 1
Departme	ent	Mechani	cal E	Ingineering		Student Grade		2nd	
Term		Second S	Seme	ester		Classes per We	eek	2	
Textbook Teaching	and/or Materials	No requi team.	ired t	textbook and	the required mate	erial will change	accord	ling to the	e contents of the activity of each
Instructor	r	All facult	.y						
Course	Objectiv	es							
1) Self-re 2) Co-ope 3) Creativ	eliance: To eration skil ve Skills: T	acquire inc ls: To gain o acquire t	lividu the a he al	uality and self- ability to work bility to gathe	-management abi in teams and res r and organize inf	lity spect the teamn ormation, disco	nates. ver and	d propose	solutions to problems.
Rubric						1			
			Ic	deal Level		Standard Leve	l		Unacceptable Level
1 Self-reliance		So re pl te	chedule mana eporting, conta lanning goals eammates	gement, act, consultation, with the	Individually able to schedule management, reporting, contact, consultation, planning goals.		chedule ng, , planning	Not able to schedule management, reporting, contact, consultation, and planning goals	
2 Co-operation skills		O tc oj te	pen to different express the s pinion, and ab eam into a cor	nt opinions, able student personal ility to lead the isensus.	Open to different to express the opinion, and al attributed role	ent opin studer bility to in the	nions, able t persona play the team.	Not open to different opinions, not able to express the student personal opinion, and can't to play the attributed role in the team.	
3 Creative Skills			TI ga ar in ex	he student can ather informat nd summarize nformation, for xplain those ic	n voluntarily tion, organize this m ideas and leas to others.	The student ca gather informa and summarize information, an ideas to others	in volu ition, o e this nd expl s.	ntarily rganize ain those	The student can't voluntarily gather information, can't organize and summarize this information, and can't explain those ideas to others.
Assigned Department Ob			ojec	tives					
Teachin	ig Metho	d							
Outline		This cou student departm charge a someone will revis	rse a can o lents and c e oth se th	aims to develo contribute to a s, different age challenge them her than the te eir plan after i	p the students' se a team in a variet and people from selves in creating am members. Ea its presentation at	elf-reliance, co- y of environmer n outside the sc g something or ich team has to t a briefing sess	operati nts (wo hool). perforr elabor ion and	on and cre orking with Each grou n activities ate a plan d retrospe	eative skills in a manner that the a students from other p is to work with the instructor in s that will bring happiness to and do its activities. The students ctive evaluation.
Style		2nd,3rd, group w breaks a and disc toward a of self-re teacher individua perform and set	, and ith m over a solu eliance in ch al goo ance the r	th multiple students. After each student introduces themselves to the team, they will perform ice nd other activities that will help to build relationships within the group. Later the team will discuss over a problem to work with, make plans, divide roles among the members and work together solution to the problem. Through working to solve this problem the students will achieve the goals liance, co-operation, and creativity. After the course start, make sure that you can contact the n charge of the team. Based on the course rubric distributed in class each student has to establish ance of each student. Every week at the end of the lesson, the student has to fill a retrospective shee the next goal.					
Notice		The grad evaluation the end Students	ding on by of th s who	system of the y the teacher i ne term (2). o miss 1/4 or	course is compos in charge of the te more of classes w	sed on the self-e eam (1), and m vill not be eligib	evaluat ultiple le for e	ion by stu faculty me valuation.	dents, mutual evaluation, embers at the briefing session at
Charact	eristics of	of Class /	΄ Div	vision in Lea	arning				
☑ Active	Learning		V	Aided by IC	г	☑ Applicable t	o Rem	ote Class	Instructor Professionally Experienced
Course	Plan								
			Ther	me			Goals		
2nd Semeste r 3rd Quarter 3		1st	Cour men conf advi eval tean toge	rse overall gui nbers of each firmation of co ice regarding t luation methoo n and the teac ether on team	dance, presentati team, team build urse schedule, re the activities, expl 1. Later team mer cher in charge me building.	ion of the ing guidance, strictions and lanation of the mbers and the set and work	To ac Creat	quire Self- ve Skills.	reliance, Co-operation and
		2nd	Each goal the a goal met and actio	n student set t ls. The team v activities. Late l, the group w hod, division o schedule, whi on plan.	the activity target vill discuss ideas a er according to the ill work on the im of roles among the ich will be summa	s, and self- and a theme to e team activity plementation e members arized in an	To aco Creati	quire Self- ve Skills.	reliance, Co-operation and
		3rd	Each goal the a goal met and actic	n student set t ls. The team w activities. Late l, the group w hod, division o schedule, whi on plan.	the activity target will discuss ideas a er according to the ill work on the im of roles among the ich will be summa	s, and self- and a theme to e team activity plementation e members arized in an	To ac Creati	To acquire Self-reliance, Co-operation and Creative Skills.	

		4th	Each student set t goals. The team w the activities. Late goal, the group wi method, division o and schedule, whi action plan.	he activity target ill discuss ideas a r according to th Il work on the im f roles among th ch will be summa	s, and self- and a theme to e team activity plementation e members prized in an	To acquire Self-re Creative Skills.	eliance, Co-opera	ation and	
		5th	Setting targets and action plan. Accord the team, the grou them. The group v decide the method role sharing, sched	d planning activit ding to the theme up will draw ideas vill establish the a l to achieve it, de dule, and summa	ies, submit the e and goals of and discuss activity goal, cide members' rize in a plan.	To acquire Self-re Creative Skills.	eliance, Co-opera	ition and	
		6th	Team activities: W plan. The action pl according to schec of the implementa	ork according to an may be modif lule delay, the ind tion method, etc.	the action fied/changed, completeness	To acquire Self-reliance, Co-operation and Creative Skills.			
		7th	Team activities: W plan.	ork according to	the action	To acquire Self-re Creative Skills.	eliance, Co-opera	ation and	
		8th	No mid-term Exam	1					
		9th	Team activities: W plan. The action pl according to scheo of the implementa the briefing session	fork according to an may be modifule delay, the ind tion method, etc. n.	the action fied/changed, completeness . Prepare to	To acquire Self-re Creative Skills.	eliance, Co-opera	ation and	
		10th	Team activities: W plan. The action pl according to scheo of the implementa the briefing session	fork according to an may be modif lule delay, the ind tion method, etc. n.	the action fied/changed, completeness Prepare to	To acquire Self-re Creative Skills.	eliance, Co-opera	ation and	
	11th		Team activities: W plan. The action pl according to schec of the implementa the briefing session	ork according to an may be modif lule delay, the ind tion method, etc. n.	the action fied/changed, completeness Prepare to	To acquire Self-re Creative Skills.	eliance, Co-opera	ation and	
	4th Quartei	12th	Team activities: Work according to the action plan. The action plan may be modified/changed, according to schedule delay, the incompleteness of the implementation method, etc. Prepare to the briefing session.			To acquire Self-re Creative Skills.	liance, Co-operation and liance, Co-operation and		
		13th	Briefing session: R and listen to repor	eport the activitions from other gro	es of the team oups.	To acquire Self-re Creative Skills.	eliance, Co-opera	ation and	
		14th	Retrospective mee The group will disc briefing session an The students will e mutually their ach regarding self-relia creativity.	ting and summar cuss the results fr id review the tear evaluate individua ieved points and ance, co-operatio	ry of activities: rom the m action plan. ally and goals, n, and	To acquire Self-reliance, Co-operation and Creative Skills.		ation and	
		15th	Retrospective mee The group will disc briefing session an The students will e mutually their ach regarding self-relia creativity.	ting and summa cuss the results fr d review the tea evaluate individua ieved points and ance, co-operatio	ry of activities: rom the m action plan. ally and goals, n, and	To acquire Self-re Creative Skills.	eliance, Co-opera	ation and	
	16th M		No end-term Exam	า					
Evaluat	ion Me	thod and V	Veight (%)	1	1		1		
	I S	ndividual Self-reliance process)	Individual Co-operation (process)	Individual Creativity (process)	Team Co- operation (process)	Team Creativity (process)	Other	Total	
Subtotal	2	24	24	12	20	20	0	100	
Basic Proficienc	y C)	0	0	0	0 0		0	
Specialize Proficienc	cialized 0 0 0 0		0	0	0				
Cross Area Proficiency 24 24 12 20		20	20	0	100				

Δ	kashi Co	ollege		Year	2024		Cours Title	e	ICT Qualification I	
Course	Informa	tion								
Course Co	ode	6221				Course Category	/ Gene	eral	/ Elective	
Class For	mat	その他				Credits	Scho	ol C	Credit: 1	
Departme	ent	Mechan	ical E	ngineering		Student Grade	2nd	2nd		
Term		Year-ro	und			Classes per Wee	ek 1			
Textbook Teaching	and/or Materials	Nothing					•			
Instructor	r	TAKEUC	CHI M	asahiro						
Course	Objectiv	es								
The goal following IT Passpo	is to pass qualifying ort Exam.	certification examination	n exa ons is	ms of extern s eligible for c	al organizations re redit.Evaluation w	elated to informat vill be on a pass/f	ion process ail basis an	sing d w	Successful completion of the ill not be based on scores.	
Rubric							Unar		table Level	
Achievem	ent 1			Pas	s the IT Passnort	exam	Not i	nase	s the IT Passport exam	
Acciano	d Donar	tmont O	bioc	tivoc		cxum.	INOU	545.		
Assigned Department Objectives										
Outline	J	As a res	sult of	f learning in t	he field of informa	ation engineering	, this cours	e is	positioned as a course that grants	
Outline		credits a	accor	ding to the re	esults of qualificat	ion examinations	sponsored	by e	external organizations.	
Style I his is an independent study for the certification examination, and no lectures are given. Pay attention Style following WEB sites for further study. https://www3.jitec.ipa.go.jp/JitesCbt/index.html								res are given.Pay attention to the		
Notice	A certificate or other proof of acceptance is required to receive credit.Applications must be submitted b designated date after the winter break.If the student is unable to submit proof within this time frame, to credit will not be granted.								cations must be submitted by the oof within this time frame, the	
Charact	eristics	of Class	/ Div	ision in Le	arning					
Active	Learning			Aided by I	Т	Applicable to	Remote C	lass	Instructor Professionally Experienced	
						1				
Course	Plan									
			Ther	ne		(Goals			
		1st	Inde	ependent stud	dy	(Goals of eac	ch		
		2nd	Sam	ie as above			Same as ab	ove		
		3rd	Same as above			9	Same as ab	ove	1	
	1st	4th	Same as above				Same as ab	ove	1	
	Quarter	5th	Same as above			9	Same as ab	ove		
		6th	Sam	e as above			Same as ab	ove		
1.05		7th	Sam	e as above		<u> </u>	Same as above			
Semeste		8th	Sam	ie as above			Same as above			
r		9th	Sam	ie as above			Same as above			
		10th	Sam	e as above			Same as above			
		11th	Sam	ie as above			Same as above			
	2nd	12th	Sam	e as above			same as ab	ove		
	Quarter	1.4+h	Sam					ove		
		15+6	Sam				Same as ab	ove		
		15th	Sam				Samo as ab			
		1 ct	Sam				Samo as ab			
		2nd	Sam	e as above			Same as ab			
		3rd	Sam	le as above			Same as ab			
	ard	4th	Sam	le as above			Same as ab			
	Quarter	5th	Sam	le as above			Same as ab	ove		
		6th	Sam	e as above			Same as ab	ove		
		7th	Sam	e as above		9	Same as ab	ove		
2nd		8th	Sam	e as above		c.	Same as ab	ove		
Semeste		9th	Sam	e as above		c.	Same as ab	ove		
ľ		10th	Sam	e as above			Same as ab	ove	1	
		11th	Sam	e as above			Sam <u>e a</u> s ab	ove		
	4th	12th	Sam	e as above			Same as ab	ove		
	Quarter	13th	Sam	e as above		9	Same as above			
Quarte		14th	Sam	e as above		9	Same as above			
		15th	Sam	e as above			Same as ab	ove	9	
		16th	Sam	e as above		9	Same as ab	ove		

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			

Akashi College		Year	2024		Cou Tit	Urse Mathematics Certification				
Course	Informa	tion								
Course Co	ode	6222			Course Catego	ry Ge	eneral ,	/ Elective		
Class Form	mat	その他			Credits	So	chool C	redit: 1		
Departme	ent	Mechanica	I Engineering		Student Grade	2r	nd			
Term		Year-rour	d		Classes per We	ek 1				
Textbook Teaching	and/or Materials	None								
Instructor	·	OMODA Y	asuhiro							
Course	Objectiv	es								
he goal is If you pas Practical I The evalu	to pass a ss any of t Mathemati ation shal	qualifying ex he following cs Proficienc I be 100 in c	amination by ar qualifications, yo 7 Test: Level 2 ase of passing.	n external organiza ou will be eligible f	ation with conter for credit recogn	nt related ition.	l to ma	thematics.		
Rubric			I		1					
			Ideal Level		Standard Level					
Achievem	ient 1		Practical Mathe Proficiency Tes	ematics t: Pass Level 2.	Practical Mathe Proficiency Tes	matics t: Pass Le	evel 2.	Practical Mathematics Proficiency Test: Fail to pass Level 2.		
Assigne	d Depar	tment Obj	ectives							
Teachin	g Metho	d								
Outline As a result of learning in the field of mathematics, it is positioned as a subject that gives credits according the results of qualification examinations sponsored by external organizations. If you pass one of the designated external qualification exams and complete the prescribed procedures by the deadline designated by the Educational Affairs Section of the Student Affairs Division, you will be awarded one credit.								ect that gives credits according to s. If you pass one of the dures by the deadline designated a awarded one credit.		
Style		This is sel	f-study for the c	ualification exam,	and no lectures	are give	n.			
Notice	tice Certificates of passing the examinations taken in the 1st and 2nd grades or certificates of passing the examinations taken in the first and second years are required for credit transfer. Credits will not be granted proof is not submitted within this period. Strictly observe the deadline. Absence conditions (percentage) that are not considered for passing No condition									
Charact	eristics of	of Class /	<u>Division in Le</u>	arning	1					
Active	Learning		□ Aided by IC	СТ	□ Applicable t	o Remote	e Class	 Instructor Professionally Experienced 		
Course	Plan									
		T	heme			Goals				
		1st S	elf-directed lear	ning		Voluntar lectures)	y study	for qualification exams (no		
		2nd s	ame as above			same as	above			
	1 of	3rd s	ame as above			same as	above			
	Quarter	4th s	ame as above			same as	ame as above			
		Stn s	ame as above			same as above				
		otn s	ame as above			same as	as above			
1st		7th S	ame as above			same as	e as above			
Semeste		Oth c	ame as above			same as	<u>ne as above</u>			
		901 S	ame as above			same as	1e as above			
		10th S	ame as above				above			
	2	12th c	ame as above			same as	above			
	Ouarter	13th s	ame as above			same as	above			
		14th s	ame as above			same as	above			
		15th s	ame as above			same as	above			
		16th N	o final exam			Sume us	above			
		1st S	elf-directed lear	ning		Voluntar	y study	for qualification exams (no		
		2nd s	ame as above			same as	above			
		3rd s	ame as above			same as	above			
	3rd	4th s	ame as above			same as	above			
	Quarter	5th s	ame as above			same as	above			
2nd		6th s	ame as above			same as	above			
Semeste		7th s	ame as above			same as	above			
'		8th s	ame as above			same as	above			
		9th s	ame as above			same as	above			
		10th s	ame as above			same as	above			
4	4th Quarter	11th s	ame as above			same as above				
Quarter		12th s	ame as above			same as	above			
		13th s	ame as above			same as above				

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

A	kashi Co	ollege	Year	2024		Cc T	ourse Title	Japanese II-1
Course	Informat	tion						
Course Co	ode	6223			Course Categor	ry (General ,	/ Compulsory
Class Forr	nat	Lecture			Credits		School C	redit: 2
Departme	ent	Mechanica	l Engineering		Student Grade	:	2nd	
Term		First Sem	ester		Classes per We	eki	前期:4	
Textbook	and/or Materials	QUARTET	: Intermediate Ja Times	apanese Across th	ne Four Languag	e Skills	II, The J	apan Times by Tadashi Sakamoto,
Instructor			kumi					
Course	Ohiectiv	 es						
1. Can us	e Japanese	e to explain a	particular thing	in detail and logi	cally explain the	ir feelin	as and th	houghts, from familiar topics to a
wide rang 2. Can rea 3. Have a native lan	le of topics ad a signifi clear und guage. Ca	icant amoun erstanding o n also then t	of texts on a w the strengths a hink of the prop	ide range of topic nd weaknesses of er solutions to cha	s and comprehe f their own Japai allenges on their	nd its in nese ab own ar	formatio ility and nd put th	n. skills and can explain them in their em into action.
Rubric								
			Ideal Level		Standard Level			Unacceptable Level
Achievement 1			Can appropriat words learned and speak clea sentences and	ely select the so far, and write r and logical texts without	Can appropriat words learned and speak clear sentences and	ely seleo so far, a r and lo texts wi	ct the and write gical ith hints	Cannot appropriately select the words learned so far, and cannot write or speak clear and logical sentences or texts
			hints or assista	nce.	or assistance.			
Achievement 2			based on the p reading it, and understand its	w to read a text urpose for generally content.	Can read a text and assistance understand its	t based and ger content	on hints herally	Cannot read a text in various ways, and can barely understand its content.
Achievement 3			Can figure out think of solutio into action.	their challenges, ns, and put them	Can figure out and think of so	their ch lutions.	allenges	Even if they can figure out their challenges, they cannot think of a solution.
Assigne	d Depar	tment Obj	ectives					
Teachin	g Metho	d						
Outline		Students addition to develop s	will study lower i o reading a signi kills to convey w	intermediate Japa ficant amount of t hat they want to o	nese to upper in texts to gain dee convey through	termed per unc product	iate Japa lerstandi ion activ	nese throughout the year. In ng of their content, they will also ities.
Style		By reading strategies people an	g in Japanese on for communicat d situations.	a variety of topic ing in Japanese. I	s, students will o t's also importar	enhance nt to be	e their Ja able to ι	panese ability and skills, and learn use different words for different
Notice		Students lesson, st improving Students	need to be able t udents will be ex their Japanese a who miss 1/4 or	to not only acquire pected to reflect of ability and skills. more of classes v	e linguistic know on what they co vill not be eligibl	ledge, b uld and e for ev	out also t could no aluation.	to use them properly. For every It do, and to be proactive in
Charact	eristics o	of Class /	Division in Le	arning				
	Learning		□ Aided by ICT			o Remo	te Class	Instructor Professionally
	Learning							Experienced
6								
Course	Plan							
			neme			Goals	tand tha	along phiosticon and contant
		2nd "	QUARTET1" Ch.	6		Unders Also, u	tand the nderstan	author's claim and the reason. d the expressions when
		3rd "	QUARTET1" Ch.	6		Can wr problen	ite a lette ns.	er to the editor about familiar
	1st	4th "	QUARTET1" Ch.	6		Can ma apologi other p	ake comp ze so tha erson.	plaints, make excuses and at you don't get in trouble with the
	Quarter 5th "QUARTE		QUARTET1" Ch.	7		Can rea underst learned	ad other tand the I or felt f	people's experiences to contents and write what you have rom your own experiences.
1st Semeste		6th "	QUARTET1" Ch.	7		Can coi other p	nvey thir arty in ir	ngs that are difficult to say to the ndirect words.
r	7th "	QUARTET1" Ch.	7		Can giv multicu	e your o Iltural so	pinion in a discussion about a ciety.	
		8th R	eflection			Can loc and rec	ok back o confirm v	on what you can do in Japanese your goals from the next week.
2nd 1 Quarter 1	9th "	QUARTET1" Ch.	8		Unders	tand the	contents of the interview article.	
	10th	OUARTET1" Ch	8		Can int	erview y	our friends and put them together	
	11th "	QUARTET1" Ch.	8		Can ex	rticle. plain the	details of the thing in order to	
	12th "	QUARTET1" Ch.	8		Can tel	I the oth	er person about the recommended	
		13th "	QUARTET1" Ch.	9		Unders a long s	tand the story.	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 ye	our recommended story.	
		16th	Final exam				
Evaluation Method and Weight (%)							
		E	xamination	Assignments	Portfolio	Total	
Subtotal		5	0	40	10	100	
Basic Proficiency 50		0	20	0	70		
Specialized Proficiency 0			0	0	0		
Cross Are	a Proficien	cy 0		20	10	30	

Course Code 6224 Course Code Consectore Consectore Course Code 6224 Course Codeport School Codit: 1 Department Mechanical Engineering Student Grade 2 ad Term Second Somester Classes per Work 2 Termine Second Somester Classes per Work 2 Teaching Naturals WeBOTA Trummeduke Japan Times Classes per Work 2 Teaching Naturals WeBOTA Trummeduke Japan Times KUBOTA Trummeduke Japan Times Classes per Work 2 Course Code Code Code Code Code Code Code Cod	А	kashi Co	ollege	Year	2024		Co T	ourse Fitle	Japanese II-2	
Course Code 6224 Course Category General / Compulsory Cass Format Hechanical Engineering Student Grade 2nd Cost Sortant Second Sensetz Casse Ser Week 2 Toxtbook and/or RUARTET: Intermodate Japanese Across the Four Language Skills II, The Japan Times by Tadashi Sakamoto, The Japan Times The Second Sensetz Casse Ser Week 2 Course Objectives I. Can use Japanese to explain a particular thing in detail and logically explain their feelings and thoughts, from familiar topics to a wide range of topics and comprohend ts information. I. Can use Japanese to explain a particular thing in detail and logically explain their feelings and thoughts, from familiar topics to a wide range of topics and comprohend ts information. 2. Can rade a significant amount of toxts on a wide range of topics and comprohend ts information. Cannot case a topic topic and their time or and logically explain their feelings and thoughts, from familiar topics to a wide range of topics and comprohend ts information. Rubric Ideal Lovel Standard Level Unaccoptable Level Achievement 1 Can choose how to red a text and space Case and logical and socak clear and logical 	Course	Informa	tion							
Cless Format Lecture Credits School Credit: 1 Department Mechanical Engineering School Credit: 2 2 Term Second Serester Classes per Week 2 Terminy QUARTET: Intermediate Japanese Across the Four Language Skills II, The Japan Times by Tadeshi Sakamoto, Tacking Materials The Japan Times Nadeshield Instructor KUBOTA Kumii Course Objectives Intermediate Japanese to explain a particular thing in detail and logically explain their feelings and thoughts, from familiar topics to a wide range of topics, and competend to information. Intermediate Japanese to explain them in their network learned to far, and yring and competend to information. Altrievement 1 Ideal Level School charder washing and skills and can explain them in their analyze provide school	Course Co	ode	6224			Course Categor	у	General	/ Compulsory	
Department Mechanical Engineering Student Grade Znd Term Second Semester Classes per Week 2 Toxtbook and/or EQUARTET: Intermediate Japanese Across the Four Language Skills II, The Japan Times by Tadashi Sakamoto, Teaching Materia National Science Course Objectives Interview RUBOTA Rumi Course Objectives 1. Can use Japanese to explain a particular thing in detail and logically explain their feelings and thoughts, from familiar topics to a wide crange of topics. Can also then think of the proper solutions to challenges on their own Japanese ability and skills and can explain them in their familiar topics to a wide feering of any and write search and paper search with any and skills and can explain them in their and science. Rubric Ideal Level Standard Level Unacceptable Level Achievement 1 Can choose how to read a text class of any any write and any and can explain the science. Can appropriately select the and appreciate and write any and can explain the science. Can choose how to read a text class any, and can barrier unite science. Achievement 2 Can choose how to read a text class and read explain and write science. Can read a text based on hits or asstance. Can choose how to read a text class and emerally understanding of their content. Can choose how to read a text class and emerally understanding of their content. Can read text science. Can read text scie	Class Forr	mat	Lecture			Credits		School C	Credit: 1	
Term Gecond Semester Classes per Week 2 Totatoba, and/or QUARTET: Intermediate Japanese Across the Four Language Skills II, The Japan Times by Tadashi Sakamoto, Texturor Instructor Clusters Intermediate Japanese Across the Four Language Skills II, The Japan Times by Tadashi Sakamoto, Texturo Materias Course Objectives Intermediate Japanese to explain a particular thing in detail and logically explain their feelings and thoughts, from familiar topics to a wide range of topics and comprehend the information. Intermediate Japanese Across the Four Language Skills and can explain them in their native language. Can also then think of the proper solutions to challenges on their own and put them into action. Intermediate Japanese Across the Four Language Skills and can explain them in their native language. Can also then think of the proper solutions to challenges on their own and put them into action. Intermediate Japanese Across the Four Language Skills and can explain them in their native language. Can also then think of a setsitive and speak clear and logical sentences of ar, and write or space on texts. Achievement 1 Ideal Level Can figure out their challenges, inthe or seastance and generality. Can figure out their challenges. In the actos of a keet in the actos of a keet into actos. Achievement 2 Can figure out their challenges. Into actos. Can figure out their challenges. Into actos. Can figure out their challenges. Into actos. Can figure out their challenges. Inthe actos of Canse actos. Event Text can figure ou	Departme	ent	Mechanic	al Engineering		Student Grade		2nd		
Textbook and/or Carding Matchinsi Lacking Matchi	Term		Second S	emester		Classes per Wee	ek	2		
Instructor [KBOTA]kumi Course Objectives 1. Can use Japanese to explain a particular thing in detail and logically explain their feelings and thoughts, from familiar topics to a wide range of topics and comprehend its information. 2. Can read a significant amount of texts on a wide range of topics and comprehend its information. 2. Can indextinuing of the proper seniations to induce and the own particular them in their into action. Rubric Ideal Level Standard Level Can appropriately select the and space (car and logical) and part them into action. Rubric Can appropriately select the and space (car and logical) that is a selences and texts without the rests without in this or assistance. Can appropriately select the and space (car and logical) that and assistance and generally indext and logical entences or texts. Achievement 2 Can form the row to read a text based on hints or assistance. Can near texts without or assistance and generally understand its origical entences or texts. Achievement 3 Can form the row or and participation and think of solutions. Can near texts without or assistance and generally understand its origical entences the logical sectore. Achievement 3 Can form the row or and participation and think of solutions. Can near texts without or assistance and generally understand its origical entences the logical sectore. Achievement 3 Can form the rohallenges, ind participatin anount of texts to gain deeper understanding of their content, t	Textbook Teaching	and/or Materials	QUARTET The Japa	: Intermediate J n Times	apanese Across th	ne Four Language	e Skills	II, The J	lapan Times by Tadashi Sakamoto,	
Course Objectives Can use Japanese to explain a particular thing in detail and logically explain their feelings and thoughts, from familiar topics to a vide range of topics. Can read a significant amount of texts on a wide range of topics and comprehend its information. Can read a significant amount of texts on a wide range of topics. Can read a significant amount of texts on a wide range of topics. Can read a significant amount of texts on a wide range of topics.	Instructor	r	KUBOTA	Ikumi						
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Characteristics of Class / Division in Learning □ Active Learning □ Aided by ICT □ Applicable to Remote Class □ Instructor Professionally Experienced Course Plan	Notice		Students lesson, st improving Students	need to be able udents will be ex their Japanese who miss 1/4 or	to not only acquire spected to reflect of ability and skills. more of classes v	e linguistic knowl on what they cou vill not be eligible	ledge, l uld and e for ev	but also could no aluation	to use them properly. For every t do, and to be proactive in	
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		12th		"QUARTET1" Ch. 12	2 Understand the reading strategy according characteristics of the text.					
		13th "Q		"QUARTET1" Ch. 12			Understand effective expressions for writing logical sentences.			
		14th		"QUARTET1" Ch. 12		s you will need in the them.				
		15th		"QUARTET1" Ch. 12			Can give your opinion an of the 14th week.	nd reason for the content		
		16th		Final exam						
Evaluati	on Meth	od ar	nd V	Veight (%)						
			Exa	mination	Assignments	Portfolio		Total		
Subtotal	Subtotal 50		50		40	1	0	100		
Basic Prof	Basic Proficiency 50			20	0		70			
Specialize	Specialized Proficiency 0			0	0		0			
Cross Area Proficiency 0			20	1	0	30				

Akashi College			Year	2024			Course Title	Japanese Practice I		
Course	Informa	tion								
Course Co	ode	6225				Course Catego	ry	General	/ Compulsory	
Class For	mat	Lecture				Credits		School C	redit: 1	
Departme	ent	Mechani	cal Er	ngineering		Student Grade		2nd		
Term		Second S	Seme	ester		Classes per We	ek	2		
Textbook Teaching	and/or Materials	The tead Tomoma Expressi	cher v atsu, ons fo	will make and 3A Corporation or Effective C	distribute the ha on / The Way to E ommunication by	ndout. (Teachin Become an Adva Chikako Ogiwai	g mate nced S ra)	erials : Sh Speaker of	ort Essays in 12 Steps by Etsuko Japanese Techniques and	
Instructo	r	KUBOTA	Ikun	ni	,	<u> </u>				
Course	Objectiv	es								
1. Learn a between 2. Can ex clear stru	about and the two cu press and cture, with	understand Itures and speak abou respect to	l Japa can s ut a ra socia	anese culture peculate abo ange of topics al and cultura	, and also relate i ut them. s on culture and l l commonalities a	t to their own cu anguage behavi and differences.	ulture. or in J	Also realiz	ze the differences and similarities other countries, in a detailed and	
Rubric						1				
			Id	eal Level		Standard Level			Unacceptable Level	
Achievement 1				ave more kno formation abo llture than fro resented in cla	wledge and out Japanese om what was ass.	Have sufficient information ab- culture from w presented in cl	know out Ja hat wa ass.	ledge and panese as	Have basic knowledge and information about Japanese culture from what was presented in class.	
Achievement 2				an explain wh oticed or spec fferences and etween their c her culture ba ackground and	at they have ulated about the similarities own culture and ased on their d reasoning.	Can explain wh noticed or spec differences and between their other culture.	at the culated simila own cu	ey have l about arities ulture and	Cannot point out the differences or similarities between their own culture and other culture.	
Achievement 3				an express an eir observatic oout the subje nd clear struct	d speak about ons and thoughts ect in a detailed cure.	Can express ar their observation about the subjuand clear struct assistance.	nd spea ons an ect in a ture w	ak about ad thought a detailed vith hints c	Cannot express their observations or thoughts about the subject in a detailed and clear structure, and can only express them in words or short sentences.	
Assigne	d Depar	tment Ob	piect	ives					-	
Teachin	a Metho	d	2							
Outline	J	There ar The aim behavior	e diff of th and	ferences in la lis course is fo culture betwo	nguage behavior or students to dev een Japan and the	and culture that velop a deeper u eir own countrie	we no ndersi s. The	otice in rea tanding of students	Il-life communication situations. the differences in language will also make speeches and lated to the subject of each lesson	
Style		The clas fill it out material	s will on a s by r	be carried ou handout. For receiving pee	It using handouts "speaking" produ r feedback and ac	. Students will s uctive activities, lvice from their	ay wh stude teache	at they no nts will try ers, and pr	ticed in class during class time or to improve their scripts and esent the completed ones.	
Notice		We hope able to t the writt noticed of Students	e this hink a cen Ja or tho s who	class will dee about them n apanese expre ought through o miss 1/4 or	ppen students' un nore clearly. In ac essions and spoke n the class using t more of classes v	derstanding of J ddition, students in Japanese exp the Japanese lar vill not be eligibl	apan a s shou ression guage e for e	and their c ld make th ns so that e they lear evaluation.	wn cultures and allow them to be is class an opportunity to enhance they can express what they ned.	
Charact	eristics	of Class /	' Div	ision in Lea	arning	with for be eligible for evaluation.				
☑ Active	Learning			Aided by IC	T	☑ Applicable t	o Rem	ote Class	Instructor Professionally Experienced	
Course	Plan									
	-		Then	ne			Goals			
		1st	Orier	ntation			Unde	rstand the	class objectives and content.	
		2nd	Rece	ent Events			Can v	vrite about	recent events.	
		3rd	Rece	ent Events			Can v	vrite about	recent events.	
	4th Recent Events				Can t other Can a comn	alk about i person's a ilso listen i nent.	recent events while getting the attention. to the other person's story and			
3rd Quarter Semeste r		5th	Think	k about social	circumstances		Can s your	ee and an thoughts in	alyze the survey data and show n Japanese.	
		6th	Think	k about social	circumstances		Can v outlin	vrite a sho le, analysis	rt report by dividing the data into s, consideration, and summary.	
		7th	Think	k about social	circumstances		Can v outlin	vrite a sho	rt report by dividing the data into consideration, and summary.	
		8th	Diffei cultu	rence betwee Ire	en own culture an	d Japanese	Unde Japar certai	rstand the nese and the in word.	general communication style of nink about the meaning of a	
4th 9th			Diffei cultu	- ifference between own culture and Japanese ulture				Can think about the difference between your mother tongue and Japanese, explain the characteristics of each, and compare them.		
	Quarter	10th	Diffe cultu	rence betwee	en own culture an	d Japanese	Can write an essay about the contents summarized in the 9th week.			

		11th	Relationship with s	ociety	Can present issues on a topic and show basis of your opinion.					
	12th		Relationship with s	ociety	Can summarize and p listening to the opinior	resent your thoughts after n of others.				
		13th	Relationship with s	ociety		Can participate in the	debate in Japanese.			
		14th	Relationship with s	ociety	Can write a short essay by divi y introduction, a main theory, ar					
		15th Relationship with socie		ociety		Can write a short essa introduction, a main t	y by dividing it into an neory, and a conclusion.			
		16th	Reflection			Can explain new things you found out in class, things that changed their minds, and how your Japanese abilities and skills have developed.				
Evaluati	on Meth	od an	d Weight (%)							
	Presentation • Production work		Submission of assignments	В	ehavior	Total				
Subtotal 7		70	20	1	0	100				
Basic Proficiency		35	20	0		55				
Specialized Proficiency		icy	0	0	0		0			
Cross Area Proficiency			35	0	1	0 45				

Akashi College		Yea	ear 2024			Course Programming Title Fundamentals				
Course	Informa	tion						-		
Course Co	ode	6226				Course Catego	ry	Specializ	ed / Compulsory	
Class Forr	nat	Lecture				Credits		School C	redit: 1	
Departme	ent	Mechani	cal Engineer	ring		Student Grade		2nd		
Term		Second	Semester			Classes per We	eek	2		
Teaching	and/or Materials									
Instructor		TANAKA	Seiichi							
Course	Obiectiv	es								
(1) Can p (2) Can th	rogram in nink about	C language how to de	e. al with engir	neerin	g problems throug	gh programming	g techno	ology.		
Rubric										
			Ideal Lev	vel		Standard Leve			Unacceptable Level	
Achievement 1			Can accu	urately	program in C	Can program i	n C lang	guage.	Cannot program in C language.	
Achievement 2			Can think to deal w	Can think specifically about how the problem the probl					Cannot think about how to deal with the problem through	
Acciano	d Donar	tmont Of	programi	ming t	echnology.	programming i	Lechnol	ogy.	programming technology .	
Teachin	g Metho		Jectives							
Outline		In order students	to deal with will acquire	h prob e basic	lems related to co programming kno	mputer-based r owledge and tee	nachine chnique	e control a es through	and numerical calculations, n programming by C language.	
Style		Based of the over and exe	n the text th view. There rcise in the l	hat wil e will b lab.	l be distributed at e slide-based lectu	the beginning c ures in the Infor	of the cl mation	lass, stud Media Ce	ents will learn what were shown in enter, and a computer-based work	
Notice	(1) Review the use of the computer you learned in the year 1 class Foundations of Information Processin It's important to actively utilize the Information Media Center in accordance with the methods and rules use of the school network (7. Information Center in Student Life), and to become familiar with program Students may bring their own computer for exercises. (2) Students should prepare their own file binders for organizing lecture materials.								ions of Information Processing. with the methods and rules of ecome familiar with programming. terials.	
Charact	eristics (of Class /	Division	in l e	arning	in not be engib		passing		
			Aided	☑ Aided by ICT ☑ Applicable to					□ Instructor Professionally	
Active	Learning								Experienced	
Courso	Dlan									
Course			Thoma				Coals			
			Theme				Under	stand and	can explain the nurnose of this	
		1st	Class guida Programmir	ince ng bas	iics		class. Unders progra	Understand and can explain the purpose of class. Understand and can explain the basic matter programming.		
		2nd	Creation an numeric dat	nd runr Ita 1	ning of programs,	Processing of	Understand and can operate the procedures for creating and running a program using a lab PC Understand the types of numeric data, how to enter and display them, and how to process calculations and can create a program			
		3rd	Processing	of nun	neric data 2		Can cr preser conter	reate a pr nted in the nt of the p	ogram to perform the actions e exercise based on the learning previous week.	
	3rd Quarter	4th	Numeric fur	nction	s, processing of ch	naracter data 1	Unders functio charao techno	stand and ons, the ty ter codes ological ca	l can explain the use of numeric ypes of character data and necessary for scientific and lculations.	
2nd Semeste		5th	Numeric fur	nction	s, processing of ch	naracter data 2	Can cr preser conter	reate a printed in the print of	ogram to perform the actions e exercise based on the learning previous week.	
	6th Control structure and structured programming 1				ogramming	Unders structu Unders branch	stand and ured prog stand and ning with	l can explain the basics of ramming. l can explain how to handle the if and switch statements.		
		7th Branching 2					Can cr preser conter	reate a pr nted in the nt of the p	ogram to perform the actions e exercise based on the learning previous week.	
		8th	Midterm exam							
		9th	Loop 1				Understand and can explain how to iterate			
4th 10th Loop 2							Can create a program to perform the actions presented in the exercise based on the learning			
	Quarter	11th	h Use of array 1					content of the previous week. Understand and can explain how to process la amounts of data using one- and two-dimensio arrays.		

		12th	Use of array 2			Can create a program to perform the actions presented in the exercise based on the learning content of the previous week.				
13th			Use of string, Eng	jineering use of p	rogramming 1	Understand and can explain how to use strings . Understand and can explain how to handle discrete data required for scientific and technical calculations and machine control, and use the engineering techniques of programming .				
	14th Use of string, engineering use of programming 2						gram to perform exercise based o evious week.	the actions n the learning		
		15th	Comprehensive e	xercise		Can use previously learned content to set up an objective and create a program by oneself. Can read and review programs created by others.				
		16th	Final exam							
Evaluati	on Me	ethod and	Weight (%)							
		Examination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total		
Subtotal		0	0	0	0	0	0	0		
Basic Proficiency	у	0	0	0	0	0	0	0		
Specialize Proficiency	d y	0	0	0	0	0	0	0		
Cross Area Proficiency 0		0	0	0	0	0	0			

Akashi College			Year	2024			Course Title	Desigr	n and Drawing II A		
Course	Informa	tion									
Course Co	ode	622	7				Course Cated	jory	Specialize	ed / Con	npulsory
Class Forr	nat	Prac	tical tra	ining			Credits		School Cr	edit: 1	, ,
Departme	ent	Mec	hanical	Engineering			Student Grad	le	2nd		
Term	-	First	Semes	ter			Classes per V	Veek	2		
Textbook Teaching	and/or Materials										
Instructor	-	MAT	SUZUK	A Naoki							
Course	Objectiv	es									
(1) Under (2) Can sl	stand the ketch a vis	standa se and	ords of n create it	nechanical draves of the sector of the secto	wing a Irawing	nd create p g.	roduction dra	wing	s of mechanica	al parts.	
Rubric											
			I	deal Level		Standard Lev	/el		Unacc	eptable Level	
Achievement 1				Inderstand the nechanical dra accurately crea trawings of me	e stand iwing a ite proc echanic	lards of and can duction cal parts.	Understand t mechanical c create produ mechanical p	he st Irawi ction arts.	tandards of ng and can drawings of	Do no standa canno drawii	t understand the ards of drawing and t create production ngs of mechanical parts.
Achievement 2				Can sketch a vi accurately crea drawings.	ise anc ite its p	d production	Can sketch a production d	vise rawir	and create its	Canno its pro	ot sketch a vise and create oduction drawing.
Assiane	d Depar	tmen	t Obied	ctives							
Teachin	a Metho	d									
Outline	grietio	We drav	will lear vings ba	n correct draw sed on sketch	ing me es and	ethod by tra dimensiona	icing existing al measureme	draw nts c	vings. In addition of a vise, etc. T	on, we v The aim	will create production is to learn the structure of
Chula		mac	chinery a	and to acquire	the co	rrect draftin	ig method tha	it is i	n accordance	with JIS	through these processes.
Style			ses will	be taught in a	lab sty	yie.		ام م			a design dynusing that is
Notice		acce	eptable i dents wh	n real-world us no miss 1/4 or	se. more	of classes w	vill not be elig	na a ible f	or evaluation.	pursue	a design drawing that is
Charact	eristics o	of Cla	ss / Di	vision in Lea	arnin	a					
Active	Learning		ĺ	Aided by IC	T.		☑ Applicable	e to F	Remote Class	□ Ins Experi	structor Professionally ienced
Course	Plan										
			The	eme				Go	oals		
		1st	Exp Des	lanation of lea	irning o ing I	content and	review of	Ur m	nderstand and echanical drav	can exp vings.	plain the basics of
		2nd	Dra	wing bearing ((1)			Ur ca	Understand how to draft production drawings a can create (trace) production drawings.		
	1st	3rd	Dra	wing bearing ((2)			Ur ca	nderstand how an create (trace	v to draf e) produ	t production drawings and uction drawings.
	Quarter	4th	Abo	out sketches ar	nd proo	duction drav	wings	Ur sk	nderstand the tetching.	purpose	and procedures of
		5th	Ske	etching a vise ((1)			Ca	an observe and	d sketch	a vise.
1st		6th	Ske	etching a vise ((2)			Ca	an observe and	l sketch	a vise.
Semeste		7th	Ske	etching a vise ((3)			Ca	an observe and	d sketch	a vise.
r		8th	Ske	etching a vise ((4)			Ca	an observe and	d sketch	a vise.
		9th	Ske	etching a vise ((5)			Ca	an observe and	d sketch	a vise.
		10th	Ske	etching a vise ((6)			Ca	an observe and	d sketch	a vise.
		11th	Dra	iwing a vise's r	movab	le parts (1)		Ca	an create a pro	oduction	drawing from a sketch.
	2nd	12th	Dra	iwing a vise's r	movab	le parts (2)		Ca	an create a pro	oduction	drawing from a sketch.
	Quarter	13th	Dra	iwing a vise's r	movab	le parts (3)		Ca	an create a pro	duction	drawing from a sketch.
14th			Dra	iwing a vise's r	movab	le parts (4)		Ca	an create a pro	oduction	drawing from a sketch.
15th Dr.			iwing a vise's r	movab	le parts (5)			an create a pro	oduction	drawing from a sketch.	
16th											
Evaluation Method and Weight (%)											
			Attenda	ince	A	ttitude		Drav	wing		Total
Subtotal			30		1	0		60			100
Basic Proficiency		0		0			0			0	
Specialize	Specialized Proficiency			30 10		0		60			100
Cross Area Proficiency			0		0			0			0

Akashi College			Year	202	2024			Course Title	Desigr	n and Drawing II B		
Course	Informa	tion										
Course Co	ode	622	8				Course Cated	aory	Specializ	ed / Con	npulsory	
Class Forr	nat	Prac	tical tra	inina			Credits		School C	redit: 1		
Departme	ent	Mec	hanical	Enaineerina			Student Grad	le	2nd			
Term		Seco	ond Sem	nester			Classes per V	Veek	2			
Textbook Teaching	and/or Materials											
Instructor	-	MAT	SUZUK	A Naoki								
Course	Objectiv	es										
(1) Under (2) Can c	stand the reate a pro	standa oductio	nds of n n drawi	nechanical dra ng from a sket	wing tch of	and create p a vise.	roduction dra	wings	s of mechanic	al parts.		
Rubric												
			I	deal Level			Standard Lev	/el		Unacc	eptable Level	
Achievem	ent 1		l r a	Inderstand the nechanical dra accurately crea trawings of me	e stan awing ate pro echan	idards of and can oduction ical parts.	Understand t mechanical c create produ mechanical p	he st Irawir ction arts.	andards of ng and can drawings of	Do no standa canno drawii	t understand the ards of drawing and t create production ngs of mechanical parts.	
Achievem	ent 2		() F	Can accurately production drav sketch of a vise	v creat wing e.	te a from a	Can create a drawing from	prod 1 a sk	uction etch of a vise	Canno drawii	ot create a production ng from a sketch of a vise	
Assiane	d Depar	tmen	t Obied	tives			•					
Teachin	a Metho	d										
Outline	grietio	We We	will maii will also	nly create proc create a shee	ductio et met	n drawings b al expansion	based on sketo diagram. The	ches a	and dimensio is to learn th	nal meas e structu	surements of a vise, etc. Ire of machinery and to	
		acqu	uire the	correct draftin	ng me	thod that is i	n accordance	with	JIS through t	hese pro	ocesses.	
Style			ses will	be taught in a	i lab s	tyle.		سم ما ما ر			a docion duquina that is	
Notice		acce	eptable i dents wh	n real-world u n miss 1/4 or	relatio Ise. 1 more	e of classes w	vill not be elig	ina ar ible fo	or evaluation.	, pursue	a design drawing that is	
Charact	eristics of	of Cla	ss / Di	vision in Le	arnir	าต						
Active	Learning		[Aided by IC	CT			e to R	Remote Class	□ In: Exper	structor Professionally ienced	
Course	Plan											
			The	eme				Go	bals			
		1st	Dra	wing a vise's l	body	(1)		Ca	in create a pr	oduction	drawing from a sketch.	
		2nd	Dra	wing a vise's l	body	(2)		Ca	in create a pr	oduction	drawing from a sketch.	
		3rd	Dra	wing a vise's l	body	(3)		Ca	in create a pr	oduction	drawing from a sketch.	
	3rd	4th	Dra	wing a vise's l	body	(4)		Ca	Can create a production drawing from a sketch.			
	Quarter	5th	Dra	wing a vise's l	body	(5)		Ca	Can create a production drawing from a sketch.			
		6th	Dra	iwing a vise as	ssemb	ly drawing (1)	Ca	Can create a production drawing from a sketc			
		7th	Dra	iwing a vise as	ssemb	ly drawing (2	2)	Ca	Can create a production drawing from a sketch			
		8th	Dra	iwing a vise as	ssemb	ly drawing (3)	Ca	in create a pr	oduction	drawing from a sketch.	
2nd		9th	Dra	wing a small v	vise (:	1)		Ca	in create a pr	oduction	drawing of a small vise.	
Semeste		10th	Dra	wing a small v	vise (2	2)		Ca	in create a pr	oduction	drawing of a small vise.	
		11th	Dra	wing a small v	vise (3	3)		Ca	in create a pr	oduction	drawing of a small vise.	
		12th	Dra	wing a small v	vise (4	4)		Ca	in create a pr	oduction	drawing of a small vise.	
	1+h	13th	Dra	wing a small v	vise (!	5)		Ca	in create a pr	oduction	drawing of a small vise.	
	Quarter	14th	She	eet metal deve	elopme	ent drawing	(1)	Un de dra	nderstand hov velopment dr awing.	v to crea awing a	te a sheet metal nd can create a production	
	15th		She	eet metal deve	elopme	ent drawing	(2)	Un de dra	nderstand how velopment dr awing.	v to crea awing a	te a sheet metal nd can create a production	
16th								• • • • • •				
Evaluation Method and Weight (%)												
Attendance						Attitude			Drawing Total			
Subtotal			30			10		60	my		100	
Basic Prof	Sublolal Basic Proficiency		0				0			0		
Basic Proficiency			<u> </u>		-		60					
Cross Area Proficiency			130) 0				60			100	

Δ	kashi Co	ollege	Year	Year 2024			Manufacturing Engineering Practice II A						
Course	Information	tion											
Course Co	ode	6229			Course Catego	ry Specializ	ed / Compulsory						
Class For	mat	Practical	training		Credits	School C	Credit: 1						
Departme	ent	Mechani	cal Engineering		Student Grade	2nd							
Term		First Ser	nester		Classes per We	ek 2							
Textbook Teaching	and/or Materials												
Instructor	Instructor KATOH Takahiro,OHMORI Shigetoshi												
Course	Objectiv	es											
(1) Can c (2) Can u (3) Can r (4) Can c (5) Can a (a) Ir (b) Ir (c) In and groov	 (2) Can use the equipment and devices correctly. (3) Can report in writing, orally, etc. (4) Can carry out exercises by working together as a group. (5) Can acquire basic knowledge and skills in mechanical engineering. (a) In welding work, understand the methods of flat butt welding and the gas welding and can manufacture a product. (b) In milling work, understand the machining procedures of a hexahedral object and can manufacture a product. (c) In lathe machining, understand the types and applications of screws, machining of male threads using oblique threading, and grooving, and can manufacture a product. 												
Rubric													
			Ideal Level		Standard Level		Unacceptable Level						
Achievem	ient 1		Can fully carry based on the in procedures pro	out exercises nstructions and ovided.	Can carry out e on the instructions pro	exercises based ons and ovided.	Cannot carry out exercises based on the instructions and instructions provided.						
Achievem	ient 2		Can use equip sufficiently and	ment and devices correctly.	Can use equipr correctly.	nent and device	s Cannot use equipment and devices correctly.						
Achievem	ient 3		Can report suff writing, orally,	ficiently in etc.	Can report in w etc.	riting, orally,	Cannot report in writing, orally, etc.						
			Can carry out e working togeth while encourag members.	exercises by her as a group jing other	Can carry out e working togeth	exercises by er as a group.	Cannot carry out exercises by working together as a group.						
			Understand the butt welding and welding and ca good product.	e methods of flat nd the gas In manufacture a	Understand the butt welding ar welding and ca product.	e methods of fla nd the gas n manufacture	t Do not understand the methods of flat butt welding, and cannot manufacture a product.						
			Understand the procedures of object, and car good product.	e machining hexahedral n manufacture a	Understand the procedures of h object, and car product.	e machining nexahedral n manufacture a	Do not understand the machining procedures of hexahedral object, and cannot manufacture a product.						
			Understand the applications of machining of n using oblique t grooving, and a good product	e types and screws, nale threads hreading, and can manufacture	Understand the applications of machining of m using oblique tl grooving, and o a product.	e types and screws, ale threads hreading, and can manufacture	Do not understand the types and applications of screws, machining of male threads using oblique threading, and e grooving, and cannot manufacture a product.						
Assigne	d Depar	tment Ob	jectives										
Teachin	a Metho	d	•										
Outline		In this co basic teo processe	ourse, we will furt hnology through s for rational wor	her pursue basic the organic relatic k, and develop cre	exercises and do onship between peative abilities.	applied exercis processing theo	es. The goals is to understand ry and practice, develop work						
Style		We will o exercises For basic In additi	to safety educatic in the training fa exercises, stude on, we will go on	on in a lecture styl actory. nts will split into s a factory tour to o	e in the first clas ix groups and ca deepen knowled	ss. From the sec arry out differen ge of productior	cond class and on, we will do basic t assignments in turn. n methods.						
Notice		In exercion other groups of the second secon	ses, students ma pups. Always keep who miss 1/3 or	y be concerned w the purpose in n more of classes v	ith the shape of hind, try to work vill not be eligibl	the product, its correctly, and e for evaluation	appearance, and the progress of try to grasp the essential things.						
Charact	eristics of	of Class /	Division in Le	arning									
Active	Learning		□ Aided by IC	т	☑ Applicable t	o Remote Class	 Instructor Professionally Experienced 						
Course Plan													
			Theme			Goals							
		1st	Safety education	(Omori and Kato)		Understand late exercises and le	ent dangers of the work during the earn to work safely.						
		2nd	Welding exercise Making of bend te	I-1: Flat butt wele est piece) (Omori	ding method (and Kato)	Understand the bend test piece	e flat butt weld method (Making a) and learn how to work.						
1st Semeste 1st 3rd (Welding exercise (Making of bend t	I-2: Flat butt weld test pieces) (Omo	ding method ri and Kato)	Understand the bend test piece	e flat butt weld method (Making a) and learn how to work.						
r	Quarter	4th	Welding exercise procedures and h (Omori and Kato)	II-1: Explanation andling of automa	of work atic gas cutter	Learn how to work with gas welding and how to handle automatic gas cutters.							
		5th	Welding exercise procedures and h cutters.(Omori ar	II-2: Explanation andling of automa d Kato)	of for work atic gas	for work gas Learn how to work with gas welding and handle automatic gas cutters.							

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		6th		Milling exercise I-1: M object (Omori, and Ka	achining of a hexahedron to)	Learn the basics of work machining through work 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 t the training factory.	By visiting a production plant, students will gain knowledge and insight that cannot be obtained at the training factory.			
		9th		Milling exercise I-3: M object (Omori and Kat	achining of a hexahedron	ning of a hexahedron Learn the basics of working procedures for machining through work on a hexahedror with milling machines.				
		10th		Milling exercise I-4: 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			
		11th		Lathing exercise I-1: 7 screws, machining of r threading, and groovir	Types and applications of male threads using oblique of (Omori and Kato)	Learn about the types a machining of male threat threading, and grooving	Learn about the types and applications of screws, machining of male threads using oblique threading, and grooving through lathe machining.			
	2nd Quarter	12th		Lathing exercise I-2: 1 screws, machining of i threading, and groovir	Types and applications of male threads using oblique ng (Omori and Kato)	Learn about the types a machining of male threat threading, and grooving	nd applications of screws, ads using oblique 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			
		14th		Lathing exercise II-2: small vise (Omori, Kat	Making of screw rods for a o)	Learn how to make a so through lathe machining	Learn how to make a screw rod for a small vise through lathe machining.			
		15th		Factory tour (Omori a	nd Kato)	By visiting a production knowledge and insight t the training factory.	By visiting a production plant, students will gain knowledge and insight that cannot be obtained at the training factory.			
	16th No final		No final exam							
Evaluati	valuation Method and Weight (%)									
	Report			ort	the work	Behavior	Total			
Subtotal	Subtotal 60			20	20	100				
Basic Prof	Basic Proficiency 0		0		0	0	0			
Specialized Proficiency 6			60		20	20	100			
Cross Area Proficiency			0		0	0	0			

Akashi College		Year		2024			urse tle	Manufacturing Engineering Practice II B				
Course	Informa	tion										
Course Co	ode	6230				Course Catego	ry S	pecialize	d / Compulsory			
Class Forr	nat	Practica	l training			Credits	S	chool Cre	edit: 1			
Departme	nt	Mechan	ical Engineering	g		Student Grade	2	nd				
Term		Second	Semester			Classes per We	eek 2					
Textbook Teaching	and/or Materials											
Instructor		KATOH	Takahiro,OHM	ORI	Shigetoshi							
Course Objectives												
(1) Can ca (2) Can u (3) Can ra (4) Can ca (5) Can ad (a) Ur in welding (b) Ur machining (c) In gauges, th	 (2) Can use the equipment and devices correctly. (3) Can report in writing, orally, etc. (4) Can carry out exercises by working together as a group. (5) Can acquire basic knowledge and skills in mechanical engineering. (a) Understand and work with basic knowledge of gas welding, principles, characteristics and handling of CO2 and TIG welding in welding operations. (b) Understand the end mill machining method and tolerance precision by milling machine operations, and perform basic machining. (c) In lathe machining, can manufacture a product using applied techniques such as the mating method, the use of limit gauges, the basic techniques of rolling knurled machining, drilling, bored roughing, and boring finishing. 											
Rubric						1			1			
			Ideal Level			Standard Level			Unacceptable Level			
Achievem	ent 1		Can fully ca based on th procedures	arry o ne in prov	out exercises structions and vided.	Can carry out e on the instructi instructions pro	exercises ions and ovided.	based	Cannot carry out exercises based on the instructions and instructions provided.			
Achievem	ent 2		Can use eq sufficiently	uipn and	nent and devices correctly.	Can use equipr correctly.	ment and	devices	Cannot use equipment and devices correctly.			
Achievem	ent 3		Can report writing, ora	suffi Illy, e	ciently in etc.	Can report in wetc.	vriting, or	rally,	Cannot report in writing, orally, etc.			
			Can carry of working too while encou members.	out e gethe uragi	xercises by er as a group ing other	Can carry out exercises by working together as a group.			Cannot carry out exercises by working together as a group.			
			Understand the basic knowledge of gas welding, the principles, characteristics, and handling of CO2 and TIG welding, and can work well.			Understand basic knowledge of gas welding, the principles, characteristics, and handling of CO2 and TIG welding, and can perform basic tasks.			Do not understand the basic knowledge of gas welding, the principles, characteristics, and handling of CO2 and TIG welding, and cannot perform tasks.			
			Understand techniques accuracy to products.	l enc and ma	l mill machining tolerance nufacture good	Understand the machining met tolerance accur perform basic r	e end mill hod and racy, and machining	l can g.	Do not understanding end mill machining methods and tolerance precision, and cannot perform basic machining.			
			Understand and the use and can ma product usi knurled ma drilling, bor boring finis	Understand the mating method and the use of the limit gauge, and can manufacture a good product using the rolling knurled machining method, drilling, boring roughing, and boring finishing.			e mating the limit acture a nurled ma g, bored boring fin	method gauge, product achining nishing.	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.			
Assigne	d Depar	tment O	ojectives									
Teachin	g Metho	d										
Outline		In this c basic te process	course, we will chnology throu es for rational	furtl Igh t work	her pursue basic he organic relatic , and develop cre	exercises and do onship between peative abilities.	o applied processin	exercise Ig theory	s. The goals is to understand and practice, develop work			
Style		We will For basi In addit	do basic exerci c exercises, stu ion, we will go	ises uden on a	at the training fa its will split into s a factory tour to o	ctory. ix groups and ca deepen knowled	arry out c ge of pro	lifferent duction r	assignments in turn. nethods.			
Notice		In exerce other gr Student	tises, students oups. Always k s who miss 1/3	may keep 3 or	be concerned w the purpose in n more of classes v	ith the shape of hind, try to work vill not be eligibl	the prodection the prodection of the product of the	uct, its a y, and tr luation.	ppearance, and the progress of y to grasp the essential things.			
Charact	eristics o	of Class /	Division in	Lea	arning	—						
□ Active Learning □ Aided by ICT □ Applicable to Remote Class □ Instructor Professionally Experienced												
Course	Plan		1				1					
			Theme				Goals					
		1st	Welding exerce welding, how (Omori and Ka	Velding exercise III-1: Basic knowle velding, how to place beads, and p Omori and Kato)			Understa to place to work.	and basic beads, p	c knowledge of gas welding, how precautions, etc., and learn how			
2nd Semeste r	3rd Quarter	2nd	Welding exerce welding, how (Omori and Ka	to p to p	II-2: Basic know lace beads, and p	owledge of gas d precautions Understand basic knowledge of gas weld to place beads, precautions, etc., and le to work.			c knowledge of gas welding, how recautions, etc., and learn how			
Welding exercise IV-1: Principles, characteristics and handling of CO2, and TIG welding (Omori and Kato)Understand the principles, characteristics handling of CO2 and TIG welding to work.						principles, characteristics, and and TIG welding, and learn how						

			4th	Welding exercise and handling of C Kato)	IV-2: Principles, c O2, and TIG weld	haracteristics ing (Omori and	Understand the principles, characteristics, and handling of CO2 and TIG welding, and learn how to work.				
			5th	Milling exercise II- such as end mill n accuracy (Omori a	-1: Basic processi nachining and tole and Kato)	ng techniques erance	Understand the e tolerance precisio machining technic	nd mill machining n by milling and ques.	g method and learn basic		
			6th	Milling exercise II such as end mill n accuracy (Omori a	-2: Basic processi nachining method and Kato)	ng techniques and tolerance	Understand the end mill machining method and tolerance precision by milling and learn basic machining techniques.				
			7th	Milling exercise II- such as end mill n accuracy (Omori a	-3: Basic processi nachining method and Kato)	ng techniques and tolerance	Understand the e tolerance precision machining technic	nd mill machining n by milling and ques.	g method and learn basic		
	8th			Factory tour (Ome	ori and Kato)		Broaden knowled obtained at the tr	ge and insights t aining factory.	hat cannot be		
	9th			Milling exercise II- such as end mill n accuracy (Omori a	-4: Basic processi nachining method and Kato)	ng techniques , and tolerance	Understand the e tolerance precision machining technic	nd mill machining n by milling and ques.	g method and learn basic		
	10th		Lathing exercise I explanation of lim processing metho	II-1: Mating meth it gauge, and turr d (Omori and Kat	nod, ning knurled o)	Understand the ir handling method, method through to do the work.	nstallation metho and rolling knur athing exercises,	d, limit gauge led machining and learn how			
	11th		11th	Lathing exercise I explanation of the method (Omori ar	II-2: Mating methelimit gauge, and Ind Kato)	nod, roll-making	Understand the installation method, limit gauge handling method, and rolling knurled machining method through lathing exercises, and learn how to do the work.				
	4th Quarte	er	12th	Lathing exercise I bore finishing (On	V-1: Drilling, bore nori and Kato)	e roughing, and	Acquire applied to roughing, and bo exercises.	echniques such a ring finishing thro	s drilling, bored bugh lathing		
			13th	Lathing exercise I bore finishing (On	V-2: Drilling, bore nori and Kato)	e roughing, and	Acquire applied to roughing, and bo exercises.	echniques such a ring finishing thro	s drilling, bored bugh lathing		
			14th	Factory tour (Ome	ori and Kato)		Broaden knowledge and insights that cannot be obtained at the training factory.				
			15th	Report writing			Accurately summarize the knowledge and techniques acquired in the exercises.				
			16th	No final exam							
Evaluati	on Me	etho	od and V	Veight (%)	_		-				
		Examination		Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total		
Subtotal	ubtotal 0		0	0	0	0	0	0			
Basic Proficiency	asic 0		0	0	0	0	0	0			
Specialize Proficiency	Specialized 0 Proficiency		0	0	0	0	0	0			
Cross Area Proficiency 0		0	0	0	0	0	0				

Akashi College			Year	2024		C	ourse Title	Practice on Mechanical Engineering II A			
Course	Informa	tion	•								
Course Co	ode	6231				Course Catego	ry	Specialize	ed / Compulsory		
Class For	mat	Practica	l trair	ning		Credits		School C	redit: 1		
Departme	ent	Mechan	ical Ei	ngineering		Student Grade		2nd			
Term		First Se	meste	er		Classes per We	eek	2			
Textbook	and/or					•					
Teaching	Materials										
Instructor	r	KATOH	Takał	hiro,OHMORI	Shigetoshi						
Course	Objectiv	es									
(1) Can c (2) Can u (3) Can r (4) Can c (5) Can a (a) engine.	disassemble and assemble an										
(a)	Understar	nd how NC Id the cont	mach rol m	nine tools wor ethods of vari	k and can create	an NC program. can assemble m	notor dr	river circu	its, and operate robots.		
Rubric	ondorotan										
Rubiic			Ы			Standard Level			Linaccentable Level		
				an fully carry		Can carry out 6	ovorcisc	e hacod			
Achievem	ient 1		ba pr	ased on the in rocedures pro	structions and vided.	on the instruct	ions an ovided.	d	based on the instructions and instructions provided.		
Achievem	ient 2		Ca su	an use equipn Ifficiently and	nent and devices correctly.	Can use equipr correctly.	ment ar	nd devices	s Cannot use equipment and devices correctly.		
Achievem	ient 3		Ca Wi	an report suffi riting, orally,	iciently in etc.	Can report in v etc.	vriting,	orally,	Cannot report in writing, orally, etc.		
			Ca wa wl m	an carry out e orking togeth hile encourag embers.	xercises by er as a group ing other	Can carry out e working togeth	exercise Ier as a	es by group.	Cannot carry out exercises by working together as a group.		
			Ur co ca di: er	nderstand the onstructions o an use hand to sassemble an ngine.	types and f engines, and pols correctly to d assemble an	Understand the constructions of can use hand t disassemble ar engine.	e types of engin ools co nd assei	and les, and rrectly to mble an	Do not understand the types and constructions of engines, and cannot use hand tools correctly to disassemble and assemble an engine.		
			Ur to N(nderstand hov ols work and C program.	w NC machine can create an	Understand ho tools work and NC program.	w NC m can cre	nachine eate an	Do not understand how NC machine tools work and cannot create an NC program.		
			Ur of as ar	nderstand the various moto semble moto nd operate rol	control methods ors, and can r driver circuits, oots correctly.	Understand ho various motors assemble moto and operate ro	w to co , and c or drive bots.	ontrol an r circuits,	Do not understand how to control various motors, and cannot assemble motor driver circuits, and operate the robot.		
Assigne	d Depar	tment O	bject	tives							
Teachin	g Metho	d									
Outline	-	Deepen relation creative	basic ship b abilit	exercises and between proce	d provide applied essing theory and	exercises. Unde practice, develo	erstand op work	basic tec processe	hnology through the organic es for rational work, and develop		
Style		We will and car	carry ry out	out basic exe t different ass	ercises after safety ignments in turn.	y education, For	basic e	exercises,	students will split into six groups		
Notice		In exerce other gr	cises, oups	students may Always keep	be concerned with the purpose in more of classes w	th the shape of hind, try to work	the pro	oduct, its tly, and t	appearance, and the progress of ry to grasp the essential things.		
Charact	eristics	of Class	/ Div	vision in Lea	arnina		0.0.0	aldation			
□ Active	Learning			Aided by IC	T	☑ Applicable t	o Remo	ote Class	 Instructor Professionally Experienced 		
Course	Plan										
			Ther	ne			Goals				
		1st	Safe	ty education (Katoh and Omori)	Can w	ork safely	on various machines		
	2nd Engine exercise I-1 (Omori)				-	Unders	stand the	basic use of hand tools and the			
	3rd Engine exercise I-2 (C			2 (Omori)		Unders	stand the ure and ty	basic use of hand tools and the pe of engine.			
1st Semeste 1st 4th Er		Engi	ne exercise II	-1 (Omori)		Can ex engine	plain the and a fo	difference between a two-cycle ur-cycle engine.			
r	Quarter	5th	Engii	ne exercise II	-2 (Omori)		Can explain the difference between a two-cycle				
		6th	NC e	exercise I-1 (k	(atoh)		Understand how to program and can create an NC program.				
7th NC			NC e	IC exercise I-2 (Katoh)				Understand how to program and can create an NC program.			

		8th	Factory tour			Can produ	Deepen your knowledg	ge and insight of duction management.	
		9th	NC exercise	NC exercise II-1 (Katoh)			Understand how to operate the MC and can create an NC program.		
		10th	NC exercise	II-2 (Katoh)		Under create	Understand how to operate the MC and can create an NC program.		
		11th	Motor contro	l exercise I-1 (ohnishi))	Under can as	Understand how to control various motors, and can assemble the motor driver circuit.		
	2nd	12th	Motor contro	l exercise I-2 (ohnishi	i)	Understand how to control various motors, and can assemble the motor driver circuit.			
	Quarter	13th	Motor contro	l exercise II-1 (ohnish	ni)	Can control the speed of movement of the robot using the motor driver circuit.			
		14th	Motor contro	l exercise II-2 (ohnish	ni)	Can control the speed of movement of the robot using the motor driver circuit.			
		15th	Factory tour	(Katoh and Omori)		Can Deepen your knowledge and insight of production systems and production management.			
		16th	No final exan	n					
Evaluat	ion Meth	nod and	Weight (%)						
		Examir	nation	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 Proficienc	ea Cy	0		0	0		0	0	

Akashi College			Year	2024		C	course Title	Practice on Mechanical Engineering II B		
Course	Informa	tion			•					
Course Co	ode	6232			Course Catego	ry	Specializ	ed / Compulsory		
Class For	mat	Practica	l trair	training		Credits	School Cre		redit: 1	
Departme	ent	Mechan	ical E	ngineering		Student Grade		2nd		
Term		Second	Seme	ester		Classes per We	eek	2		
Textbook Teaching	and/or Materials									
Instructor	r	КАТОН	Takal	hiro,SEKIMOR	I Daisuke					
Course	Objectiv	es								
(1) Can c (2) Can u (3) Can r (4) Can c (5) Can a (a) (b) programr (c)	 (1) Can carry out exercises based on procedures and instructions. (2) Can use the equipment and devices correctly. (3) Can report in writing, orally, etc. (4) Can carry out exercises by working together as a group. (5) Can acquire basic knowledge and skills in mechanical engineering. (a) Understand basic knowledge of electrical circuits that are related to the control of machinery. (b) Understand the how to operate and the importance of NC machine tools including machining centers through NC programming. (c) Understand the control of robots through the production of line trace robots. 									
Rubric						1				
			Id	leal Level		Standard Level			Unacceptable Level	
Achievem	ient 1		Ca ba pr	an fully carry ased on the ir rocedures pro	out exercises ostructions and wided.	Can carry out e on the instruct instructions pro	exercise ions an ovided.	es based nd	Cannot carry out exercises based on the instructions and instructions provided.	
Achievem	ient 2		Ca	an use equipr ufficiently and	nent and devices correctly.	Can use equipr correctly.	ment a	nd device	s Cannot use equipment and devices correctly.	
Achievem	ient 3		Ca	an report suff riting, orally,	iciently in etc.	Can report in v etc.	vriting,	orally,	Cannot report in writing, orally, etc.	
			Ca Wi Wi m	an carry out e orking togeth hile encourag nembers.	exercises by er as a group ing other	Can carry out exercises by working together as a group.		es by a group.	Cannot carry out exercises by working together as a group.	
				ully understar rcuit diagram inctions and a omponent.	derstand the electrical iagrams, and the is and action of each ent.		e electr the fur compo	rical circui nctions ar nent.	t Do not fully understand the electrical circuit diagrams, and the function and action of each component.	
				ully understar nethods and ir nachine tools s nachining cent rogramming.	nd the operation mportance of NC such as ers through NC	Understand the operation and importance of NC machine tools such as machining centers through NC programming.		ation and chine tool nters ming.	bo not understand the operation and importance of NC machine tools such as machining centers through NC programming.	
			Fu ro of	ully understar bots through f line trace rol	nd the control of the production bots.	Understand the control of robots through the production of line trace robots.		ol of oduction	Do not understand the control of robots through the production of line trace robots.	
Assigne	d Depar	tment O	bject	tives						
Teachin	ig Metho	d								
Outline		In this of basic te process	course chnol es for	e, we will furt logy through f r rational wor	her pursue basic (the organic relatic k, and develop cre	exercises and do onship between eative abilities.	o applie proces	ed exercis sing theor	es. The goals is to understand y and practice, develop work	
Style		Student In addit	s will ion, v	split into six we will go on	groups and carry a factory tour to c	out different as leepen knowled	signme ge of p	ents in tur production	n. methods.	
Notice		In exerce other gr Student	cises, roups is who	students may Always keep o miss 1/3 or	y be concerned wi the purpose in m more of classes v	th the shape of hind, try to work vill not be eligibl	the pro	oduct, its ctly, and t valuation	appearance, and the progress of try to grasp the essential things.	
Charact	eristics o	of Class ,	/ Div	ision in Lea	arning					
□ Active	Learning			Aided by IC	Т	Applicable to Remote Class		ote Class	 Instructor Professionally Experienced 	
									· ·	
Course	Plan									
			Ther	me			Goals			
		1st	Sequ	uence basic ex	xercise I-1(Kato)	Understand the k diagrams and the			knowledge of electrical circuit he functions and action of each	
		2nd	Sequ	uence basic ex	xercise I-2(Kato)	Understand th diagrams and component.		stand the ams and the onent.	he knowledge of electrical circuit d the functions and action of each	
2nd Semeste r	3rd Quarter	3rd	Sequ	uence basic e	xercise II-1(Kato)		Under compo circuit	iderstand the function, action, etc. of each mponent by integrating them into an actual cuit, and understand a more applied circuit		
		4th	Sequ	uence basic e	xercise II-2(Kato)		Under compo circuit	stand the onent by i	function, action, etc. of each ntegrating them into an actual lerstand a more applied circuit.	
		5th	NC e	exercise III-1((Kato)		Understand NC programming through the assignments.			

		6th	NC exercise III-2(Kato)			Understand NC programming through the assignments.			
		7th	NC exercise I	IV-1(Kato)		Can process automatically using the program created.			
		8th	Factory tour			A tour of the actual production site will allow better understanding of production.			
		9th	NC exercise I	IV-2(Kato)		Can process automatically using the program created.			
		10th	Robot assem	bly exercise I-1(Sekim	nori)	Can as	ssemble a line trace ro	bot	
		11th	Robot assem	bly exercise I-2(Sekim	nori)	Can as	ssemble a line trace ro	bot	
	444	12th	Robot assem	assembly exercise II-1(Sekimori)			Can adjust various sensors and improve the performances.		
	Quarter	13th	Robot assem	bly exercise II-2(Sekir	nori)	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	g		Accurately summarize the knowledge and techniques acquired in the exercises.			
		16th	No final exan	n					
Evaluat	ion Meth	od and	Weight (%)	1					
			nation	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 Proficienc	ea Cy	0		0	0		0	0	

Akashi College		Year	2024		C	Course Title	Manufacturing Engineering			
Course Information									1-	
Course Co	ode	6233	Course Categor				ry	/ Specialized / Compulsory		
Class Forr	nat	Lecture				Credits		School Credit: 1		
Departme	ent	Mechani	cal Engineering			Student Grade		2nd		
Term		First Ser	nester			Classes per We	ek	2		
Textbook Teaching	and/or Materials									
Instructor	-	KATOH T	Fakahiro							
Course	Objectiv	es								
1. Unders 2. Unders	tand the b tand the b	asics of cas asics of pla	sting and can ch stic working an	oose the be d can choos	est desig e the be	n and machinin est design and m	g meth nachini	nod for a v ing metho	workpiece. d for a workpiece.	
Rubric										
			Ideal Level			Standard Level			Unacceptable Level	
Achievem	ent 1		Can establish manufacturir casting.	a method f g products	for by	Can explain the methods.	e vario	us casting	Cannot explain the various casting methods.	
Achievem	ent 2		Can establish manufacturir	a method f	or brking.	Can explain the working metho	e vario ds.	us plastic	Cannot explain the various plastic working methods.	
Assigne	d Depar	tment Ob	jectives							
Teachin	a Metho	d	4							
Outline	5	Can expl Can expl Can expl Can expl methods	ain how to mak ain how to mak ain the defects ain the characto b).	e castings, t e castings ir of castings. eristics of pla	the requ n precisi astic wo	uirements, struct ion casting, die o prking (forging, r	cure ar casting olling,	nd types o and othe pressing,	of the molds. er casting methods. and other plastic working	
Style		Classes	will be held in a	lecture style	e, and t	here will be exer	cises a	and assigr	nments.	
Notice		Students	are required to the it.	re required to review what they learn and try to understand the content of the lecture, no it.				content of the lecture, not simply		
Charact	oristics	of Class /	Division in I	Aarning	103303 1	will not be eligible			•	
				earning					Instructor Professionally	
□ Active	Learning		□ Aided by	ICT		Applicable t	o Rem	ote Class	Experienced	
Course	Plan	1 1								
			Theme	Theme						
	1st Quarter	1st	Model material	ng, and mod		odel type, and	Learn	about ca	sting and models.	
		2nd	Mold I (sand m and mold)	old, shell mo	d, shell molding, special mod,			about sai	nd molds, shell molds, special lds.	
		3rd	Casting II (cast	ing method,	g method, and forming machine)			machines.		
		4th	Melting furnace furnace, and re	(cupola, ele	cupola, electric furnace, crucible erberatory furnace)			furnace and reverberatory furnace.		
		5th	(defects, and ir	ects in castings and inspection methods ects, and inspection methods)				about the stings.	e defects and inspection methods	
		6th	Metal for castin alloy, and light	asting (cast iron, cast steel, copper light alloy)			Learn about cast iron, cast steel, copper alloy, and light alloy.			
		7th	Special casting casting method	method I (d , vacuum de	lie castir egassing	ng, centrifugal g method, and	Learn about die cast vacuum degassing,		e casting, centrifugal casting, sing, and continuous casting.	
1st		8th	Summary. Midterm exam							
Semeste		9th	Overview of pla working; and cl	stic working naracteristic	(What of plast	is plastic tic working)	Learn about plastic working and its outline.			
		10th	Forging I (Wha forging, free for	is forging; ging, and m	hot forg	ging, cold ging)	Learn about the f		e features of forging, hot and cold rging, and mold forging.	
		11th	Forging II (forg materials)	ing machine	ery, and	forging	Learn about forging machinery and materials for forging.			
	2nd	12th	Rolling (What is steel, deforming roll)	rolling, rolli g of materia	ing mac I, and d	chine, rolling of eforming of	Learn about rolling, rolling machines, rolling of steel, deforming of materials, and deforming of rolls.			
	Quarter	13th	Press I (What is	a press?)			Learn about the outline of press and its characteristics.			
		14th	Press II (Types machine)	of press wo	rking, a	ind press	Learn about the types of press processing and press machines.			
		15th	Other plastic we molding, discha molding, and hi	orking methorge molding gh-speed fo	ods (exp , electro orging),	plosive omagnetic Summary	Learn moldi speec	about ex ng, electro I forging.	plosion molding, discharge omagnetic molding, and high-	
		16th	Final exam							
Evaluati	ion Meth	od and V	Veight (%)							

	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			Year	2024		C	ourse Title	Manufacturing Engineering II			
Course 1	Informat	tion									
Course Co	ode	6234			Course Catego	ry	Specialize	ed / Compulsory			
Class Forr	mat	Lecture			Credits	School Credit: 1					
Departme	ent	Mechani	al Engineering		Student Grade		2nd				
Term		Second S	Semester		Classes per We	eek	2				
Textbook Teaching	and/or Materials										
Instructor	-	KATOH T	akahiro								
Course	Objectiv	es									
1. Unders 2. Can un for a work 3. Unders	 Understand the basics of welding and can select the best design and machining method for a workpiece. Can understand the basics of cutting and the various machining methods, and can choose the best design and machining method for a workpiece. Understand the basics of grinding, and can choose the best design and machining method for a workpiece. 										
			Ideal Level		Standard Level			Unacceptable Level			
Achievem	ent 1		manufacturing welding.	a method for g products in	Can explain the methods.	e variou	ıs welding	Cannot explain the various welding methods.			
Achievem	ent 2		Can establish manufacturing cutting.	a method for products in	Can explain the cutting and the methods.	e theory variou	/ of s cutting	Cannot explain the theory of cutting and the various cutting methods.			
Achievem	ent 3		Can establish manufacturing grinding	a method for g products in	Can explain the and various cut	e grindi tting m	ng theory ethods.	 Cannot explain the grinding theory and various cutting methods. 			
Assigne	d Depar	tment Ob	jectives								
Teachin	a Metho	d									
Outline	<u> </u>	Students	are expected to	understand the properties of t	rinciple principles e effort to improv	s of var ve their	ious mac ability to	hining methods and the nature of adapt to machine production.			
Style		Classes	vill be held in a l	ecture style, and the	here will be exer	cises a	nd assign	ments.			
Notice		Students	are required to e it.	review what they l	learn and try to	underst	tand the o	content of the lecture, not simply			
Charact	orictics	f Class /	Division in L	arning	will flot be eligibl		/aluation.				
□ Active	Learning		Aided by I	CT	☑ Applicable t	o Remc	te Class	Instructor Professionally Experienced			
Course	Plan										
			Theme			Goals					
		1st	Welding overview	w, arc welding I (C	Overview of arc	Learn	about out	lines of welding and arc welding.			
		2nd	Arc welding II (S arc welding)	Sheathed arc weldi	ng, and gravity	Learn about sheathed and gravity arc welding.					
		3rd	Arc welding III (arc welding, and	III (Sub-merge arc welding, Inert gas			Learn about sub-merge arc welding, inert gas arc welding and carbon dioxide welding.				
		4th	Gas welding			Learn	about gas	s welding.			
	3rd Quarter	5th	Resistance weldi welding, sewn w	welding (point welding, protrusion wn welding, butt welding, and spark							
		6th	Other kinds of w frequency weldir welding, and fric	elding (electroslag ng, arc stud weldin tion pressure weld	welding, high g, gas pressure ling)	Learn about electroslag welding, high frequency welding, arc stud welding, gas pressure welding and friction pressure welding.					
		7th			welding of	Learn a weldin	Learn about the nature of the weld zones and the welding of various materials.				
2nd Semeste		8th	Midterm exam								
r		9th	Cutting overview mechanism, chir	, cutting theory I (s, built-up edge)	(cutting	Learn about cutting mechanisms, chips, and built-					
		10th	Cutting theory II	(cutting resistanc	e, and cutting	Learn a	Learn about cutting resistance and cutting				
		11th	Cutting theory II	II (tool materials)		Learn about tool materials.					
		12th	Cutting theory I	/ (tool damage, to	ol life,	Learn	about too	l damage, tool life, theoretical			
	4th Quarter	13th	Various machine machines, millin shaping machine	e tools (lathe mach g machines, planin es, vertical milling i	ines, drilling g machines, machines, and	Learn a milling machir	oughness, and cutting fluids. earn about lathe machines, drilling machines, nilling machines, planing machines, shaping machines, vertical milling machines, and				
		14th	Overview of grin arinding mechan	ding, grinding theo	ory, and	Learn	about grii about grii	nding, grinding theory, and nism.			
		15th	Grinding stone, o machine Summary	dressing and truing	g, and grinding	Learn about grinding stone, dressing and truing, and grinding machines.					

		16th	Final exam						
Evaluation Method and Weight (%)									
		Exa	amination	Report	Attendance · Behavior · Presentation	Total			
Subtotal		60		30	10	100			
Basic Prof	iciency	0		0	0	0			
Specialize	d Proficienc	cy 60		30	10	100			
Cross Are	a Proficienc	y 0		0	0	0			