То	yan	na College		Contr Engin	ol Info eering	rmat Cou	ion Sys rse	stems	Year	•	202	1		
De	par	tment Goals							•		•			
		Information Systems Enics and networksand w	-	-								nologies for s	oftware,elec	tricity /
Coı	ırs		Cours	Credit	Credit	Class	s Hours p				2nd Y		Instru	Divisio n in
e Cat ory	eg	Course Title	e Code	Type	S	1st 1Q	2Q	2nd 3Q	4Q	1st	2Q	2nd 3Q 4Q	ctor	Learni ng
Ge ne ral	Co m pu Iso	Advanced English Practicum I	0007	Acade mic Credit	2	2							Moana nu Charlt on	
Ge ne ral	Co m pu Iso ry	Advanced English Practicum II	0008	Acade mic Credit	2			2					Moana nu Charlt on	
Ge ne ral	El ec tiv e	Advanced English Workshop	0009	Acade mic Credit	2	2							Nishih ara Masah iro	
Sp eci ali ze d	El ec tiv e	Shock Compression and Blast Wave	0001	Acade mic Credit	2	2							Homa e Tomot aka	
Sp eci ali ze d	Co m pu lso ry	Thesis Research I	0002	Acade mic Credit	2	2							Shina Toru,A kiguch i Shuns uke,M atoba Ryuich i,Ogu ma Hirosh i,Tsuk ada Akira,I to Nao,M izumot o Iwao, Aso Tsuka sa,Yos hii Yotsu mi,Fur uyama Shoich i	
Sp eci ali ze d	Co m pu lso ry	Thesis Research I	0003	Acade mic Credit	2			2					Shina Toru,A kiguch i Shuns uke,M atoba Ryuich i,Ogu ma Hirosh i,Tsuk ada Akira,I to Nao,M izumot o Iwao, Aso Tsuka sa,Yos hii Yotsu mi,Fur uyama Shoich i	

Sp eci ali ze d	El ec tiv e	Advanced Communication Engineering	0004	Acade mic Credit	2	2	Ogum a Hirosh i
Sp eci ali ze d	El ec tiv e	Instrument and Control Programming	0005	Acade mic Credit	2	2	Mizum oto Iwao
Sp eci ali ze d	El ec tiv e	Quantum Electronics	0006	Acade mic Credit	2	2	Yoshii Yotsu mi
Sp eci ali ze d	Co m pu iso ry	Technical English	0010	Acade mic Credit	2		Moana nu Charlt on,Ma toba Ryuich i,Yoshi i Yotsu mi,Na katani Toshih iko,Ky oden Tomo aki
Sp eci ali ze d	El ec tiv e	Advanced Business Strategy	0011	Acade mic Credit	2	2	Miyash ige Tetsuy a
Sp eci ali ze d	El ec tiv e	Regional Industry	0012	Acade mic Credit	2	2	,
Sp eci ali ze d	El ec tiv e	Management of Technology	0013	Acade mic Credit	2	2	Kiyosh i Takeh aru
Sp eci ali ze d	El ec tiv e	Information Processing	0014	Acade mic Credit	2	2	Akiguc hi Shuns uke
Sp eci ali ze d	El ec tiv e	Object-oriented Programing	0015	Acade mic Credit	2	2	Hayas e Yoshik azu
Sp eci ali ze d	El ec tiv e	Advanced Computational Engineering	0016	Acade mic Credit	2	2	Furuy ama Shoich i
Sp eci ali ze d	El ec tiv e	Intelligent Information Processing	0017	Acade mic Credit	2	2	Akiguc hi Shuns uke
Sp eci ali ze d	Co m pu lso ry	Advanced Applied Mathematics	0018	Acade mic Credit	2	2	Sakur ai Hideto
Sp eci ali ze d	Co m pu lso ry	Advanced Applied Physics	0019	Acade mic Credit	2	2	Ohtak e Yukiko
Sp eci ali ze d	El ec tiv e	Seminar on Mathematics and Physics Application	0020	Acade mic Credit	2	2	Ito Nao

eci r ali r ze li	Co m pu lso ry	Advanced Experiments	0021	Acade mic Credit	2	2	Shina Toru,A kiguch i Shuns uke,M atoba Ryuich i,Ogu ma Hirosh i,Tsuk ada Akira,I to Nao,M izumot o Iwao, Aso Tsuka sa,Yos hii Yotsu mi,Fur uyama Shoich i
eci r ali r ze li	Co m pu lso ry	Advanced Experiments	0022	Acade mic Credit	2	2	Tsuka da Akira,I to Nao,M izumot o Iwao, Aso Tsuka sa,Yos hii Yotsu mi
Sp (ceci rali pze la	Co m pu lso ry	Advanced Seminars and Exercises	0023	Acade mic Credit	2	2	Shina Toru,A kiguch i Shuns uke,M atoba Ryuich i,Ogu ma Hirosh i,Tsuk ada Akira,I to Nao,M izumot o Iwao, Aso Tsuka sa,Yos hii Yotsu mi,Fur uyama Shoich i
Sp (eci r ali r ze !! d r	Co m pu lso ry	Advanced Seminars and Exercises	0024	Acade mic Credit	2		Tsuka da Akira,I to Nao,M izumot o Iwao, Aso Tsuka sa,Yos hii Yotsu mi

Sp eci ali ze d	El ec tiv e	Internship B Internship A	0025	Acade mic Credit Acade mic Credit	2	2	Furuy ama Shoich i,Hseg awa Hirosh i,Kyod en Tomo aki Yoshii Yotsu mi,Hs egawa Hirosh i
Ge ne ral	El ec tiv e	Japanese Language and Literature	0035	Acade mic Credit	2		Kondo Shugo ,Kubo Yoko
Ge ne ral	El ec tiv e	Regional Studies	0037	Acade mic Credit	2	2	Yokota Kazuhi ro
Ge ne ral	El ec tiv e	Health Science	0038	Acade mic Credit	2		Ohashi Chisat o
Ge ne ral	El ec tiv e	Industrial Society	0039	Acade mic Credit	2		Hsega wa Hirosh i
Ge ne ral	El ec tiv e	Culture Studies of Japan Sea Rim Countries	0040	Acade mic Credit	2		Miyaza ki Izumi
Sp eci ali ze d	Co m pu iso ry	Engineering Ethics/Business Ethics	0027	Acade mic Credit	2		Yokota Kazuhi ro,Tsu kada Akira, Matsu bara Yoshih iro
Sp eci ali ze d	El ec tiv e	Parameter Design	0028	Acade mic Credit	2		Mizuta ni Junno suke
Sp eci ali ze d		Manufacturing System	0029	Acade mic Credit	2		Yama moto Keiichi ro
Sp eci ali ze d	El	Introduction to Geoscience	0030	Acade mic Credit	2		Fukud ome Kenich i
Sp eci ali ze d	Co m pu Iso ry	Thesis Research I	0031	Acade mic Credit	5	5	Shina Toru,A kiguch i Shuns uke,M atoba Ryuich i,Ogu ma Hirosh i,Tsuk ada Akira,I to Nao,M izumot o Iwao, Aso Tsuka sa,Yos hii Yotsu mi,Fur uyama Shoich i

							Shina Toru,A kiguch i Shuns uke,M atoba
Sp eci ali ze d	Co m pu iso ry	Thesis Research II	0032	Acade mic Credit	5	5	Ryuich i,Ogu ma Hirosh i,Tsuk ada Akira,I to Nao,M izumot o Iwao, Aso Tsuka sa,Yos hii Yotsu mi,Fur uyama
Sp eci ali ze d	El ec tiv e	Advanced Electromagnetic Waves	0033	Acade mic Credit	2		Shoich i Shina Toru
Sp eci ali ze d	El ec tiv e	Trade Procedure in Port	0034	Acade mic Credit	2		Okam oto Katsu nori
Sp eci ali ze d	El ec tiv e	Port Logistics	0036	Acade mic Credit	2		Okam oto Katsu nori
Sp eci ali ze d	El ec tiv e	International Relations	0041	Acade mic Credit	2		Ebihar a Tsuyo shi
Sp eci ali ze d	El ec tiv e	Biological Information Engineering	0042	Acade mic Credit	2		Tsuka da Akira
Sp eci ali ze d	El ec tiv e	Network System	0043	Acade mic Credit	2		Aso Tsuka sa

Тс	yama C	ollege	Year	2021			ourse Title	Advanced English Practicum I
Course	Informa	tion	·					
Course Co	ode	0007			Course Catego	ry	General /	Compulsory
Class Forr	mat	Lecture			Credits		Academic	Credit: 2
Departme	ent	Control I Course	Information Syste	ems Engineering	Student Grade Adv. 1st			
Term		First Ser	nester		Classes per We	eek	2	
Textbook		TOEIC L	stening and Read	ding, 書き込みドリル	ル. 桐原書店			
Teaching Instructor			ı Charlton					
	Objectiv	<u> </u>	<u>a Charlton</u>					
(1) Acquir e-mails, c (2) To im (3) To im	re advance harts, adv prove reac prove liste	ed, technica ertisement ling efficien ning efficie	s or letters. icy. ncy	rd collocations, ex wide range of top		chunks	s necessar	y to read a basic business reports,
Rubric								
			Estimated idea level (high) 80%	al achievement				Estimated unachieved level (Fail) <60%
Goal 1: Technical Vocabulary: words (including accent), word collocations, expression and word chunks				y comprehends bulary covered in	Student partial technical vocat the textbook.			Student is unable to comprehend technical vocabulary covered in the textbook.
Goal 2: Reading efficiency:				arly able to read comprehend the	Student is part efficiently and material.	ially ab compre	le to read chend the	Student is unable to read efficiently and comprehend the material.
Goal 3: L	istening ef	fficiency:		arly able to listen comprehend the				Student is unable to listen efficiently and comprehend the material.
Goal 4: Presentation skills: English, Content, Delivery, Q & A.			well-structure presentations attention to E	paying careful nglish, Content, Q & A. and other	Student is partially able to give a well-structured and logical presentations paying careful attention to English, Content, Delivery and Q & A. and other required elements.			Student is unable to give a well- structured and logical presentations paying careful attention to English, Content, Delivery and Q & A. and other required elements.
	d Depar ゚゚゚ポリシー (tment Ob C-1	jectives					
	a Metho	d						
Outline	<u></u>	(1) This textbook (2) Stud studying (3) TOEI (4) Teac *This cla	ents will build the the 20 Units in t C test taking stra hing skills and m lss will be led by	eir English vocabul the textbook. ategies for each se ethods on how to	ary, word colloc ection of the test give Technical P icensed in TESOI	ations, (7) wi resenta L (Tead	useful exp Il be introcations in E ching Engli	ough targeted drills in the pressions and word chunks by luced. nglish. sh to Speakers of Other
Style		land supp	plement it with o	ther authentic mat	erial. The teach	er will i	introduce i	er will use the textbook as a basis useful and effective web s achieve their English educational
Notice		Students	ucted. Students v	attend all classes. vill do speaking pro	Tests, including ojects individual	word y, in p	quizzes or airs and in	vocabulary in the textbook, will groups. This syllabus is subject
Charact	eristics o		Division in Le	earning				
☑ Active		1	☑ Aided by I		☑ Applicable t	o Rem	ote Class	☐ Instructor Professionally Experienced
Course	Dlan							
Course	ridíl		Theme			Goals		
		1st		er self-introduction	n-Quiz / Day 1.	Syllab self in	troduction	ntion. TOEIC pre-test./Teacher -Kahoot Quiz. Introduction of
		2nd		d) / Speaking 1. st	udent	studer	nts 1~20 /	ective presentations"/ Day 1 Day 1, related speaking, g exercises
1st 1	1st		Day 1 (cont.)		/T	exérci	ses	peaking, listening, reading
Semeste r	Quarter	4th	Day ∠ "Travel and of Speaking 2. N	nd Business Trip" / ews Flash present	ntroduction ation.	Day 2 exerci	, reiated s _i ses / Preb	peaking, listening, reading for "NewsFlash" project.
		E+h		entations. Day 3 "(Dav 3	, related s	peaking, listening, reading nts 1~5 presentations,
			· · · · · · · · · · · · · · · · · · ·	entations (cont) , I		exerci	ses / stude	
		7th	News Flash prese Routine 2"	entations (cont.), I	Day 4 "Office	Day 4, related speaking, listening, reading exercises. / students 11~15		

		8th	News I of Day	Flash presentations s 1~4)	(cont.), Day 5 (R	eview	Day 5, relate exercises / s	ed speaking, lister tudents 16~20.	ning, reading		
		9th	Test 1.				Units 1~5 Test (Midterm).				
		10th	Speaki would	ng 3-Group Project like to visit the mo	: 1 "The Country W st"	'e	Speaking 3-Group Project 1 Explanation and preparation.				
		11th	Speaki	ng 3-Group Project	1 presentation		Speaking 3-0	Groups 1~5 prese	entation/evaluation		
	2nd			"Job openings and	Recruitment.		Day 6, relate exercises./ C questions	ed speaking, lister Class discussion o	ning, reading f homework		
				"Personnel Affairs"			Day 7, relate exercises./ C questions	ed speaking, lister Class discussion o	ning, reading f homework		
	14th		Day 8	"Conference and Pi	resentation Semina	ır	Day 8, related speaking, listening, reading exercises./ Class discussion of homework questions				
		15th	期末試	験			Units 6~8				
		16th	Day 9	"Business"			Day 9, relate exercises./ C questions	Day 9, related speaking, listening, reading exercises./ Class discussion of homework questions			
Evaluati	ion Meth	nod and	Weigh	t (%)			•				
		Midterm		Final test	Homework	Engli Prese Spea Activ	entation/ king	word quizzes	Total		
Subtotal		35		35	5	20		5	100		
Reading		10		10	1	0		1	22		
Listening		5 5 1 0		0		1	12				
Grammar	ar 10 10 1 2		2		1	24					
Writing	riting 10 10 1			1	3		1	25			
Speaking		0		0	1	15		1	17		

To	oyama C	olleae	Year	2021		С	ourse	Advanced English	
	Informa			1			Title	Practicum II	
Course Co		0008			Course Categor	ry	General ,	Compulsory	
Class Forr		Lecture			Credits	•	1	c Credit: 2	
Departme	ent	Control In	formation Syste	ems Engineering	Student Grade		Adv. 1st		
Term		Second Se	mester		Classes per We	eek	2		
Textbook Teaching	and/or Materials	TOEIC テス	スト書き込みドリ	ル. 桐原書店, 英語	多読図書(後期)				
Instructor		Moananu (Charlton						
Course	Objectiv	es							
e-mails, c (2) To im (3) To im	harts, adv prove read prove liste	rertisements of ding efficiency ening efficiency	or letters. /. cy	rd collocations, ex wide range of top		chunk	s necessar	y to read a basic business reports,	
Rubric			ı		T			1	
			Estimated idea level (high) 80%	al achievement	Estimated stan achievement le (moderate) 60	evel		Estimated unachieved level (Fail) <60%	
Goal 1: Technical Vocabulary: words (including accent), word collocations, expression and word chunks				y comprehends bulary covered in	Student partially comprehends technical vocabulary covered in the textbook.			Student is unable to comprehend technical vocabulary covered in the textbook.	
Goal 2: R	eading effi	ciency:		arly able to read comprehend the	Student is partially able to read efficiently and comprehend the material.			Student is unable to read efficiently and comprehend the material.	
Goal 3: L	istening e	fficiency:		arly able to listen comprehend the	Student is partially able to listen efficiently and comprehend the material.				
	resentation Content, Do	n skills: elivery, Q &	well-structured presentations attention to Er	paying careful nglish, Content,) & A. and other	Student is partially able to give a well-structured and logical presentations paying careful attention to English, Content, Delivery and Q & A. and other required elements.			Student is unable to give a well- structured and logical presentations paying careful attention to English, Content, Delivery and Q & A. and other required elements.	
Assigne	d Depar	tment Obj	ectives						
ディプロマ JABEE C1	アポリシー (C-1							
	g Metho	d							
Outline		textbook. (2) Studer studying tl (3) TOEIC (4) Teachi *This class	nts will build the he 20 Units in t test taking stra ng skills and m s will be led by	eir English vocabul he textbook.	ary, word colloca ction of the test give Technical P icensed in TESOI	ations, (7) wi resent L (Tead	useful ex II be intro ations in E ching Engl	rough targeted drills in the pressions and word chunks by duced. inglish. ish to Speakers of Other	
Style		and supple	ement it with of	eek for 90-minute her authentic mat e aims of this clas	erial. The teach	je lab. er will	The teach introduce	er will use the textbook as a basis various web applications including	
Notice		Students a	are expected to ted. Students v	attend all classes. vill do speaking pro	Tests, including	word	quizzes or	n vocabulary in the textbook, will	
Charact	eristics	<u> </u>	Division in Le			,, <u>p</u>		. <u>9</u> . • • • • • • • • • • • • • • • • • • •	
☑ Active	Learning		☑ Aided by IO	T	☑ Applicable to	o Rem	ote Class	☐ Instructor Professionally Experienced	
Course	Plan								
		Т	heme			Goals			
			ay 10 Review. (nterview.	(Days 6~9) / Spea	ıking 4 Pair	exerci	ses./ Spea	speaking, listening, reading aking 4.To be announced.	
		2nd D	ay 11."Advertis	ements" / Speakir	ng 4 (cont.)	exerci	1, related ses. Spea	speaking, listening, reading king 4, preparation.	
		3rd D	ay 12 "Magazin , Pair interviews	es, Newspaper, M s.	edia / Speaking			speaking, listening, reading interviews.	
2nd Semeste	3rd Quarter			cions and Contract	s"		3, related	speaking, listening, reading	
r	Quarter	5th D	ay 14 "Finance,	Accounting, Com	pensation"	Day 1 exerci		speaking, listening, reading	
		6th D	ay 15 "Days 11	~14 Review"		Day 1 exerci		speaking, listening, reading	
		t -	est 3.				11~15 tes		
			hristmas movie port"	ristmas movie. Writing 1. "Writing a movie			Christmas movie. Writing 1. "Writing a movie report"		

		9th	Day 16	5 "Sales and Marke	ting"		Day 16, rela exercises,	ited speaking, list	ening, reading			
		10th	Day 17	7 "Manufacture and	l Production"		Day 17, rela exercises,	Day 17, related speaking, listening, reading exercises,				
		11th	Speaki	ng 5, "Our Unicorn	"		Speaking 5,	Explanation and	oreparation			
	4th 12th		Speaki	ng 5 (cont.) Preser	ntations		Speaking 5	(cont.) Presentati	ons			
	Quarter	13th	Day 18	3 "Merchandise"			18, related s	18, related speaking, listening, reading exercises,				
		14th	Day 19 "Revie	9 "Repair, Maintena w, Days 16~19"	nce, Problems" ,	/ Day 20	19, related s / 20, related exercises,	19, related speaking, listening, reading exercises, / 20, related speaking, listening, reading exercises,				
		15th	Test 4	•			Days 16~20	test.				
		16th	results	and consolidation.			results and	consolidation.				
Evaluat	ion Meth	nod and	Weigh	t (%)								
		Midterm		Final test	Homework	Engli Prese Spea Activ	entation/ king	word quizzes	Total			
Subtotal		35		35	5	20		5	100			
Reading		10		10	1	0		1	22			
Listening		5		5	1	0		1	12			
Grammar		10		10	1			1	24			
Writing		10		10	1	3		1	25			
Speaking		0		0	1 15		·	1	17			

To	oyama C	College	Year	2021		Course Title	Advanced English Workshop		
Course	Informa	tion		•		•	•		
Course Co	ode	0009			Course Category	/ General	/ Elective		
Class For	mat	Lecture			Credits	Academi	c Credit: 2		
Departme	ent	Control	Information Syste	ems Engineering	Student Grade	Adv. 1st			
Term		First Se	mester		Classes per Wee	Veek 2			
Textbook		Stens to	Academic Preser	ntations Fihosha					
I eaching Instructor	Matérials r	+	ra Masahiro	Tractionis, Emiosita					
Course	Objectiv	'es							
2. To lear	rn to creat	e effective	ear outline presen power point slide ctive presentation	ntation abstracts ar s in English. n in English.	nd manuscripts in	English.			
Rubric									
			Ideal Level of (Very Good)	Achievement	Standard Level (Good)		Achievement (Fail)		
	bstracts ar tion manus		an clear outlin	able to write with ne presentation manuscripts in	Students are ab an outline of a c of clearness pre abstracts and m English.	ertain amount sentation	Students are not able to write with an outline presentation abstracts and manuscripts in English.		
English p	ower point	slides	Students are a effective power English.	able to create er point slides in	Students are ab a certain amour effectiveness po in English.	nt of	any offective power point clides		
Performir English	ng a prese	ntation in	Students are a presentation e English.	able to perform a effectively in	Students are ab presentation wit amount of effectinglish.	h a certain	Students are not able to perform any effective presentation in English .		
Assigne	ed Depar	tment O	bjectives						
	マポリシー	C-1							
JABEE C1	ng Metho								
reaciiii	ig Metric		ırse aims at helni	na students an thr	rough a series of r	processes in wh	ich English presentations are		
Outline		complet	ed. It is importan	it that students ha	ve such experiend	ce so that they	will become independent in		
Style		Classes	are conducted ba k. They are requir	sentations in Engli used on students' a red to submit such ased on these assi	active engagemen things as abstrac	ts with the rele	vant tasks designated by the s, presentation slides each class.		
Notice				e needed to compl	J	ntioned tasks in	class.		
Charact	teristics		/ Division in Le						
	Learning		☐ Aided by I		☐ Applicable to	Remote Class	☐ Instructor Professionally Experienced		
Course	Plan	1	T						
			Theme			Goals			
		1st	Unit 1: Academic	presentaions		writing up seir- and academic p	introduction, academic interests ursuits		
		2nd	Unit 2: Presenta	tions	ļ	Making explicit earning about s	a topic, a reason, and expected students' area of research		
		3rd	Unit 3: Abstracts	;	\	Writing a title, a	a researcher's information, estion, method, results and		
	1st Quarter	4th	Unit 4: Presenta			Writing an intro	uction to the manuscripts, ound, issues or gaps, and a		
	1			tion manuscripts (1) i	ncluding backg ourpose	round, issues or gaps, and a		
ı		5th	Unit 5: Presenta	tion manuscripts (tion manuscripts (1) i	ncluding backg ourpose	of the manuscript, including ethods, and results		
1st		5th 6th			1) i I 2) ; 3) ;	ncluding backg ourpose Writing a body oarticipants, me Writing a conclu	of the manuscript, including ethods, and results		
1st Semeste r				tion manuscripts (: tion manuscripts (:	1) i j j j j j j j j j	ncluding backg ourpose Writing a body oarticipants, me Writing a conclu Practising chun	of the manuscript, including ethods, and results usion for the manuscript and reproducing a manuscript and reproducing		
Semeste		6th	Unit 6: Presenta	tion manuscripts (: tion manuscripts (:	1) i j j j j j j j j j	ncluding backg ourpose Writing a body participants, me Writing a conclu Practising chun t based on the	of the manuscript, including ethods, and results usion for the manuscript and reproducing a manuscript and reproducing		
Semeste		6th 7th	Unit 6: Presental	tion manuscripts (: tion manuscripts (: ;	1)	ncluding backg ourpose Writing a body participants, me Writing a conclu Practising chun t based on the Creating an effe	of the manuscript, including sthods, and results usion for the manuscript and reproducing chunks		
Semeste		6th 7th 8th	Unit 6: Presental Unit 7: Chunking Unit 8: Visuals (3) Unit 8: Visuals (3)	tion manuscripts (: tion manuscripts (: ;	1)	ncluding backg ourpose Writing a body participants, me Writing a concluder concluder to the concluder to th	of the manuscript, including ethods, and results usion for the manuscript exing a manuscript and reproducing chunks ective power point slides in English ective power point slides in English		
Semeste	2nd	6th 7th 8th 9th	Unit 6: Presental Unit 7: Chunking Unit 8: Visuals (3 Unit 8: Visuals (3 Unit 9: Delivery	tion manuscripts (: tion manuscripts (: 1) 2)	1)	ncluding backg ourpose Writing a body participants, me Writing a concluder Practising chunt t based on the Creating an effect Creating an effect Practising the prefine the manual our participant Practising the prefine the manual our participant prefine the manual prefine the manual prefine prefine the manual prefine prefine prefine the manual prefine the manual p	of the manuscript, including ethods, and results usion for the manuscript king a manuscript and reproducing chunks ective power point slides in English ective power point slides in English ronunciation of difficult words, and ascript into a complete version		
Semeste	2nd Quarter	6th 7th 8th 9th 10th	Unit 6: Presental Unit 7: Chunking Unit 8: Visuals (Unit 8: Visuals (Unit 9: Delivery Unit 10: Questio	tion manuscripts (: tion manuscripts (: 1) 2) and Pronunciation	1)	ncluding backg ourpose Writing a body participants, me Writing a concluder Practising chund t based on the Creating an effect Creating an effect Practising the prefine the manu- Writing 'remem understanding	of the manuscript, including ethods, and results usion for the manuscript king a manuscript and reproducing chunks ective power point slides in English ective power point slides in English required and difficult words, and		
Semeste	-	6th 7th 8th 9th 10th	Unit 6: Presental Unit 7: Chunking Unit 8: Visuals (3 Unit 8: Visuals (3 Unit 9: Delivery Unit 10: Questio Unit 11: Questio	tion manuscripts (tion manuscripts () 1) 2) and Pronunciation ns and answers (1	1)	ncluding backgourpose Writing a body participants, me Writing a conclustration of the Creating an effect of the Creating an effect of the Mriting the prefine the manuferstanding Writing 'analyzi Writing 'evaluated outpose of the Creating and the Mriting 'analyzi writing 'evaluated outpose of the Mriting 'analyzi writing 'evaluated outpose of the Mriting 'analyzi writing 'evaluated outpose outpo	of the manuscript, including ethods, and results usion for the manuscript king a manuscript and reproducing chunks ective power point slides in English ronunciation of difficult words, and ascript into a complete version bering questions' and questions', and answering them		

	15th I	Final assessment			Assessment base	d on the assignm	nents			
	16th	Reflection			Reflection on the products and performance by students					
Evaluation M	Evaluation Method and Weight (%)									
	Examination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total			
Subtotal	0	10	0	30	60	0	100			
Basic Ability	0	0	0	10	10	0	20			
Technical Ability	0	10	0	10	30	0	50			
Interdisciplinar y Ability	0	0	0	10	20	0	30			

To	oyama C	College	Year	2	2021			Course Title	Shock Compression and Blast Wave		
Course	Informa	tion									
Course Co	ode	0001				Course Categor	γ	Specializ	red / Elective		
Class For	mat	Lecture				Credits		Academi	ic Credit: 2		
Departme	ent	Control I Course	information Sys	stem	s Engineering	Student Grade		Adv. 1st			
Term		First Sen	nester			Classes per Week 2					
Textbook Teaching	and/or Materials	Materials	s will be prepar	red b	y the instructor.						
Instructo		Homae T	Tomotaka								
Course	Objectiv	es es									
of impact 2. Fundar pressure. 3. Unders	paramete mental the standing o	ers. eory, analysi f effect arou	is and applicati	ion fo	or shock compre	ession of solids. C	Calcu	lation of re	view of shock physics. Calculation quired parameters, such as shock d mitigation of damages by the		
Rubric		'	•	,							
			Ideal Level		hievement	Standard Level	of A	chievement			
			(Very Good) Can explain phenomena clearly			(Good)			Achievement (Fail) Can not explain phenomena and		
Evaluation 1			and obtain of immediately	calcu /.	lated results ´	Can explain phe obtain calculate	enon ed re	nena and sults.	can not obtain calculated results.		
Evaluatio	n 2		Can explain phenomena clearly and obtain calculated results immediately. Can explain p obtain calculated results obtain calculated results obtain calculated results obtain calculated results.			Can explain phe obtain calculate	enon ed re	nena and sults.	Can not explain phenomena and can not obtain calculated results.		
Evaluatio	n 3		Can explain phenomena clearly and obtain calculated results immediately. Can explain phenomena clearly can explain phenomena clearly can explain phenomena clearly and obtain calculated results.			enon ed re	nena and sults.	Can not explain phenomena and can not obtain calculated results.			
Assigne	d Depar	tment Ob	jectives								
ディプロマ JABEE B4	マポリシー	B-4									
	ng Metho										
Outline		materials by hyper energy n most of t	s classes. Then velocity impac naterials, such the materials a	n, fun t, wi as h are w	damental theor Il be introduced. igh explosives, a ritten in English	y, analysis and a In latter part of and mitigation of , students can er	pplic this dan mpiri	cation for sh course, effo nages by th ically learn	damental physics and strength of nock compression of solids, induced ect around explosion of high e explosion will be discussed. As how to read English materials.		
Style		Students A knowle	s consists of lecture, reading English materials, teaching each other, and solving exercises etc. are required to work on home work every week. edge of college-level physics is a prerequisite for this lecture. 34, [JABEE基準1(2)] d(3)								
Notice		The reco	gnition of cred	年1(2	quires 60 points	or more rating.					
Charact	eristics	of Class /	Division in	Lea	rning	I					
☑ Active	Learning		☑ Aided by	ICT		☑ Applicable to	o Rei	mote Class	☑ Instructor Professionally Experienced		
Course	Plan										
			Theme				Goa	ls			
			Orientation Fundamental i	mpa	ct phenomena I		learı	ning metho	of course structure, evaluation, d. of elastic and non-elastic collision.		
		2nd	Fundamental i	mpa	ct phenomena II	i			of strain energy and shock stress.		
		3rd	Fundamental i	mpa	ct phenomena II	II	Und	erstanding	of other issues related		
		4th			of solids by pyr	pervelcoty	Und		npact phenomena. of shock compression of solids by		
1st	1st Quarter	5th		nal ar	nalysis of shock	compressed	Und	erstanding ck compress	of one dimensional analysis of sed solids using conservation laws entum, and energy.		
Semeste r		6th	One dimensior solids II	nal ar	nalysis of shock	compressed	App		heory, learned in 5th week, to		
		7th	Hugoniot comp	press	ion curve		pres	ssure od sho	of relation between density and ock compressed solids.		
		8th	Impedance ma	atchii	ng method		com	lysis of shoo pression cu hod.	cked state by Hugoniot Irve and impedance matching		
	2nd	9th	Typical experir compression a	ment nd it	al method of sho s results	ock	Und	erstanding ck compress	of typical experimental method of sion and its results.		
Ouarter		10th	Explosion and type of explosives				Understanding of Explosion and type of explosives.				

	11th	Effect of blast waves an explosion	d fragments around	Understanding of ef waves and fragmen	fect and damage of blast ts around explosion.	
	12th	Experimental method for effect	or evaluation of blast-wave	Understanding of experimental method for evaluation of blast-wave effect.		
	13th	Mitigation of blast wave	es	Understanding of m waves and damages	itigation method for blast s.	
	14th	Experimental method for	or evaluation of fragments	Understanding of ex evaluation of high v	perimental method for elocity fragments.	
	15th	Final examination		Final examination.		
	16th	Review of final examina	tion	Review of final examination.		
Evaluation M	lethod and	Weight (%)				
		Examination	Homework	To	otal	
Subtotal		50	50	10	00	
Basic Ability		0	0	0		
Technical Ability	/	50	50	10	00	

Toyama Co	llege	Year	2021		Course Title	Thesis Research I		
Course Informati	on							
Course Code	0002			Course Category	Specialize	ed / Compulsory		
Class Format	 ' 	t / Practical trai		Credits	Academic	Credit: 2		
Department	Control Inf Course	ormation Syste	ms Engineering	Student Grade	Adv. 1st			
Term	First Seme	ster		Classes per Week 2				
Textbook and/or Teaching Materials								
Instructor	Shina Toru	,Akiguchi Shun	suke,Matoba Ryui Iruyama Shoichi	chi,Oguma Hiroshi,	Tsukada Akira	a,Ito Nao,Mizumoto Iwao,Aso		
Course Objective	•	551111 TOE5G1711,1 C	arayama Sholem					
Following three eleme	ents are edu est, design a problems b	and construct re by their fundam	elated systems su ental and specific	ch as software, har	velopment. rdware and ne	etwork with considering a social		
Rubric								
		Ideal Level of A	Achievement	Standard Level of	Achievement	Unacceptable Level of Achievement)		
(Research work 1) Backgrounds, purpos methods, contents, re discussion and future included.	es, esults, tasks are	All elements ar	e included.	Acceptable conter	nts.	Lacks of contents.		
(Research work 2) Expression of statement and tabular.	ent, figures	Acceptable exp	ression.	Almost acceptable	e expression.	Unacceptable and lack of expression.		
(Research work 3) The expression of bacand purposes.	ckgrounds	Acceptable exp	ression.	Almost acceptable	e expression.	Unacceptable and lack of expression.		
(Research work 4) Methodology		Acceptable me	thodologies.	Almost acceptable methodologies.	9	Unacceptable methodologies.		
(Research work 5) Logical Structure		Reasonable log	ical structure.	Almost reasonable structure.		Not reasonable logical structure		
(Research work 6) Critical Thinking		Reasonable dis	easonable discussion. Almost reasonable discussion.		Unacceptable discussion.			
(Research work 7) Varesults	alidity of	Cleared and va expressed.	lid results are	Almost valid resul expressed.	ts are	Unacceptable results.		
(Research work 8) Future works		Valid future pla Clear solutions	in and schedule. Acceptable plan and schedule			Unacceptable plan.		
(Presentation 1) (1)B (2)Purpose (3)Methor (4) Contents (5) Result and Discus	dology	Reasonable structure. Acceptable struc			ure	Unacceptable structure		
(Presentation 2) Suitable expression o sentences and figures		Reasonable ser figures.	ntences and	Acceptable senter figures.	nces and	Unacceptable sentences and figures		
(Presentation 3) Logical structure		Reasonable log	ical structure	Almost reasonable	e structure	Not reasonable logical structure		
Assigned Departr	nent Obje	ectives						
ディプロマポリシー C- JABEE C3	3							
Teaching Method								
For special research topics related to the same control information system through major departments 1 and 2 years, under the supervisor, acquire the method of literature survey, experimental / theoretical analysis method, evaluation method, and nurture research promotion ability. In line with each concrete theme, increase the comprehensive research capability through investigation and education of required knowledge necessary for application, application to problem solving, analysis and evaluation of the results obtained. We will summarize and present the research results we have worked on in Special Study I. [Control] C3 [JABEE Standard 1 (2)] (f) (g)								
Style	In each lab Classification	oratory, condu- on method, mu	ct research under Itiple faculty char	the guidance of the	e main deputy	supervisor advisor.		
Notice	One chief e contents of instructions	examiner and tw f the presentation	vo sub-investigate on and the status evaluation of 50	of activities based	y evaluated the on the evalua	e content of the thesis, the tion criteria table (total table 80%, an effort status of 20%,		
Characteristics of	Class / D	ivision in Le	arning					
☑ Active Learning		☑ Aided by IC	Т	☑ Applicable to R	Remote Class	☐ Instructor Professionally Experienced		
Course Plan	I			I.a.	1-			
	ļ i r	neme		GC	oals			

	1	1	Τ							
		1st	Special Research			Determination of academic advisor		topics and		
		2nd	Special Research			Study in the field research subject (Survey, seminar implementation,	, assignment set	<i>'</i>		
		3rd	Special Research			Study in the field research subject (Survey, seminar implementation,	r, assignment set	<i>'</i>		
		4th	Special Research			Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning, implementation, report)				
	1st Quarter	5th	Special Research			Study in the field research subject (Survey, seminar implementation,	r, assignment set	· 1		
	6tl		Special Research			Study in the field research subject (Survey, seminar implementation,	r, assignment set	· 1		
		7th	Special Research			Study in the field research subject (Survey, seminar implementation,	, assignment set	<i>'</i>		
1st Semeste		8th	Special Research			Study in the field research subject (Survey, seminar implementation,	r, assignment set	′		
		9th	Special Research			Study in the field research subject (Survey, seminar implementation,	r, assignment set	<i>'</i>		
		10th	Special Research			Study in the field research subject (Survey, seminar implementation,	, assignment set	,		
		11th	Special Research			Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning, implementation, report)				
	2nd Quarter	12th	Special Research			Study in the field research subject (Survey, seminar implementation,	of specialization	,		
		13th	Special Research			Study in the field research subject (Survey, seminar implementation,	, assignment set	-		
	1		Special Research		Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning, implementation, report)					
		15th	Mid term presenta	tion		Review of studies sub-investigation		nts by chief and		
		16th	Score checked			- Secretarion	-			
Evaluati	ion Meth	•	Weight (%)			•				
	Ch	ief and sub	 					Total		
Subtotal	10		0	0	0	0	0	100		
Research			0	0	0	0	0	30		
Presentat			0	0	0	0	0	50		
Effort	20		0	0	0	0	0	20		

Toyama Co	lleae	Year	2021		Course	Thesis Research I		
Course Information			1		Title	, , , , , , , , , , , , , , , , , , , ,		
Course Code	0003			Course Category	Specializ	ed / Compulsory		
Class Format	Experiment	/ Practical trai	ning	Credits		c Credit: 2		
Department	Control Info	rmation Syste	ms Engineering	Student Grade	Adv. 1st			
Term	Second Sen	nester		Classes per Week	2			
Textbook and/or Teaching Materials								
Instructor	Shina Toru, Tsukasa,Yo	Akiguchi Shun shii Yotsumi,Fu	suke,Matoba Ryui Iruyama Shoichi	chi,Oguma Hiroshi,	Tsukada Akira	a,Ito Nao,Mizumoto Iwao,Aso		
Course Objectives								
Following three eleme 1. Students can sugge background. 2. Students can solve 3. Students can prese	est, design a problems b	nd construct re their fundame	elated systems su ental and specific	ich as software, ha	velopment. rdware and ne	etwork with considering a social		
Rubric				_				
		Ideal Level of A	Achievement	Standard Level of	Achievement	Unacceptable Level of Achievement)		
(Research work 1) Backgrounds, purpose methods, contents, re discussion and future included.	es, esults, tasks are	All elements ar	e included.	Acceptable conter	nts.	Lacks of contents.		
(Research work 2) Expression of statemental and tabular.	ent, figures	Acceptable exp	ression.	Almost acceptable	e expression.	Unacceptable and lack of expression.		
(Research work 3) The expression of bacand purposes.	kgrounds	Acceptable exp	ression.	Almost acceptable		Unacceptable and lack of expression.		
(Research work 4) Methodology		Acceptable me	ole methodologies. Almost acceptable methodologies.		е	Unacceptable methodologies.		
(Research work 5) Logical Structure		Reasonable log	e logical structure. Almost reasonable		e structure.	Not reasonable logical structure.		
(Research work 6) Critical Thinking		Reasonable dis	cussion.	Almost reasonable	e discussion.	Unacceptable discussion.		
(Research work 7) Varesults		Cleared and va expressed.	lid results are	Almost valid resulexpressed.	lts are	Unacceptable results.		
(Research work 8) Future works	,	Valid future pla Clear solutions	n and schedule. are provided.	Acceptable plan a	nd schedule.	Unacceptable plan.		
(Presentation 1) (1)B	ackground	Reasonable str	ucture.	Acceptable struct	ure	Unacceptable structure		
(Presentation 2) Suitable expression of sentences and figures	۱ .	Reasonable ser figures.	ntences and	Acceptable senter figures	nces and	Unacceptable sentences and figures		
(Presentation 3) Logical structure		Reasonable log	ical structure	Almost reasonable	e structure	Not reasonable logical structure		
Assigned Departr		ctives						
ディプロマポリシー C- JABEE C3	3							
Teaching Method								
Outline	2 years, un method, ev increase the necessary f will summa [Control] C	der the supervaluation methor comprehension application, rize and preser	isor, acquire the lod, and nurture re ye research capable application to pro nt the research re	method of literature esearch promotion pility through invest	e survéy, expe ability. In line tigation and e ysis and evalu	hrough major departments 1 and erimental / theoretical analysis with each concrete theme, ducation of required knowledge ation of the results obtained. We ial Study I.		
Style	In each labe	oratory, condu n method, mu	ct research under tiple faculty char	the guidance of th	e main deput	y supervisor advisor.		
To undertake subjectively and systematically on issues under the supervisor. One chief examiner and two sub-investigators comprehensively evaluated the content of the thesis, the contents of the presentation and the status of activities based on the evaluation criteria table (total table instructions), with a paper evaluation of 50%, a presentation evaluation of 30%, an effort status of 20%, Pass score over 60 points.								
Characteristics of	Characteristics of Class / Division in Learning							
☑ Active Learning		☑ Aided by IC	Γ	☑ Applicable to F	Remote Class	☐ Instructor Professionally Experienced		
Course Plan								
Course Fiall	The	eme		Go	oals			
				1-				

					G		
		1st	Special Resea	arch	resear (Surve	in the field of specialization necessary for rch subject ey, Planning, Implementation, System ation, testing, evaluation, report)	
		2nd	Special Resea	arch	Study resear (Surve	in the field of specialization necessary for rch subject ey, Planning, Implementation, System ation, testing, evaluation, report)	
		3rd	Special Resea	arch	Study resear (Surve	in the field of specialization necessary for rch subject ey, Planning, Implementation, System ation, testing, evaluation, report)	
	3rd	4th	Special Resea	arch	Study resear (Surve	in the field of specialization necessary for rch subject ey, Planning, Implementation, System ation, testing, evaluation, report)	
	Quarter	5th	Special Resea	arch	Study resear (Surve	in the field of specialization necessary for rch subject ey, Planning, Implementation, System ation, testing, evaluation, report)	
		6th	Special Resea	arch	Study resear (Surve	in the field of specialization necessary for rch subject ey, Planning, Implementation, System ation, testing, evaluation, report)	
		7th	Special Resea	arch	reseár (Surve	in the field of specialization necessary for rch subject ey, Planning, Implementation, System ation, testing, evaluation, report)	
2nd		8th	Special Resea	arch	reseár (Surve	in the field of specialization necessary for rch subject ey, Planning, Implementation, System ation, testing, evaluation, report)	
Semeste		9th	Special Resea	arch	reseár (Surve	in the field of specialization necessary for rch subject ey, Planning, Implementation, System ation, testing, evaluation, report)	
		10th	Special Resea	arch	reseár (Surve	in the field of specialization necessary for rch subject ey, Planning, Implementation, System ation, testing, evaluation, report)	
		11th	Special Resea	arch	Study in the field of specialization necessary for research subject (Survey, Planning, Implementation, System integration, testing, evaluation, report)		
	4th	12th	Special Resea	arch	Study in the field of specialization necessary for research subject (Survey, Planning, Implementation, System integration, testing, evaluation, report)		
	Quarter	13th	Special Resea	arch	Study resear (Surve	in the field of specialization necessary for rch subject ey, Planning, Implementation, System ation, testing, evaluation, report)	
		14th	Special Resea	arch	reseár (Surve	in the field of specialization necessary for rch subject ey, Planning, Implementation, System ation, testing, evaluation, report)	
		15th	Special Resea	arch	Study in the field of specialization necessary for research subject (Survey, Planning, Implementation, System integration, testing, evaluation, report)		
		16th	Special Resea	arch	resear (Surve	in the field of specialization necessary for rch subject ey, Planning, Implementation, System ation, testing, evaluation, report)	
Evaluat	ion Meth	od and	Weight (%)				
				Scoring by one supervisor and two s supervisor	ub-	Total	
Subtotal				100		100	
Report				30		30	
Presentat	ion			50		50	
Effort				20		20	

	oyama C	College	Year	2021		Course Title	Advanced Communication Engineering
Course	Informa	tion					
Course Co	ode	0004			Course Category	/ Specializ	ed / Elective
Class Forr	mat	Lecture			Credits	Academi	c Credit: 2
Departme	ent	Control Info Course	rmation Syste	ms Engineering	Student Grade	Adv. 1st	
Term		First Semes	ter		Classes per Wee	ek 2	
Textbook Teaching		ワイヤレス通	通信工学 オーム	△社			
Instructor		Oguma Hiro	shi				
Course	Objectiv	es					
Through t (1)Link bu (2)Fundai	this course udget desi mental ted	e, understandir gn of wireless	access ireless commu	ving will be facilita nication system stem	ated.		
Rubric							
		1 =	Ideal Level of <i>A</i> (Very Good)	Achievement	Standard Level (Good)	of Achievement	Unacceptable Level of Achievement (Fail)
Link budget design			Clearly underst oudget design access in detail	of wireless	Ability to explain and concept of I design of wireles	ink budget	Unable to explain the link budget design of wireless access.
Wireless s	system	t f	Clearly underst technology (mo frequency, MIM cellulor system and wireless PA	odulation, 10, etc) of , wireless LAN	Ability to explair and concept of o wireless LAN an	n the overview cellulor system,	Unable to explain the the technology of cellulor system, wireless LAN and wireless PAN.
Broadcast	ting syster	n t	Clearly underst technology (mo frequency, OFI proadcastiong	odulation,	Ability to explair and concept of by system.	the overview proadcasting	Unable to explain the the technology of broadcasting system.
	 7ポリシー I	tment Objec B-2	ctives				
Teachin	ng Metho	od					
Outline		Wireless ne about the p systems.	tworking is one rinciples and fu	e of the foundation	onal technologies i	n IoT. In this c	ourse, you will learn
		1575(61115.			ilques required to	designing and	implémenting wireless network
Style		<u> </u>	sters this cour	se through lectur		uesigning and	implementing wireless network
Style Notice		Student ma		se through lectur equires 60 points	es and seminar.	designing and	Implementing wireless network
Notice	eristics (Student ma The recogni	tion of credit r	equires 60 points	es and seminar.	designing and	Implementing wireless network
Notice Charact	eristics (Student ma The recogni of Class / Di	tion of credit r	equires 60 points arning	es and seminar. or more rating.	Remote Class	☐ Instructor Professionally Experienced
Notice Charact Active	Learning	Student ma The recogni of Class / Di	tion of credit r	equires 60 points arning	es and seminar. or more rating.		☐ Instructor Professionally
Notice Charact	Learning	Student ma The recogni of Class / Di	tion of credit rivision in Le	equires 60 points arning	es and seminar. or more rating. Applicable to	Remote Class	☐ Instructor Professionally
Notice Charact Active	Learning	Student ma The recogni of Class / Di	tion of credit rivision in Le Aided by IC	equires 60 points arning	es and seminar. or more rating. Applicable to	Remote Class Goals	☐ Instructor Professionally
Notice Charact Active	Learning	Student ma The recogni of Class / Di The	tion of credit rivision in Le	equires 60 points arning	es and seminar. or more rating. Applicable to	Remote Class Goals Guidance: Discuences Learn the propaction and O	☐ Instructor Professionally Experienced
Notice Charact Active	Learning	Student ma The recogni of Class / Di The 1st Gui 2nd Pro	ivision of credit rivision in Lea Aided by IC eme idance	equires 60 points arning T	es and seminar. or more rating. Applicable to	Remote Class Goals Guidance: Discusourse Learn the propact of t	☐ Instructor Professionally Experienced
Notice Charact Active	Plan	Student ma The recogni of Class / Di The 1st Gui 2nd Pro 3rd Lin	tion of credit rivision in Le Aided by IC eme idance pagation mode	equires 60 points arning T eling for wireless	es and seminar. or more rating. Applicable to	Remote Class Goals Guidance: Discusourse Learn the propact of the propagation of the propag	Instructor Professionally Experienced uss the goals and structure of this agation modeling (free space kumura-Hata, etc.) for wireless
Notice Charact Active	Learning	Student ma The recogni of Class / Di The 1st Gui 2nd Pro 3rd Lin 4th Dig	tion of credit rivision in Le Aided by IC eme idance pagation mode	equires 60 points arning TT eling for wireless on of wireless according	es and seminar. or more rating. Applicable to access ess on I	Remote Class Goals Guidance: Discusourse Learn the propact of the propagation o	Instructor Professionally Experienced uss the goals and structure of this agation modeling (free space kumura-Hata, etc.) for wireless udget design of wireless access I modulation and demodulation
Notice Charact Active	Plan lst	Student ma The recogni of Class / Di The 1st Gui 2nd Pro 3rd Lin 4th Dig 5th Cha	tion of credit rivision in Le Aided by IC eme idance pagation mode k budget designital modulation	equires 60 points arning TT eling for wireless on of wireless according	es and seminar. or more rating. Applicable to Consider the service of the servi	Remote Class Goals Guidance: Discrete Course Learn the propact of the propagation	Instructor Professionally Experienced Uss the goals and structure of this agation modeling (free space kumura-Hata, etc.) for wireless udget design of wireless access I modulation and demodulation and model with AWGN and various plexing and duplex technology for
Notice Charact Active	Plan lst	Student ma The recogni of Class / Di The 1st Gui 2nd Pro 3rd Lin 4th Dig 5th Cha 6th Mu	tion of credit rivision in Le Aided by IC eme idance pagation mode k budget designital modulation	equires 60 points arning TT eling for wireless on of wireless according	es and seminar. or more rating. Applicable to access ess l f	Remote Class Goals Guidance: Discusourse Learn the propaguation and Oaccess Learn the link becannology. Learn the channading. Learn the multiwireless networ	Instructor Professionally Experienced uss the goals and structure of this agation modeling (free space kumura-Hata, etc.) for wireless udget design of wireless access I modulation and demodulation and model with AWGN and various plexing and duplex technology for k.
Notice Charact Active Course 1st Semeste	Plan lst	Student ma The recogni of Class / Di The 1st Gui 2nd Pro 3rd Lin 4th Dig 5th Cha 6th Mu	tion of credit rivision in Le Aided by IC eme idance pagation mode k budget designital modulation annel fading ltiplexing read spectrum	equires 60 points arning TT eling for wireless on of wireless according	es and seminar. or more rating. Applicable to access ess l f f l	Remote Class Goals Goals Guidance: Discrete Course Learn the propalequation and Officess Learn the link but the change of t	Instructor Professionally Experienced Use the goals and structure of this agation modeling (free space kumura-Hata, etc.) for wireless udget design of wireless access I modulation and demodulation nel model with AWGN and various plexing and duplex technology for k. If of spedtrum technology for k and navigation satellite system.
Notice Charact Active Course 1st Semeste	Plan lst	Student ma The recogni of Class / Di The 1st Gui 2nd Pro 3rd Lin 4th Dig 5th Cha 6th Mu 7th Spr	tion of credit rivision in Le Aided by IC eme idance pagation mode k budget designital modulation annel fading Itiplexing read spectrum	equires 60 points arning TT eling for wireless on of wireless according	es and seminar. or more rating. Applicable to	Remote Class Goals Goals Guidance: Discrete Course Learn the propagation and Officess Learn the link become course and the digital discrete course and the change of the course of	Instructor Professionally Experienced Uss the goals and structure of this agation modeling (free space kumura-Hata, etc.) for wireless udget design of wireless access I modulation and demodulation and model with AWGN and various plexing and duplex technology for k. In spedtrum technology for k and navigation satellite system.
Notice Charact Active Course 1st Semeste	Plan lst	Student ma The recogni of Class / Di The 1st Gui 2nd Pro 3rd Lin 4th Dig 5th Cha 6th Mu 7th Spr 8th OFI 9th MII	tion of credit rivision in Le Aided by IC eme idance pagation mode k budget designital modulation annel fading Itiplexing read spectrum DM	equires 60 points arning TT eling for wireless on of wireless according	es and seminar. or more rating. Applicable to access ess l f l f l l l l l l l l l l l l l l l	Remote Class Goals Guidance: Discrete Course Learn the propact of the propagation of the p	Instructor Professionally Experienced Uss the goals and structure of this agation modeling (free space kumura-Hata, etc.) for wireless udget design of wireless access I modulation and demodulation and model with AWGN and various plexing and duplex technology for k. Id spedtrum technology for k and navigation satellite system. In (Orthogonal frequency division echnology for wireless network.) Use (Multi Input Multi Output)
Notice Charact Active Course 1st Semeste	Plan lst	Student ma The recogni of Class / Di The 1st Gui 2nd Pro 3rd Lin 4th Dig 5th Cha 6th Mu 7th Spr 8th OF 9th MIR 10th Cel	tion of credit rivision in Le Aided by IC eme idance pagation mode k budget designital modulation annel fading ltiplexing read spectrum DM MO lulor system	equires 60 points arning TT eling for wireless on of wireless according	es and seminar. or more rating. Applicable to access ess on I I I I I I I I I I I I I	Remote Class Goals Guidance: Discusourse Learn the propact of the propagation of the propag	Instructor Professionally Experienced Use the goals and structure of this agation modeling (free space kumura-Hata, etc.) for wireless udget design of wireless access I modulation and demodulation and lamodulation and lamodulation and lamodulation and specific and duplex technology for k. In dispedit the specific and specific and navigation satellite system. (Orthogonal frequency division echnology for wireless network.) In Multi Input Multi Output) In system.
Notice Charact Active Course 1st Semeste	Plan lst	Student ma The recogni of Class / Di The 1st Gui 2nd Pro 3rd Lin 4th Dig 5th Cha 6th Mu 7th Spr 8th OFi 9th MIR 10th Cel 11th Wir	tion of credit rivision in Lectoria Aided by IC Aided by IC eme idance pagation mode k budget designital modulation ennel fading ltiplexing read spectrum DM MO lulor system reless LAN	equires 60 points arning TT eling for wireless on of wireless according	es and seminar. or more rating. Applicable to access ess I I I I I I I I I I I I I I I I	Remote Class Goals Guidance: Discusciourse Learn the propact of the propagation of the propagati	Instructor Professionally Experienced Use the goals and structure of this agation modeling (free space kumura-Hata, etc.) for wireless udget design of wireless access I modulation and demodulation nel model with AWGN and various plexing and duplex technology for k. d spedtrum technology for k and navigation satellite system. (I) (Orthogonal frequency division echnology for wireless network. (I) (Multi Input Multi Output) Or system. 802.11 and standarization.
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	Examination	Report	Mutual Evaluations between students	Behavior	Portfolio	Other	Total
Subtotal	80	20	0	0	0	0	100
Basic Ability	10	0	0	0	0	0	10
Technical Ability	70	20	0	0	0	0	90
Interdisciplinar y Ability	0	0	0	0	0	0	0

		College	Year	2021		Course Title	Instrument Programmir	
Course	Inform	<u>ation</u>						
Course Co		0005			Course Category	<i>'</i>	zed / Elective	
Class For	mat	Lecture			Credits	Academ	nic Credit: 2	
Departme	ent	Control Course	Information Syst	ems Engineering	Student Grade	Adv. 1s	t	
Гerm		First Sei	mester		Classes per Wee	ek 2		
Textbook Teaching		5						
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Course	Object	ives						
			n the electronics	circuits for measu	rement manufac	turing of mea	surement system	1
Rubric	. с с. ра.	p 0 0 0 10 0 0 0 0 1 5	<u>, </u>					•
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Outline		The lect system.		design the electro	onics circuits for m	ieasurement,	manuracturing of	rneasurement
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Charact ☐ Active			☐ Aided by I		☐ Applicable to	Remote Class	☐ Instructor Experienced	Professionally
□ Active	e Learnin				☐ Applicable to	Remote Class		Professionally
□ Active	e Learnin				☐ Applicable to	Remote Class		Professionally
□ Active	e Learnin					Remote Class		Professionally
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To	yama C	ollege		Year	2021		(Course Title	Quantum Electronics
Course	Informa	tion							
Course Co	ode	0006				Course Catego	ory	Specializ	red / Elective
Class Forr	mat	Lecture				Credits		Academi	ic Credit: 2
Departme	ent	Control I Course	nforma	ation Syste	ems Engineering	Student Grade	9	Adv. 1st	
Term		Second S	Semest	er		Classes per W	eek	2	
Textbook									
Teaching Instructor		Yoshii Yo	tsumi						
	Objectiv		resumm						
Through t 1. Electro 2. Interac 3. Theory 4. Detecti 5. Laser a	his course magnetic t tion of rac of laser o on of optic pplication	e, understan theory and diation and a scillation an cal radiation s in sensors	propagatomic atomic ad lase and p and c	pation of ra systems. devices. properties ommunica	wing will be facily ays and beams. of semiconducto tions.				
2.異なる媒 3.レーザの	質中での光 随場と動作	F原理を説明 [*]	と物質の できる。	の相互作用	こついて説明でき て説明できる。	ა .			
Rubric									
			_		ベルの目安	標準的な到達レ			未到達レベルの目安
評価項目1			Clea of lic	rly unders	stands properties	Ability to expla	ain pro	perties of	Unable to explain properties of light
評価項目2			Clea	rly unders	stands interaction ad atomic systen	n Ability to expla			
評価項目3			prin	rly unders ciples and e lasers	tands operating the structure of	Ability to expla principles and diode lasers	ain ope the st	erating ructure of	Unable to explain operating principles and the structure of diode lasers
評価項目4			prin phot	ciples and ton detect			the st	erating ructure of	Unable to explain operating principles and the structure of photon detectors
評価項目5			opto	rly unders electronic ication de	s and laser	Ability to expland laser appl	ain opt ication	toelectronion devices	Unable to explain optoelectronics and laser application devices
	゚゚゚ポリシー E	tment Ob 3-2	jectiv	res					
Teachin	g Metho	d							
Outline		quantum beams, c	prope lassica tinuous	rties of ra Il ray optic s wave ge	diation. Fundam s and optical sys	entals include: Ma stems, quantum t	axwell' heory	's electrom of light, m	evices based on classical and lagnetic waves, resonators and atter and its interaction, lasers toronics and laser applications are
Style		principles 1.Unders 2.Demor	s and e standin stratio	examples. g Lasers a ons in Lase	standing quantu MIT Open Cours and Fiberoptics or Fundamentals sical Optics	m electronics, lec eware videos are	tures a also υ	and exercis used.	ses facilitate the learning of
Notice									
Charact	eristics (of Class /	Divis	ion in Le	earning				
☐ Active	Learning			Aided by I	СТ	□ Applicable	to Rer	mote Class	☐ Instructor Professionally Experienced
Course	Plan								
		·	Theme	<u> </u>			Goals	S	
		1st	Guidar ガイダン		<u></u> ン		cours	se	uss the goals and structure of this フトロニクスについて概説できる
		2nd	Wave		-		Relat	tion betwe	en wave optics and ray optics りな性質を説明できる
2nd	3rd	2rd		magnetic	theory of light		Maxv	well's equa	tions and wave equation 呈式から波動方程式を導出できる
Semeste r	Quarter		Polariz 偏光	ed light			Polar	rization dev	ight, reflection and refraction vices 生質を説明できる
		5th	Optical 光導波	wave gui 路と光ファ	des and fibers イバ		Prop	agation of	optical beams in fibers アイバの原理を説明できる
		CIL	Lasers レーザ	(1)			Char	acteristics	of the laser output 質を説明できる

		7th	Lasers(2) レーザ光の発生(1)		Interactions of ph Laser amplifier 光と物質の相互作用できる			
		8th	Lasers(3) レーザ光の発生(2)		Theory of laser o Optical resonator			
						光共振器について	説明できる		
		9th	Semiconductor ph 発光素子の動作原理	oton sources(1) と特性(1)		Light emitting did Semiconductor la Structures of diod	ser amplifiers		
						半導体レーザの基準	本構造と動作原理を	を説明できる	
		104	Semiconductor ph	oton sources(2)		Advanced semico	enductor lasers: I	DFB, VECSEL,	
		10th	Semiconductor ph 発光素子の動作原理	と特性(2)		 特徴的な半導体レ- (FP型, DFB型)	ーザの原理につい ⁻	て説明できる	
	4th Ouarter	11th	Semiconductor ph 発光素子の動作原理	oton sources(3) と特性(3)		Characteristics of diode laser 半導体レーザーの特性について説明できる			
	-	12th	Semiconductor ph 受光素子の動作原理	oton detectors(1 !と特性(1))	Theory of photodiodes and structure フォトダイオードの構造と動作原理を説明できる			
		13th	Semiconductor ph 受光素子の動作原理	oton detectors(2 !と特性(2))	Characteristics of photodiode フォトダイオードの特性について説明できる			
		14th	Optoelectronics an 光エレクトロニクス	nd laser applicatio の応用(1)	ons(1)	Optical disc drives 光ディスク装置について説明できる			
		15th	Optoelectronics an 光エレクトロニクス	nd laser applicatio の応用(2)	ons(2)	Optical communications over optical fiber 光ファイバ通信方式について説明できる			
		16th							
Evaluation	n Meth	nod and V	Veight (%)						
	試		発表	相互評価	態度	ポートフォリオ	その他	Total	
Subtotal	80		0	0	0	20	0	100	
基礎的能力	40		0	0	0	10	0	50	
専門的能力	40		0	0	0	10	0	50	
分野横断的	能力 0		0	0	0	0	0	0	

Тс	Toyama College		Year	2021			ourse Title	Technical English
Course	Informa	tion						
Course Co	ode	0010			Course Categor	у	Specialize	ed / Compulsory
Class Forr	mat	Lecture			Credits		Academi	Credit: 2
Departme	ent	Course	ormation Syste	ms Engineering	Student Grade		Adv. 1st	
Term		Second Sei			Classes per We		2	
Textbook Teaching	Matérials	and mecha	nical industrial	English (Corona C	Company).			atics (John Willey & Sons. Inc.)
Instructor		•	harlton,Matoba	Ryuichi,Yoshii Yo	tsumi,Nakatani	loshihil	ko,Kyode	n Tomoaki
Course You are g	oing to re	ad practical so	cience and tech	nology English ser	ntences, accumu	late exp	perience (of technical English composition
and Englis	sn present	ation.						
Rubric				ベルの日本	標準的な到達レイ	×11 00 E		未到達レベルの目安
Evaluation	理想的な到達レベルの目安 You can express yourself with accurate English sentences an words.				Even if there is what you want expressed in Er words.	some r	nistake can be	You can not express yourself in
Evaluation	n item 2		You can exprese effectively.	s your idea	You can expres	s your i	idea ever	You can not express your own idea.
Evaluation	n item 3		You can grasp	vatching English	By watching En Technology, yo contents even i errors.	ıglish vi u can g	rasp the	You can not grasp the contents
Assigne	d Depar	tment Obje	ectives					
ディプロマ JABEE C1	アポリシー(C-1						
Teachin	g Metho	od						
Outline		English, for Each facult	eign languages y member adva	, technical terms, inces classes in a	grammar, conte n omnibus forma	ents cor at.	ncerning	understanding of different cultures
Style			•					esponsibility. omnibus format.
Notice		lmethod, ar	er in charge evand takes the ari evaluation crite	thmetic average a	quizzes and subrand sets the final	mission evalua	tasks for tion. Mor	each class of the omnibus e than 60 points are necessary to
Charact	eristics	of Class / D	ivision in Le	arning				
□ Active	Learning		☐ Aided by IC	Т	☐ Applicable to	o Remo	te Class	☐ Instructor Professionally Experienced
Cauras	Dlan							
Course	Pian 	Ть	eme			Goals		
				Listening and Dic		Listenir	ng with fa	amiliar video on science
				Listening and Dic		Listenir	ng with fa	its summary in Japanese
				Listening and Dic		Correct	ed Englistand mar	writing in English th and Japanese in easy-to- ner while comparing Japanese
		4th Te	chnical English	Listening and Dic	tation -4	Correct	ed Englistand mar	inglish translation in English h and Japanese in easy-to- ner while comparing Japanese
		5th Te	chnical English	Listening and Dic	tation -5	Correct	ed Englistand mar	inglish translation in English h and Japanese in easy-to- ner while comparing Japanese
2nd Semeste r 3rd Quarter		6th En	glish expression	n in mathematics	and physics -1	Profess numbe that red interpre technol	ors will to rs, mathe quire acc etation in	each English expressions such as ematical expressions and graphs urate representation and the field of science and jects in English mathematics ike.
		n in mathematics	and physics -2	Profess numbe that re- interpre- technol	ors will to rs, mathe quire acc etation in logy, sub	each English expressions such as ematical expressions and graphs urate representation and the field of science and jects in English mathematics		
		8th En	glish expression	n in mathematics	you learn about the fundamentals of science technology expression in physics by compari understanding content and its English expression with subjects of classical mechanics such as Newton's dynamics law which the student fu understands.			ession in physics by comparing ontent and its English expression classical mechanics such as

		9th	English expression	in mathematics	and physics -4	You learn about t technology expre understanding co with subjects of c Newton's dynami understands.	he fundamentals ssion in physics l ntent and its Enc classical mechani cs law which the	of science and by comparing glish expression cs such as student fully	
		10th	ssion in physics l ntent and its Enc classical mechani	damentals of science and physics by comparing nd its English expression mechanics such as which the student fully					
	4th Quarter	11th	Effective Presentat	tion		Introduce a meth in as simple Engli		esearch contents	
	C	12th	How to explain tab	oles and graphs		How to explain ta How to express in	ables and graphs n a research pres	in English etc. sentation	
		13th	Research summar	y Slide creation		You drop my own research into one punch painting and present it in English			
		14th	Presentation in En	glish 4		You will further explain the presentation in English.			
		15th	Presentation in En	glish 5		You will further explain the presentation in English.			
		16th	Comprehensive ev	aluation · Gradin	g confirmation	We will evaluate class of the omni be submitted, so	according to the bus method and we will not cond	quizzes for each the subjects to uct final exams.	
Evaluati	on Meth	od and V	Veight (%)						
	試馬		発表	相互評価	態度	ポートフォリオ	その他	Total	
Subtotal	0		150	30	30	30	60	300	
基礎的能力	0		50	10	10	10	20	100	
専門的能力	0		50	10	10	10	20	100	
分野横断的	能力 0		50	10	10	10	20	100	

То	oyama C	ollege	Year	2021		Cour		Advanced Business Strategy
Course	Informa	tion						
Course Co	ode	0011			Course Category	/ Sp	ecialize	d / Elective
Class For	mat	Lecture			Credits	Aca	ademic	Credit: 2
Departme	ent	Control Inf Course	formation Syste	ms Engineering	Student Grade	Ad	v. 1st	
Term		Second Se	mester		Classes per Wee	ek 2		
Textbook Teaching	and/or Materials	Built to La	st: Successful H	labits of Visionary	Companies, Nikk	ei BP		
Instructo		Miyashige	Tetsuya					
	Objectiv							
	to underst	and the theo	ries of Business	Strategy				
Rubric								
			Ideal Level of A (Very Good)		Standard Level (Good)	of Achieve	ement	Unacceptable Level of Achievement (Fail)
評価項目1			understood the Business Strate application to s	egy, and	understood the Business Strateg		of	Did not understand the theories of Business Strategy
Assigne	<u>ed Depa</u> r	tment Obje	ectives					
ディプロマ JABEE A2	マポリシー /	A-2						
Teachin	ng Metho	d						
Outline		understan	d the theories o	f Business Strate	gy, and application	n to socie	ty	
Style		Seminar-s	ed by both teach tyle discussion ons by students	ner and students				
Notice		Tresentation	ons by students					
	eristics (of Class / F	Division in Le	arning				
	Learning	51 Class / E	☐ Aided by IC		☐ Applicable to	Remote	Class	☐ Instructor Professionally Experienced
Course	Dlan							
Course	Piaii		heme			Goals		
		t	ourse Orientatio	ın.			nding of	f Course Structure
			orporate Goals	111	- t			f Corporate Goals
			omains (1)					f Domains(1)
			omains (1)					f Domains(1)
	3rd Quarter	 		/1\				
	Quarter		rowth Strategy					f Growth Strategy(1)
			rowth Strategy					f Growth Strategy(2)
2nd			ompetitive Strat					f Competitive Strategy(1)
Semeste			ompetitive Strat					f Competitive Strategy(2)
r			ompetitive Strat					f Competitive Strategy(3)
			usiness Organiz					f Business Organization(1)
			usiness Organiz					f Business Organization(2)
	4th		usiness Manage					f Business Management
	Quarter		orporate Culture	9				f Corporate Culture
			usiness Ethics					f Business Ethics
				ns and final paper				ns and final paper
			eview of final pa	per	F	Review of	final pa	aper
Evaluat	ion Meth	od and We			1			1
			Exam		Reports			Total
Subtotal			50		50			100
基礎的能力	ל		50		50			100
専門的能力	ל		0		0			0
分野横断的	付能力		0		0			0

То	oyama C	College		Year	2021		(Course Title	Regional Industry
Course	Informa	tion							
Course Co	ode	0012				Course Catego	ory	Specialize	ed / Elective
Class For	mat	Lecture				Credits		Academic	Credit: 2
Departme	ent	Control Course	Inforr	nation Syste	ms Engineerin	^g Student Grade	9	Adv. 1st	
Term		Second	Seme	ster		Classes per W	'eek	2	
Textbook Teaching	and/or Materials								
Instructo	<u>r</u>	,							
	Objectiv	es							
Rubric									
			Ide	eal Level of	Achievement	Standard Leve	el of Ac	chievement	Unacceptable Level of Achievement)
Report			ab of ch	ility of expla the industria	and having ar ining about 80 al structure and of each field prefecture.	% structure and	charac nin Toy n be ur	cteristics of ama	Not to explain about 60% of the industrial structure and the characteristics of each field within Toyama prefecture.
Evaluation	·· =								+
Evaluation		+ + Ol							1
	d Depar アポリシー	tment Ol 4-2	bject	ives					
JABEE A2		7 4							
Teachin	g Metho								
Outline		betweer viewpoir	n indu nt rela e and	stry and reg ted to each industry, ar	ion and its tecl major, and an	hnology, think abo alyze. Make an opj	ut the portuni	structure o	, learn about the relationship f regional industry from a deeply about the position of nd career advancement and
Style		to receiv	ve a le	ecture. The I	panies belongii ecture is in an me will be con	omnibus format, a	echanion nd sub	cal industry omissions o	association in Toyama Prefecture f reports about three times and
Notice		Submit a	a repo	ort summarize contents of	zing the conter the explanation	nt and analysis of t	he reg	ional indust	be interested in current affairs. cry, and evaluate the results
Charact	eristics	of Class /	/ Div	ision in Le	arning				
□ Active	Learning			Aided by IC	T	□ Applicable	to Ren	note Class	☐ Instructor Professionally Experienced
Course	Dlan								
Course	Piaii		Then	ne			Goals		
		1st			y in Toyama P	Prefecture	It is i	possible to stries in Toy	understand the characteristics of vama prefecture, which outlines Toyama Prefecture
		2nd	Intro	duction to a	luminum indus	stry (1)	Outli	ne of alumi ecture. I car	num industry in Toyama nunderstand the characteristics of ndustry in Toyama Prefecture
		3rd	Intro	duction to a	luminum indus	stry (2)	Prefe I can	ecture. I understan	aluminum industry in Toyama d the characteristics of the try in Toyama Prefecture
2nd	3rd Quarter	4th	Intro	duction to m	nachine tools:		mach outlir	nine tool ind	d the characteristics of the dustry in Toyama prefecture that chine tool industry in Toyama
Semeste r		5th	Alum	inum indust	ry / machine to	ool Conclusion:	and e indus	explain the stry / mach	nts of learning I can understand characteristics of the aluminum ine tool industry in Toyama will investigate and group the oup work
		6th	Intro	duction to e	ectronic equip	ment (1)	elect that Toya	ronic parts outlines the ma prefect	
		7th	Intro	duction to e	ectronic equip	ment (2)	elect	ronic parts	d the characteristics of the industry in Toyama prefecture electronic parts industry in ure
		8th	Intro	duction to Ir	nformation indu	ustry (1)	Field	work of co	mpanies in Toyama Prefecture.
	4th Quarter	9th	Intro	duction to Ir	nformation ind	ustry (2)	Field	works of co	ompanies in Toyama Prefecture.

	10th	Introduction	to Information industry (3)	Unders indust	standings for outlines of information ry in Toyama prefecture.
	11th	Introduction	to Information industry (4)		standings for outlines of information ry in Toyama prefecture.
	12th	Introduction	to molds(1)	Under:	standings for the characteristics of the mold ry in Toyama prefecture.
	13th	Introduction	to molds(2)		standings for the characteristics of the mold ry in Toyama prefecture.
	14th	industry indu	rts / information industry / mold stry Summary: We survey and stry by group work on what we have r	We ca of Toy inform	n understand and explain the characteristics ama prefecture's electronic parts, ation industry and mold industry
	15th	conclusion			
	16th	Grading confi questionnaire	rmation, question evaluation		
Evaluation Meth	od and	Weight (%)			
			report		Total
Subtotal			100		100
Presentation			100		100

To	oyama C	ollege	Year	2021		Course Title	Managemen Technology	nt of
Course	Informat	tion						
Course Co	ode	0013			Course Catego	ry Speciali	zed / Elective	
Class For	mat	Lecture			Credits	Academ	nic Credit: 2	
Departme	ent	Control Ir Course	nformation Syste	ms Engineering	Student Grade	Adv. 1s	t	
Term		First Sem	ester		Classes per We	eek 2		
Textbook Teaching	and/or Materials	Distribution	on					
Instructor	r	Kiyoshi Ta	akeharu					
Course	Objective	es						
Understar Students	nding mana can get en	agement and gineering po	d utilization of te pints of view and	chnology. understanding o	f technology ope	rations.		
Rubric								
			Ideal Level of A (Very Good)	Achievement	Standard Level (Good)	of Achievemer	t Unacceptable Achievement	
Evaluatio	n 1		Students can punderstand bas	sic MOT.	Students can u MOT.	ınderstand basi	Students can basic MOT.	not understand
Evaluatio	n 2		Students can pabout manufac	roperly explain cturing process.	Students can e manufacturing		Students can manufacturin	not explain about ng process.
Evaluatio	n 3		Students can e practical busing manufacturing	ess of	Students can e practical busine manufacturing	ess of	Students can practical busi manufacturin	
Assiane	d Depart	ment Obj	iectives					
	7ポリシー <i>A</i>							
Teachin	g Metho							
Outline		The purpo Departme Humanitie	es students also	s to get engineer nal Business stude have a chance to is class is based o	get a job in thes	se areas. NIT h	nding technology Jineering manufa as strong engine	operation for octuring companie ering knowledge
Style		This class independe		ning methods. Fu	ırthermore, stud	ents need to be	able to work wit	th a high level of
Notice		This class	requires comple	tion of assignme	nts and preparin	g presentations	for every session	n.
Charact	eristics o	of Class /	Division in Le	arning				
☑ Active	Learning		☑ Aided by IC	Т	☑ Applicable t	o Remote Class	☐ Instructor Experienced	Professionally
Course	Plan							
004.50	1	Т	Гһете			Goals		
			ПСПС					
		1150 10	Zuidanco				the lecture	
		—	Guidance.	OT.		Significunce of		
		2nd E	Background of Mo		nent and		MOT 1	
	1st	2nd E 3rd T to	Background of Mo The uncertainly be echnological dev The basic concep	OT. etween managen elopment. t of innovation ar		Significunce of Understanding	MOT 1 MOT 2	
	1st Quarter	2nd E 3rd T tt 4th T	Background of Mo The uncertainly bechnological dev The basic concep rreation.	etween managen elopment. t of innovation ar	nd knowledge	Significunce of Understanding Understanding	MOT 1 MOT 2 MOT 3	
		2nd E 3rd T t 4th T 5th R	Background of Mo The uncertainly bechnological dev The basic concep creation. R&D managemen	etween managen elopment. t of innovation ar t and market ma	nd knowledge nagement.	Significunce of Understanding Understanding Understanding Understanding	MOT 1 MOT 2 MOT 3 MOT 4	ng 1
l ct		2nd E 3rd T tu 4th T 5th R 6th L	Background of Mo The uncertainly bechnological dev The basic concept creation. R&D managemen Understanding m	etween managen elopment. t of innovation ar it and market ma anufacturing flow	nd knowledge nagement.	Significunce of Understanding Understanding Understanding Understanding Understanding	MOT 1 MOT 2 MOT 3 MOT 4 for munifacturin	
		2nd E 3rd T 4th T 5th R 6th U 7th N	Background of Mo The uncertainly bechnological dev The basic concept treation. R&D managemen Understanding m	etween managenelopment. t of innovation are t and market ma anufacturing flow chnology.	nd knowledge nagement.	Significunce of Understanding Understanding Understanding Understanding Understanding Understanding	MOT 1 MOT 2 MOT 3 MOT 4 for munifacturin	ng 2
		2nd E 3rd T t 4th T c 5th R 6th L 7th N 8th P	Background of Months of Mo	etween managenelopment. t of innovation and market maanufacturing flowchnology. gement	nd knowledge nagement.	Significunce of Understanding Understanding Understanding Understanding Understanding Understanding Understanding Understanding Understanding	MOT 1 MOT 2 MOT 3 MOT 4 for munifacturin for munifacturin for munifacturin	ng 2 ng 3
		2nd E 3rd T t 4th C 5th F 6th L 7th N 8th P 9th I	Background of Months of Mo	etween managenelopment. t of innovation are t and market ma anufacturing flow chnology.	nd knowledge nagement.	Significunce of Understanding	MOT 1 MOT 2 MOT 3 MOT 4 for munifacturin for munifacturin for munifacturin	ng 2 ng 3 ng 4
		2nd E 3rd T t 4th T 5th R 6th L 7th N 8th P 9th I 10th P	Background of Moreon of Mo	etween managenelopment. t of innovation and market maanufacturing flowchnology. gement	nd knowledge nagement.	Significunce of Understanding Practice: Produ	MOT 1 MOT 2 MOT 3 MOT 4 for munifacturing fo	ng 2 ng 3 ng 4 pes
	Quarter	2nd E 3rd T t 4th C 5th R 6th L 7th N 8th P 9th I 10th P	Background of Moreon Production Manufacturing technological device at least 10 management of the Manufacturing technological deviction.	etween managenelopment. t of innovation and market maanufacturing flowchnology. gement	nd knowledge nagement.	Significunce of Understanding Understanding Understanding Understanding Understanding Understanding Understanding Understanding Understanding Practice: Produ	MOT 1 MOT 2 MOT 3 MOT 4 for munifacturin for munifacturin for munifacturin for munifacturin for munifacturin	ng 2 ng 3 ng 4 pes pes
	Quarter 2nd	2nd E 3rd T t 4th C 5th R 6th U 7th N 8th P 9th I 10th P 11th P	Background of Moreon Production Manufacturing technological devices and management of the Manufacturing technological devices and Manufacturing technological devices and Manufacturing technological management of the Manufacturing technological manageme	etween managenelopment. t of innovation and market maanufacturing flowchnology. gement	nd knowledge nagement.	Significunce of Understanding Understanding Understanding Understanding Understanding Understanding Understanding Understanding Understanding Practice: Produ Practice: Produ	MOT 1 MOT 2 MOT 3 MOT 4 for munifacturin for munifacturin for munifacturin for munifacturin for munifacturin for prototypuction of pro	ng 2 ng 3 ng 4 pes pes
	Quarter	2nd E 3rd T t 4th T c 5th R 6th U 7th N 8th P 9th I 10th P 11th P 12th P	Background of More the uncertainly be echnological development of the basic concept of the ba	etween managenelopment. t of innovation and market mate and market mate and market materials. chnology. gement on of manufacturing	nd knowledge nagement.	Significunce of Understanding Understanding Understanding Understanding Understanding Understanding Understanding Understanding Understanding Practice: Produpractice: Produpractice: Produpractice: Produpring report.	MOT 1 MOT 2 MOT 3 MOT 4 for munifacturin uction of prototypuction of	ng 2 ng 3 ng 4 pes pes
	Quarter 2nd	2nd E 3rd T t 4th T c 5th R 6th U 7th N 8th P 9th I 10th P 11th P 12th P 13th V 14th P	Background of More the uncertainty be echnological development of the basic concept of the ba	etween managenelopment. t of innovation and market mate and market mate and market materials. chnology. gement on of manufacturials.	nd knowledge nagement.	Significunce of Understanding Understanding Understanding Understanding Understanding Understanding Understanding Understanding Understanding Practice: Produpractice: Prod	MOT 1 MOT 2 MOT 3 MOT 4 for munifacturing fo	ng 2 ng 3 ng 4 pes pes
	Quarter 2nd	2nd E 3rd T t 4th T 6th R 6th L 7th N 8th P 9th I 10th P 11th P 12th P 13th V 14th F	Background of More the uncertainly be the uncertainly be the basic concept the basic	etween managenelopment. t of innovation and market mate and market mate and market materials. chnology. gement on of manufacturials.	nd knowledge nagement.	Significunce of Understanding Understanding Understanding Understanding Understanding Understanding Understanding Understanding Understanding Practice: Produpractice: Prod	MOT 1 MOT 2 MOT 3 MOT 4 for munifacturing fo	ng 2 ng 3 ng 4 pes pes
Semeste	Quarter 2nd Quarter	2nd E 3rd T t 4th C 5th R 6th L 7th N 8th P 9th I 10th P 11th P 12th P 13th V 14th P	Background of More the uncertainly be echnological development of the basic concept of the ba	etween managenelopment. t of innovation and market mate and market mate and market materials. chnology. gement on of manufacturials.	nd knowledge nagement.	Significunce of Understanding Understanding Understanding Understanding Understanding Understanding Understanding Understanding Understanding Practice: Produpractice: Prod	MOT 1 MOT 2 MOT 3 MOT 4 for munifacturing fo	ng 2 ng 3 ng 4 pes pes
Semeste	Quarter 2nd Quarter	2nd E 3rd T t 4th C 5th R 6th L 7th N 8th P 9th I 10th P 11th P 12th P 13th V 14th P	Background of More the uncertainly be the uncertainly be the the the the the the the the the th	etween managenelopment. It of innovation are It and market mate anufacturing flowe chnology. It gement on of manufacturing flowers and manufacturing flowers. It attion.	nd knowledge nagement.	Significunce of Understanding Understanding Understanding Understanding Understanding Understanding Understanding Understanding Understanding Practice: Produpractice: Prod	MOT 1 MOT 2 MOT 3 MOT 4 for munifacturing fo	ng 2 ng 3 ng 4 pes pes
1st Semeste r Evaluat	2nd Quarter ion Meth	2nd E 3rd T t 4th C 5th R 6th L 7th N 8th P 9th I 10th P 11th P 12th P 13th V 14th P	Background of More the uncertainly be echnological development of the basic concept of the ba	etween managenelopment. t of innovation ar t and market ma anufacturing flow chnology. gement on of manufacturi tation. . Mutual Evaluations between	nd knowledge nagement.	Significunce of Understanding Understanding Understanding Understanding Understanding Understanding Understanding Understanding Understanding Practice: Produpractice: Prod	MOT 1 MOT 2 MOT 3 MOT 4 for munifacturing fo	ng 2 ng 3 ng 4 pes pes
Semeste r Evaluati	2nd Quarter ion Meth	2nd E 3rd T t 4th T c 5th R 6th U 7th N 8th P 9th I 10th P 11th P 12th P 13th V 14th F 15th F 16th E od and W	Background of More and the uncertainty be echnological devoration. Representation. Representation and the production management of the production of the product	etween managenelopment. t of innovation ar t and market ma anufacturing flow chnology. gement on of manufacturi tation. Mutual Evaluations between students	nagement. ing Behavior	Significunce of Understanding Understanding Understanding Understanding Understanding Understanding Understanding Understanding Understanding Practice: Produpractice: Prod	MOT 1 MOT 2 MOT 3 MOT 4 for munifacturing fo	ng 2 ng 3 ng 4 pes pes pes Total
Semeste r Evaluati Subtotal	2nd Quarter ion Meth Exa	2nd E 3rd T t 4th T c 5th R 6th U 7th N 8th P 9th I 10th P 11th P 12th P 13th V 14th F 15th F 16th E od and W	Background of More the uncertainty be echnological devorated by the basic concept th	etween managenelopment. t of innovation ar t and market ma anufacturing flow chnology. gement on of manufacturi tation. Mutual Evaluations between students 0	nagement. ing Behavior 0	Significunce of Understanding Understanding Understanding Understanding Understanding Understanding Understanding Understanding Understanding Practice: Produ Practice: Produ Practice: Produ Writing report. Preparing pres	MOT 1 MOT 2 MOT 3 MOT 4 for munifacturing fo	rotal Total
Semeste r	2nd Quarter ion Meth Exa 0	2nd E 3rd T t 4th T c 5th R 6th U 7th N 8th P 9th I 10th P 11th P 12th P 13th V 14th F 15th F 16th E od and W	Background of More and the uncertainty be echnological devoration. Representation. Representation and the production management of the production of the product	etween managenelopment. t of innovation ar t and market ma anufacturing flow chnology. gement on of manufacturi tation. Mutual Evaluations between students	nagement. ing Behavior	Significunce of Understanding Understanding Understanding Understanding Understanding Understanding Understanding Understanding Understanding Practice: Produpractice: Prod	MOT 1 MOT 2 MOT 3 MOT 4 for munifacturing fo	ng 2 ng 3 ng 4 pes pes pes Total

	1			1		1	
Interdisciplinar y Ability	0	0	0	О	0	0	0

To	oyama	a College		Year	2021		Course Title	Information	Processing
Course	Inforr	mation							
Course Co	ode	0014				Course Categor	y Specia	lized / Elective	
Class For	mat	Lectu	re			Credits	Acader	nic Credit: 2	
Departme	ent	Contr Cours		ormation Syste	ms Engineering	Student Grade	Adv. 1	st	
Term		First	Semes	ter		Classes per We	ek 2		
Textbook Teaching									
Instructor			chi Sh	unsuke					
Course			<u> </u>						
Through t 1. Data 2. Creat	this cou procesting ma	urse, unders sing and an cros using \	alysis ' /BA.	ng of the follow with Excel. nformation pro	ving will be facilita	ted.			
Rubric				•					
				Ideal Level of <i>A</i> (Very Good)	Achievement	Standard Level (Good)	of Achieveme	nt Unacceptable	
Evaluatio	n 1		(Clearly underst	ands the method sing and analysis	(/	data processii	v Unable to ex	plain the method o ing and analysis
Evaluation	n 2		1		ands the creation		in the overview macro creatio	V Unable to ex	plain the creation acro for VBA.
Evaluatio	n 3		(in the overview emotional	emotional in	plain the method of formation
Assiane	d Der	artment				,		_{[F} : 0 0000migi	
ディプロマ JABEE B3	アポリシ		<u>obje</u>	<u> </u>					
Teachin		hod							
Outline	.9	In thi and a	nalysis	se, you will lea s. To understa processing.	rn about the prind nd data processin	ciples and fundar g and analysis m	mental technic nethod, macro	ques required for creation method	data processing and emotional
Style		Stude	nt ma	sters this cour	se through lecture	es and seminar.			
Notice		The r	ecogni	ition of credit r	equires 60 points	or more rating.			
Charact	eristic	cs of Clas	s / Di	ivision in Le	arning				
□ Active	Learni	ng		☐ Aided by IC	т	☐ Applicable to	o Remote Clas	Instructo Experienced	r Professionally
	DI.								
Course	Plan		-T						
				eme			Goals		
		1st	Gui	idance			course.	scuss the goals ar	nd structure of this
		2nd	Inf	ormation proce	essing using comp	uter -1-	Learn the dat	a processing by E	xcel
		3rd	Inf	ormation proce	essing using comp	uter -1-	Learn the dat	a analysis by Exc	el
	1st Quart	4th	Inf	ormation proce	essing using comp	uter -2-	Learn the pro	gramming metho	od
	Quart	5th	Inf	ormation proce	essing using comp	uter -2-	Learn the pro	gramming metho	od
		6th			essing using comp			or Excel macro	
		7th			essing using comp		Create a mac		
1st		8th			essing using comp		Create a mac		
Semeste r		9th 10th		ormation proce ercise	essing using comp	outer -3-	Create a mac	ro using VBA	
•		11th			ation processing r	nethod -1-	Introduction t	to the trends in the rocessing method	ne emotional
	2nd	12th	Em	notional informa	ation processing r	nethod -2-	Learn about t	he details of the rocessing method	emotional
	Quart	er 13th	Em	notional informa	ation processing r	nethod -3-	Learn about o	lesigning and impormation process	lementing the
		14th	Exe	ercise			Exercise		
		15th	Fin	al Examination	1		Final Examina	tion	
		16th	Che	ecking the Fina	l Evaluation		Checking the	Final Evaluation	
Evaluati	ion M	ethod and	l Wei	ight (%)					
		Examinatio		Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total
Subtotal		70	- 1	0	0	0	30	0	100
Basic Abil	lity	0		0	0	0	0	0	0
						-	_		

Technical Ability	70	0	0	0	30	0	100
Interdisciplinar v Ability	0	0	0	0	0	0	0

То	oyama C	ollege	Year	2021		Course Title	Object-oriented Programing
Course	Informa	tion					
Course Co	ode	0015			Course Categor	ry Specializ	red / Elective
Class For	mat	Lecture			Credits	Academ	ic Credit: 2
Departme	ent	Course		ms Engineering	Student Grade	Adv. 1st	
Term		Second Ser	nester		Classes per We	eek 2	
Textbook Teaching							
Instructor		Hayase Yos	shikazu				
Course	Objectiv	es					
The lecture 1. Unders 2. Unders	re aims to stand the b stand UML	understand the asic object-or diagrams for the diagram for	ne object-orient iented concept object-oriented d analysis with	development.	s and analysis w	ith UML.	
Rubric							
			Ideal Level of <i>A</i> (Very Good)	Achievement	Standard Level (Good)	of Achievemen	Unacceptable Level of Achievement (Fail)
Evaluatio	n 1		Understand and the basic object concepts corre	t-oriented	Understand and the basic object concepts.		Does not understand the basic object-oriented concepts.
Evaluation	n 2		Understand and diagrams for old development o		Understand and diagrams for oldevelopment.	d can draw UML bject-oriented	Does not understand UML diagrams for object-oriented development.
Evaluation	n 3		Understand an object-oriented UML correctly.	d can adapt can I analysis with	Understand and object-oriented UML.	d can adapt can I analysis with	Does not understand object- oriented analysis with UML.
Assigne	d Depar	tment Obje	ctives				
ディプロマ JABEE B3	アポリシー E	3-3					
Teachin	g Metho	d					
Outline			the basic objec	t-oriented concep	ots. Perform exe	rcises for object	-oriented analysis with UML.
Style		Lecture and	d exercise				
Notice		Require the	score points o	f 60 or more to r	each the evaluat	ion standard of	JABEE.
Charact	eristics of	of Class / D	ivision in Le	arning			
☑ Active	Learning		☑ Aided by IC	Т	☑ Applicable to a positive to a positiv	o Remote Class	☐ Instructor Professionally Experienced
Course	Plan						
		Th	eme			Goals	
		1st So	ftware Enginee	ring Basics		Can describe the development of	ne basic knowledge of the software ycle.
		2nd Int	roduction to O	bject-Oriented De	esign	Can describe th Oriented Desig	ne basic knowledge of the Object- n.
		3rd Cla	sses basics			Can describe th	ne basic knowledge of the Classes.
	3rd	4th Inl	neritance, Abst	ract Classes		Can describe Ir	heritance and Abstract Classes.
	Quarter	5th Int	roduction to O	bject-Oriented Ar	alysis	Can describe th Oriented Analy	ne basic knowledge of the Objectsis.
		6th En	capsulation, In	formation Hiding,	Unit Testing	Can describe E Unit Testing.	ncapsulation, Information Hiding,
		7th Cre	eation of Team	Project		Can propose th	e tiny team project.
		8th Int	roduction to D	esign Patterns		Can describe the Patterns for the	ne basic knowledge of the Design e Object-Oriented.
2nd Semeste			quirements Ana agram	alysis with UML:	The Use Case	Can describe a Requirements <i>i</i>	Use Case Diagram for a Analysis.
			quirements Ana agram	alysis with UML:	The Class	Can describe a Analysis.	Class Diagram for a Requirements
			quirements Ana agram	alysis with UML:	The Sequence	Can describe a Requirements	Sequence Diagram for a Analysis.
	4th	12th Fu	nction model w	rith UML: The Act	ivity Diagram	Can describe a model.	n Activity Diagram for a Function
	Quarter	13th Sta	atic model with	UML: The Deploy	ment Diagram	Can describe a model.	Deployment Diagram for a Static
			namic model w agram	rith UML: The Cor	mmunication	Can describe a Dynamic mode	Communication Diagram for a l.
		15th Fir	ial Exam			Confirm the de object-oriented	gree of understanding of the basic concepts.
		16th Ex	planation of Fir	nal Exam		Explanation of final exam.	answer example and returning the
	_	od and We	:				

	Examination	Portfolio	Total	
Subtotal	70	30	100	
Basic Ability	60	20	80	
Technical Ability	10	10	20	

To	oyama C	College	Year	2021		Cours Title		Advanced (Engineering	Computational
Course	Informa	tion	·						
Course Co		0016			Course Category	Spec	ialize	d / Elective	
Class For		Lecture			Credits			Credit: 2	
Departme	ent	Control I Course	nformation Syste	ms Engineering	Student Grade	Adv.	1st		
Term		Second S	Semester		Classes per Wee	ek 2			
Textbook Teaching		CG Simu	lation based on C	IP method in Java	1				
Instructo		Furuyam	a Shoichi						
Course	Objectiv	es							
Rubric									
			Ideal Level of A (Very Good)		Standard Level (Good)	of Achieven	nent	Unacceptabl Achievemen	
Advection	n Equation		difficulty of advis explained.	r phenomena and vection equation	Understanding of equation.	of advection	l	Lack of unde advection ed	erstanding of quation.
	ll Simulation Equation	on for	and oscillation	numerical diffusion of advection mproved by CIP	Showing the nul and oscillation.	merical diff	usion		erstanding of or advection
Applicatio	on		(CFD) and Elec	Fluid Dynamics ctro Magnetic (S) based on CIP	Some physics si on CIP method.	mulation ba	ased	Lack of undenumerical si	erstanding of imulation.
Assiane	d Depar	tment Ob	iectives					,	
ディプロマ	7ポリシー I		-						
JABEE B3	3								
Teachin	<u>ig Metho</u>	od							
Outline		To under	stand algorithms	for derivative equand numerical sim	uations, differentia	al equations a high spe	s, ma ed ca	trices. The pr	rogramming studied.
		rtechniqui							
Style		Coding for The reco	or numerical simu gnition of credit r al score is 60% o	ulation is main tas requires 60 points or less, students ca	k in each classes. or more rating.		e stuc	lents whose s	score is more than
Style		Coding for The recourse the fine 60% in e	or numerical simugnition of credit rall score is 60% ox-examination is	ulation is main tasl requires 60 points or less, students ca 60%.	k in each classes. or more rating. In take ex-examin		e stuc	lents whose s	score is more than
Notice		Coding for The reco If the find 60% in e	or numerical simu gnition of credit r al score is 60% o x-examination is mination (70%),	ulation is main tasl requires 60 points or less, students ca 60%. Coding reports (3	k in each classes. or more rating. In take ex-examin		e stuc	lents whose s	score is more than
Notice Charact	eristics (Coding for The reco If the find 60% in e	or numerical simugnition of credit rall score is 60% ox-examination is	ulation is main tas requires 60 points or less, students ca 60%. Coding reports (3	k in each classes. or more rating. In take ex-examin	nation. The		☐ Instructo	or Professionally
Notice Charact		Coding for The reco If the find 60% in e	or numerical simu gnition of credit r al score is 60% o ex-examination is mination (70%), Division in Le	ulation is main tas requires 60 points or less, students ca 60%. Coding reports (3	k in each classes. or more rating. In take ex-examin	nation. The		1	or Professionally
Notice Charact Active	Learning	Coding for The reco If the find 60% in e	or numerical simu gnition of credit r al score is 60% o ex-examination is mination (70%), Division in Le	ulation is main tas requires 60 points or less, students ca 60%. Coding reports (3	k in each classes. or more rating. In take ex-examin	nation. The		☐ Instructo	or Professionally
Notice Charact	Learning	Coding for The reconstruction of the final example of Class /	or numerical simugnition of credit rall score is 60% ox-examination (70%), Division in Le	ulation is main tas requires 60 points or less, students ca 60%. Coding reports (3	k in each classes. or more rating. on take ex-examin 0%)	nation. The		☐ Instructo	or Professionally
Notice Charact Active	Learning	Coding for The recould the find 60% in each of Class /	or numerical simugnition of credit rall score is 60% ox-examination is mination (70%), Division in Le Aided by IC	ulation is main tas requires 60 points or less, students ca 60%. Coding reports (3 carning	k in each classes. or more rating. on take ex-examin 0%) Applicable to	Remote Cl	ass	☐ Instructor Experienced	or Professionally
Notice Charact Active	Learning	Coding for The recourse from 160% in e Final exa of Class /	or numerical simugnition of credit ral score is 60% ox-examination is mination in Le Aided by IC Theme Guidance. Advect	ulation is main tas requires 60 points or less, students ca 60%. Coding reports (3 carning	k in each classes. or more rating. on take ex-examin 0%) Applicable to	Remote Cl Goals	ass n for <i>i</i>	☐ Instructor Experienced	or Professionally I
Notice Charact Active	Learning	Coding for The reconstruction of the final example of Class /	or numerical simulgnition of credit real score is 60% of ex-examination is mination (70%), Division in Le Aided by IC Theme Guidance. Advectors	ulation is main tast requires 60 points or less, students ca 60%. Coding reports (3 rearning) CT Lion Equation. Advection Equatic	k in each classes. or more rating. on take ex-examin O%) Applicable to in take to the content of the content	Remote Cl Goals Introduction	ass n for a	☐ Instructor Experienced Advection Equal (Upwind sch	or Professionally Lation. Demo
Notice Charact Active	Plan	Coding for The recourse from 160% in each of Class /	or numerical simulgnition of credit real score is 60% of exexamination is mination (70%), Division in Le Aided by IC Theme Guidance. Advect Descritization for Descritization for	ulation is main tast requires 60 points or less, students ca 60%. Coding reports (3 carning CT Lion Equation. Advection Equation Advection Equation	k in each classes. or more rating. on take ex-examination. Applicable to the control on the con	Remote Cl Goals Introduction	ass n for a ethom	☐ Instructor Experienced	or Professionally Lation. Demo
Notice Charact Active	Plan 3rd	Coding for The recourse recour	or numerical simulgnition of credit real score is 60% of ex-examination is mination (70%), Division in Le Aided by IC Theme Guidance. Advect Descritization for Descritization for Descritization for	ulation is main tast requires 60 points or less, students ca 60%. Coding reports (3 carning CT Cion Equation. Advection Equation Advection Equation Advection Equation	k in each classes. or more rating. on take ex-examination. Applicable to a continuous c	Goals Introduction 1st order m 2nd order n CIP method	ass n for a ethoo netho	☐ Instructor Experienced Advection Equal (Upwind school (Lax-Wendi	or Professionally Lation. Demo
Notice Charact Active	Plan	Coding for The recourse recour	or numerical simugnition of credit rall score is 60% ox-examination is mination (70%), Division in Le Aided by IC Theme Guidance. Advect Descritization for Descr	ulation is main tast requires 60 points or less, students ca 60%. Coding reports (3 carning CT Lion Equation. Advection Equation Advection Equation	k in each classes. or more rating. on take ex-examinate ex-ex-examinate ex-examinate ex-examinat	Goals Introduction St order method Programmin	ass for a ethoromethoromethoromy for	Instructor Experienced Advection Equal (Upwind school (Lax-Wender CIP method	pr Professionally Luation. Deme) roff method)
Notice Charact Active Course	Plan 3rd	Coding for The recourse recour	or numerical simulgnition of credit real score is 60% of ex-examination is mination (70%), Division in Le Aided by IC Theme Guidance. Advect Descritization for Descritization for Descritization for	ulation is main tast requires 60 points or less, students ca 60%. Coding reports (3 carning CT Cion Equation. Advection Equation Advection Equation Advection Equation	k in each classes. or more rating. on take ex-examinate ex-ex-examinate ex-examinate ex-examinat	Goals Introduction St order method Programmir Higher accu	ass for a ethod nethod ng for racy	Instructor Experienced Advection Equity (Upwind schall (Lax-Wend) CIP method scheme for C	pr Professionally Luation. Deme) roff method)
Notice Charact Active Course	Plan 3rd	Coding for The recourse reconstructions recourse	or numerical simulgnition of credit real score is 60% of exercises of the second of th	ulation is main tast requires 60 points or less, students ca 60%. Coding reports (3 carning CT Cion Equation. Advection Equation Advection Equation Advection Equation	k in each classes. or more rating. on take ex-examinate ex-ex-examinate ex-examinate ex-examinat	Goals Introduction Signature of the control of the	ass n for a ethodonethology for racy and of	Instructor Experienced Advection Equity (Upwind schall (Lax-Wend) CIP method scheme for C	or Professionally Lation. neme) roff method)
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Notice Charact Active Course 2nd Semeste r	Plan 3rd Quarter 4th Quarter	Coding for The recourse recour	or numerical simulgnition of credit rall score is 60% of exexamination is mination (70%), Division in Le Aided by IC Theme Guidance. Advect Descritization for D	ulation is main tasifequires 60 points requires 60 points of 60%. Coding reports (3 transports) carning CT cion Equation. Advection Equation	k in each classes. or more rating. on take ex-examinate ex-ex-examinate ex-examinate ex-examinat	Goals Introduction Ist order method Programmir Method M	ass n for a ethod nethod nethod nethod nethod netic nal Fi ng for netic ulatio natio	Advection Equal (Upwind scheme for C. Higher accuration Equal two dimensions Simulation (Equal Dynamics (CFD) all simulation (Equal Dynamics (ET)).	uation. neme) roff method) IP method acy scheme for CIP onal CIP method EMS)
Notice Charact Active Course 2nd Semeste r	Plan 3rd Quarter 4th Quarter	Coding for The recourse recour	or numerical simulgnition of credit rall score is 60% of exexamination is mination (70%), Division in Le Aided by IC Theme Guidance. Advect Descritization for De	computing (HPC) computing (HPC	k in each classes. or more rating. on take ex-examinate ex-ex-examinate ex-examinate ex-examinat	Goals Introduction Ist order method Programmir Method M	ass n for a ethod nethod nethod nethod nethod netic nal Fi ng for netic ulatio natio	Advection Equal (Upwind scheme for C. Higher accuration Equal two dimensions Simulation (Equal Dynamics (CFD) all simulation (Equal Dynamics (ET)).	uation. neme) roff method) IP method acy scheme for CIP onal CIP method EMS)
Notice Charact Active Course 2nd Semeste r	Plan 3rd Quarter 4th Quarter	Coding for The recourse recour	or numerical simulgnition of credit rall score is 60% of ex-examination is mination (70%), Division in Le Aided by IC Theme Guidance. Advect Descritization for Descritization for Descritization for Descritization for Descritization for Descritization for Higher accuracy Multi Dimension Multi Dimension Application for phapplication for phapplicat	conjunction is main tast requires 60 points or less, students can 60%. Coding reports (3 tarning) Coding reports (3 tarning) Coding reports (3 tarning) Coding reports (4 tarning) Coding reports (5 tarning) Coding reports (6 tarning) Evaluation. Advection Equation Advection Equation Advection Equation Advection Equation Advection Equation Advection Equation Physics Computing (HPC) Computing (HPC) Coding Evaluation Mutual Evaluations But a levaluations Mutual Evaluations But a levaluations Evaluations But a levaluations Evaluations But a levaluations	k in each classes. or more rating. on take ex-examination (a) (b) (c) (c) (c) (c) (d) (d) (d) (d) (d) (d) (d) (d) (d) (d	Goals Introduction Ist order m Interpretation CIP method Programmir Higher accu Programmir Higher accu Programmir Higher hod Two dimens Programmir Electro Mag Computatio Programmir HPC for nur GPGPU calc Final Exami Checking th	ass n for a ethod nethod nethod nethod nethod netic nal Fi ng for netic ulatio natio	Advection Equit (Upwind scheme for CIP method two dimensics Simulation (Equit Dynamics CFD al simulation in al Evaluation	pr Professionally Luation. neme) roff method) IP method acy scheme for CIP onal CIP method EMS) s (CFD)
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Interdisciplinar y Ability	0	0	0	О	0	0	0

- 10	oyama C	ollege	Year	2021			Intelligent Information Processing
<u>Course</u>	Informa	tion					
Course Co		0017			Course Category		ed / Elective
Class Forr	mat	Lecture	· · · · · ·		Credits	Academi	Credit: 2
Departme	ent	Control Ir	formation Syste	ms Engineering	Student Grade	Adv. 1st	
Term		Second Se	emester		Classes per Wee	ek 2	
Textbook	and/or Materials						
Instructor		Akiguchi S	Shunsuke				
	Objectiv						
Through t	this course	, understand	ding of the follow jic, Genetic Algoi	ving will be facilita rithm, Reinforcem	ted. ent Learning and	Neural Networ	<
Rubric			1				
			Ideal Level of A (Very Good)	Achievement	Standard Level (Good)	of Achievement	Unacceptable Level of Achievement (Fail)
Evaluation	n 1			tands the zzy logic, and ility to make an ram containing	Ability to explain and concept of F displays the abil program contain	Fuzzy logic, and ity to make a	Unable to explain the overview and concept of Fuzzy logic.
Evaluation	n 2		Clearly underst overview of Ge and displays th an advanced r	enetic Algorithm, ne ability to make	Ability to explain and concept of (Algorithm, and c ability to make a containing Gene	Genetic displays the a program	Unable to explain the overview and concept of Genetic Algorithm.
Evaluation	n 3		Clearly underst overview of Re Learning, and distillity to make program conta Reinforcement	tands the inforcement displays the an advanced ining	Ability to explair and concept of F Learning, and di ability to make a containing Reinf Learning.	n the overview Reinforcement splays the a program	Unable to explain the overview and concept of Reinforcement Learning.
Evaluation	n 4		Clearly underst	tands the eural Network, ne ability to make program	Ability to explair and concept of Nand displays the a program contant Network.	Neural Network ability to make	Unable to explain the overview and concept of Neural Network
Assigne	d Depar	tment Obj	ectives		•		•
ディプロマ							
IVDEL DO		, ,					
	s ng Metho	d	ما النسيد معس		sinles and firedow		an wanting of fau Cafe Campaning T
Teachin		In this co		arn about the prince			
Teachin Outline		In this co- understar Student n	nd Fuzzy logic, G nasters this cour	enetic Algorithm, se through lecture	Reinforcement Le es and seminar.		es required for Soft Computing.To Iral Network.
JABEE B3 Teachin Outline Style Notice		In this co- understar Student n	nd Fuzzy logic, G nasters this cour	enetic Algorithm,	Reinforcement Le es and seminar.		
Teachin Outline Style Notice	ng Metho	In this counderstar Student n	nd Fuzzy logic, G nasters this cour	enetic Algorithm, se through lecture equires 60 points	Reinforcement Le es and seminar.		
Teachin Outline Style Notice Charact	ng Metho	In this counderstar Student n	nd Fuzzy logic, G nasters this cour nition of credit r	enetic Algorithm, se through lecture equires 60 points arning	Reinforcement Le es and seminar.	earning and Neu	
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	16th	Checking the Fina	l Evaluation		Checking the	Final Evaluation	1
Evaluation M	lethod and V	Veight (%)					
	Examination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total
Subtotal	70	0	0	0	30	0	100
Basic Ability	0	0	0	0	0	0	0
Technical Ability	70	0	0	0	30	0	100
Interdisciplinar y Ability	0	0	0	0	0	0	0

10	oyama C	ollege	Year	2021			Advanced Applied Mathematics
Course	Informa	tion					
Course Co		0018			Course Categor		ed / Compulsory
Class For	mat	Lecture			Credits	Academic	: Credit: 2
Departme	ent	Control Info Course	ormation Syster	ms Engineering	Student Grade	Adv. 1st	
Term		First Semes	ster		Classes per Wee	ek 2	
Textbook Teaching							
Instructor		Sakurai Hic	leto				
Course	Objectiv	es					
1) unders 2) unders	stand and o stand and o	carry out fund carry out fund	amental calcula	e able to ations on gamma ations on Bessel fu ations on Legendr	inction correctly.	•	itly.
Rubric							
			Ideal Level of A (Very Good)	Achievement	Standard Level (Good)	of Achievement	Unacceptable Level of Achievement (Fail)
Evaluatio	n 1		to carry out fur	gamma function	Ability to undersout fundamenta gamma function function.	al calculations ór	Does not display understanding and is unable to carry out fundamental calculations on gamma function and beta function.
Evaluatio	n 2		to carry out fur	ands, and is able ndamental Bessel function.	Ability to undersout fundamenta Bessel function.	al calculations ór	Does not display understanding and is unable to carry out fundamental calculations on Bessel function.
Evaluatio	valuation 3		calculations on Legendre calculations on Legendre calculation.		Ability to undersout fundamenta Legendre functi	al calculations or	Does not display understanding and is unable to carry out fundamental calculations on Legendre function.
		tment Obje	ctives				
ディプロマ JABEE B1	7ポリシー E	3-1					
	ng Metho	d					
Outline		In this cour Bessel fund	tion, and Leger	ill learn about the ndre function. And eering and physic	l. students will m	s, specifically: ga nake basics calcu	mma function, beta function, llations of special functions and
Style			adons to engin				
		lectures an	d exercises	leering and priysic	:S.		
Notice		This course	uses mathema	atics learned in pr	evious years.		
Notice	oristics	This course The recogn	uses mathema ition of credit re	atics learned in pr equires 60 points	evious years.		
Charact		This course The recogn of Class / D	uses mathema ition of credit re ivision in Lea	atics learned in pr equires 60 points arning	evious years. or more rating.	Dameta Class	☐ Instructor Professionally
Charact	ceristics (This course The recogn of Class / D	uses mathema ition of credit re	atics learned in pr equires 60 points arning	evious years.	Remote Class	☐ Instructor Professionally Experienced
Charact Active	e Learning	This course The recogn of Class / D	uses mathema ition of credit re ivision in Lea	atics learned in pr equires 60 points arning	evious years. or more rating.	Remote Class	☐ Instructor Professionally Experienced
Charact Active	e Learning	This course The recogn of Class / D	uses mathema ition of credit re ivision in Lea Aided by IC	atics learned in pr equires 60 points arning	evious years. or more rating. Applicable to		☐ Instructor Professionally Experienced
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Evaluation Method and Weight (%)									
	Examination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total		
Subtotal	70	0	0	0	30	0	100		
Basic Ability	70	0	0	0	30	0	100		
Technical Ability	0	0	0	0	0	0	0		
Interdisciplinar y Ability	0	0	0	0	0	0	0		

to: 1. calculate energy equation. 2. calculate transequation. 3. caluculate entrest equation. 3. caluculate entrest energy equation. 4. caluculate energy equation. Evaluation 1 Evaluation 2 Evaluation 3 Evaluation 4 Assigned Deparation and D	0019 Lectur Contriction First S refere Ohtak ives the basis ly, wave furmission an	ol Information Systems Engine Ence: 「量子力学・統計力学入F Ence: 「量子力学・統計力学入F Ence Yukiko of quantum mechanics and st Inction and existence probabil d reflection probability of part erature and pressure by using essure by using canonical ensempto of the particles of the probability of particles of in potential wells by soly Schrödinger's equation the well walls have finit One can calculate trans and reflection probability particle incident to pote barriers of finite width be solving Schrödinger's explain the sol	Crineering Stormeering Stormeering Stormeering Stormeering Stormeering Stormeering Market Stormeering Market Stormeering Stor	echanics. On colicles confined in part to step-wise p	Academic Adv. 1st 2 (裳華房) mpletion of the octential wells otential barried Achievement energy, wave ence icles confined by solving uation when e infinite transmission	Unacceptable Level of Achievement (Fail) One cannot calculate energy,
Class Format Department Term Textbook and/or Teaching Materia Instructor Course Object The course treats to: 1. calculate energequation. 2. calculate trans equation. 3. caluculate entre 4. caluculate energequation Evaluation 1 Evaluation 2 Evaluation 3 Evaluation 4 Assigned Department of the property of the prop	Lectu Contri Cours First S refere Ohtak ives the basis ly, wave fu	ol Information Systems Engine Ence: 「量子力学・統計力学入F Ence: 「量子力学・統計力学入F Ence Yukiko of quantum mechanics and st Inction and existence probabil d reflection probability of part erature and pressure by using essure by using canonical ensempto of the particles of the probability of particles of in potential wells by soly Schrödinger's equation the well walls have finit One can calculate trans and reflection probability particle incident to pote barriers of finite width be solving Schrödinger's explain the sol	Crineering Stormeering Stormeering Stormeering Stormeering Stormeering Stormeering Market Stormeering Market Stormeering Stor	Credits Classes per Week Classes per Week E·岩松雅夫 共著 echanics. On conticles confined in particular ensemble. Classes per Week E·岩松雅夫 共著 echanics. On conticles confined in particular ensemble. Classes per Week Confidence on calculate for potential wells of particular ensemble ender effection processor of particular ensemble. Confidence on calculate ender effection processor calculate ender effection processor ensemble. Confidence on calculate ender effection processor ensemble.	Academic Adv. 1st 2 (裳華房) mpletion of the octential wells otential barried Achievement energy, wave ence icles confined by solving uation when e infinite transmission	c Credit: 2 e course the student shall be able by solving Schrödinger's s by solving Schrödinger's Unacceptable Level of Achievement (Fail) One cannot calculate energy, wave function and existence probability of particles confined in potential wells by solving
Department Term Textbook and/or Teaching Materia Instructor Course Object The course treats to: 1. calculate energequation. 2. calculate transequation. 3. caluculate enter 4. caluculate enter Rubric Evaluation 1 Evaluation 2 Evaluation 3 Evaluation 4 Assigned Depart Turkly > JABEE B1 Teaching Methoutline Style Notice Characteristics	Contr Cours First 9 S refere Ohtak ives the basis by, wave furmission an	ol Information Systems Engine Ence: 「量子力学・統計力学入F Ence: 「量子力学・統計力学入F Ence Yukiko of quantum mechanics and st Inction and existence probabil d reflection probability of part erature and pressure by using essure by using canonical ensempto of the particles of the probability of particles of in potential wells by soly Schrödinger's equation the well walls have finit One can calculate trans and reflection probability particle incident to pote barriers of finite width be solving Schrödinger's explain the sol	Reering St CI CI CI EI CI	Etudent Grade Classes per Week E·岩松雅夫 共著 echanics. On conticles confined in pure to step-wise pronical ensemble. Standard Level of (Good) One can calculate function and exist probability of part potential wells Schrödinger's equite well walls have beight. One can calculate and reflection production production and exist probability of part potential wells and part well walls have beight.	Adv. 1st 2 (裳華房) mpletion of the octential wells otential barries Achievement energy, wave ence cicles confined by solving uation when e infinite transmission	Unacceptable Level of Achievement (Fail) One cannot calculate energy, wave function and existence probability of particles confined in potential wells by solving
Term Textbook and/or Teaching Materia Instructor Course Object The course treats to: 1. calculate energequation. 2. calculate trans equation. 3. caluculate entr 4. caluculate energent energen	Cours First 9 First 9 Ohtak Vives The basis By, wave furmission an	e Semester Semester Sence: 「量子力学・統計力学入所 See Yukiko of quantum mechanics and stanction and existence probabil d reflection probability of particles are by using canonical ensions Ideal Level of Achievem (Very Good) One can calculate energy function and existence probability of particles of in potential wells by soly Schrödinger's equation the well walls have finite to pote barriers of finite width be solving Schrödinger's existence of the solving Schrödinger's existence of th	tatistical me ility of partice incident g microcano semble. pent St. (Graph of the semission to the incident labeled in when the height. In when the height in which is the height	Classes per Week 三·岩松雅夫 共著 echanics. On conficient confined in part to step-wise part on calculate function and exist probability of part potrential wells protection in part of conficient conficient conficient conficient conficient conficient conficient. One can calculate and reflection process conficient	2 (裳華房) mpletion of the octential wells otential barrier Achievement energy, wave ence icles confined by solving uation when e infinite transmission	by solving Schrödinger's s by solving Schrödinger's Unacceptable Level of Achievement (Fail) One cannot calculate energy, wave function and existence probability of particles confined in potential wells by solving
Textbook and/or Teaching Materia Instructor Course Object The course treats to: 1. calculate energequation. 2. calculate transequation. 3. caluculate entre energence	Ohtakives the basis by, wave furmission an	ince: 「量子力学・統計力学入序 te Yukiko of quantum mechanics and stanction and existence probabil d reflection probability of particessure by using canonical ensibles of Achievem (Very Good) One can calculate energing function and existence probability of particles of in potential wells by soly Schrödinger's equation the well walls have finite the particle incident to pote barriers of finite width be solving Schrödinger's existence of the solving Schrödinger's existence probability of particles to the well walls have finite the solving Schrödinger's existence of t	tatistical me ility of partic ticle incident g microcano semble. Semble Sembl	echanics. On conficient confined in part to step-wise part onical ensemble. Standard Level of (Good) One can calculate for object on the potential wells of part of potential wells have been declared in potential walls have been declared reflection processor of the well walls have been declared reflection processor of the well walls have been declared reflection processor of the well walls have been declared reflection processor of the well walls have been declared reflection processor of the well walls have been declared reflection processor of the well-walls have been declared to the well-wall have been declared to the well-wall	mpletion of the potential wells otential barried Achievement energy, wave ence cicles confined by solving uation when e infinite	by solving Schrödinger's s by solving Schrödinger's Unacceptable Level of Achievement (Fail) One cannot calculate energy, wave function and existence probability of particles confined in potential wells by solving
Teaching Materia Instructor Course Object The course treats to: 1. calculate energequation. 2. calculate transequation. 3. caluculate entre. 4. caluculate energeners Rubric Evaluation 1 Evaluation 2 Evaluation 3 Evaluation 4 Assigned Departer Depart	Ohtak ives the basis y, wave fu	of quantum mechanics and stanction and existence probability of parterature and pressure by using canonical ensure by usin	tatistical me ility of partic ticle incident g microcano semble. nent St (G gy, wave confined lving n when te height. he smission ty of ential by po	echanics. On concicles confined in part to step-wise ponical ensemble. Standard Level of (Good) One can calculate function and exist probability of part part potential wells because the well walls have been can calculate and reflection process.	Achievement energy, wave ence icles confined by solving uation when e infinite	by solving Schrödinger's s by solving Schrödinger's Unacceptable Level of Achievement (Fail) One cannot calculate energy, wave function and existence probability of particles confined in potential wells by solving
Instructor Course Object The course treats to: 1. calculate energe equation. 2. calculate trans equation. 3. caluculate entr 4. caluculate energe Rubric Evaluation 1 Evaluation 2 Evaluation 3 Evaluation 4 Assigned Depart ディプロマポリシー JABEE B1 Teaching Meth Outline Style Notice Characteristics	Ohtak ives the basis gy, wave fu mission an	of quantum mechanics and stanction and existence probability of parterature and pressure by using canonical ensure by usin	tatistical me ility of partic ticle incident g microcano semble. nent St (G gy, wave confined lving n when te height. he smission ty of ential by po	echanics. On concicles confined in part to step-wise ponical ensemble. Standard Level of (Good) One can calculate function and exist probability of part part potential wells because the well walls have been can calculate and reflection process.	Achievement energy, wave ence icles confined by solving uation when e infinite	by solving Schrödinger's s by solving Schrödinger's Unacceptable Level of Achievement (Fail) One cannot calculate energy, wave function and existence probability of particles confined in potential wells by solving
Course Object The course treats to: 1. calculate energe equation. 2. calculate trans equation. 3. caluculate entr 4. caluculate energe Rubric Evaluation 1 Evaluation 2 Evaluation 3 Evaluation 4 Assigned Depart ディプロマポリシー JABEE B1 Teaching Meth Outline Style Notice Characteristics	the basis by, wave fu mission an	of quantum mechanics and stanction and existence probabil direction probability of partices are and pressure by using canonical ensignature and pressure by using canonical ensignature probability of particles of in potential wells by soly Schrödinger's equation the well walls have finite to concern the probability particle incident to pote barriers of finite width be solving Schrödinger's expression of the probability particle incident to pote barriers of finite width be solving Schrödinger's expression of the probability particle incident to pote barriers of finite width be solving Schrödinger's expression of the probability particle incident to pote barriers of finite width be solving Schrödinger's expression of the probability particles incident to pote barriers of finite width be solving Schrödinger's expression of the probability particles for the proba	g microcano semble. Step of partic process of the confined lying of the confined by of ential points of the confined by of ential process of the confined by of ential process of the confined by of ential process of the confined by the confined by the confined process of the confined process o	icles confined in part to step-wise ponical ensemble. Standard Level of (Good) One can calculate function and exist probability of part notential wells schrödinger's equals have beight. One can calculate and reflection processors	Achievement energy, wave ence icles confined by solving uation when e infinite transmission	by solving Schrödinger's s by solving Schrödinger's Unacceptable Level of Achievement (Fail) One cannot calculate energy, wave function and existence probability of particles confined in potential wells by solving
The course treats to: 1. calculate energequation. 2. calculate trans equation. 3. caluculate entrest equation. 4. caluculate energements entrest entr	the basis yy, wave fu mission an opy, tempe	Inction and existence probability of particles and pressure by using canonical ensignature and pressure by using canonical ensignature probability of particles of in potential wells by soly Schrödinger's equation the well walls have finite barriers of finite width be used to	g microcano semble. Step of partic process of the confined lying of the confined by of ential points of the confined by of ential process of the confined by of ential process of the confined by of ential process of the confined by the confined by the confined process of the confined process o	icles confined in part to step-wise ponical ensemble. Standard Level of (Good) One can calculate function and exist probability of part n potential wells Schrödinger's equals have beight. One can calculate and reflection processors	Achievement energy, wave ence icles confined by solving uation when e infinite transmission	by solving Schrödinger's s by solving Schrödinger's Unacceptable Level of Achievement (Fail) One cannot calculate energy, wave function and existence probability of particles confined in potential wells by solving
to: 1. calculate energequation. 2. calculate transequation. 3. caluculate entresequation. 3. caluculate entresequation. 4. caluculate energements Evaluation 1 Evaluation 2 Evaluation 3 Evaluation 4 Assigned Departer Assigned Departer Arguration Augustation Augustat	yy, wave fu mission an opy, tempe	Inction and existence probability of particles and pressure by using canonical ensignature and pressure by using canonical ensignature probability of particles of in potential wells by soly Schrödinger's equation the well walls have finite barriers of finite width be used to	g microcano semble. Step of partic process of the confined lying of the confined by of ential points of the confined by of ential process of the confined by of ential process of the confined by of ential process of the confined by the confined by the confined process of the confined process o	icles confined in part to step-wise ponical ensemble. Standard Level of (Good) One can calculate function and exist probability of part n potential wells Schrödinger's equals have beight. One can calculate and reflection processors	Achievement energy, wave ence icles confined by solving uation when e infinite transmission	by solving Schrödinger's s by solving Schrödinger's Unacceptable Level of Achievement (Fail) One cannot calculate energy, wave function and existence probability of particles confined in potential wells by solving
Evaluation 1 Evaluation 2 Evaluation 3 Evaluation 4 Assigned Depair イプロマポリシーJABEE B1 Teaching MethOutline Style Notice Characteristics		Ideal Level of Achievem (Very Good) One can calculate energe function and existence probability of particles of in potential wells by soly Schrödinger's equation the well walls have finite. One can calculate transand reflection probability particle incident to pote barriers of finite width be solving Schrödinger's expenses.	gy, wave for the confined lying for when the height. Some semission to for the confined lying for the height. The confined lying for the height lying for th	(Good) One can calculate unction and exist or obability of parin potential wells for calculate walls have been can calculate and reflection products.	energy, wave ence icles confined by solving uation when e infinite transmission	Achievement (Fail) One cannot calculate energy, wave function and existence probability of particles confined in potential wells by solving
Evaluation 1 Evaluation 2 Evaluation 3 Evaluation 4 Assigned Departion 3 Assigned Departion 3 Assigned Departion 3 Teaching Method 1 Outline Style Notice Characteristics		(Very Good) One can calculate energy function and existence probability of particles of in potential wells by soly Schrödinger's equation the well walls have finite. One can calculate transpand reflection probability particle incident to pote barriers of finite width be solving Schrödinger's existence.	gy, wave confined ving s when re height. Smission ty of ential possible confined by of confined by of confined by of confined propertial properties and properties are p	(Good) One can calculate unction and exist or obability of parin potential wells for calculate walls have been can calculate and reflection products.	energy, wave ence icles confined by solving uation when e infinite transmission	Achievement (Fail) One cannot calculate energy, wave function and existence probability of particles confined in potential wells by solving
Evaluation 2 Evaluation 3 Evaluation 4 Assigned Depair イプロマポリシーJABEE B1 Teaching MethOutline Style Notice Characteristics		function and existence probability of particles of in potential wells by soly Schrödinger's equation the well walls have finite. One can calculate transmand reflection probabilit particle incident to pote barriers of finite width be solving Schrödinger's expression of the solving Schrödinger's existence of the solving Schröding	confined in priving some tential property of the property of t	function and exist probability of part no potential wells for school well walls have neight. One can calculate and reflection programs	ence victors and the confined by solving uation when the infinite transmission	One cannot calculate energy, wave function and existence probability of particles confined in potential wells by solving
Evaluation 3 Evaluation 4 Assigned Depa ディプロマポリシー JABEE B1 Teaching Meth Outline Style Notice Characteristics		and reflection probabilit particle incident to pote barriers of finite width b solving Schrödinger's e	smission Or ty of ar ential pa	One can calculate and reflection pro	transmission	
Evaluation 4 Assigned Depa ディプロマポリシー JABEE B1 Teaching Meth Outline Style Notice Characteristics			equation. So	ootential barriers	o step-wise by solving	One cannot calculate transmission and reflection probability of particle incident to step-wise potential barriers by solving Schrödinger's equation.
Assigned Depa ディプロマポリシ- JABEE B1 Teaching Meth Outline Style Notice Characteristics		One can caluculate entr temperature and pressu using microcanonical en in various cases.	ure by us	One can caluculat temperature and using microcanon n the cases of fre narmonic oscillato	pressure by ical ensemble e particles an	One cannot caluculate entropy, temperature and pressure by dusing microcanonical ensemble.
ディプロマポリシ- JABEE B1 Teaching Meth Outline Style Notice Characteristic		One can caluculate ener pressure by using canor ensemble in various cas	rgy and pr nical er ses. pa	One can caluculate oressure by using the consemble in the constitution arricles and harroscillators.	canonical ases of free	One cannot caluculate energy and pressure by using canonical ensemble.
ディプロマポリシ- JABEE B1 Teaching Meth Outline Style Notice Characteristic	artment	Obiectives				
Teaching Methoutline Style Notice Characteristics						
Outline Style Notice Characteristic						
Style Notice Characteristic						
Notice Characteristics	The c mode	ourse treats the basis of quar rn technology such as nanote	ntum mecha echnology ar	nanics and statisti and crvogenic tec	cal mechanics hnology.	which are essential to understand
Notice Characteristics	The s	chedule of this lecture might	be slightly c			easily follow. Student masters this
Characteristic		e through lectures and semin				(400()) = = d t= === = = d
	exam	nal grade will be calculated a ination (60%). The recognition	n of credit re	requires 60 point	ocess: reports s or more rati	(40%) and term-end ng.
□ Active Learnin	of Class	s / Division in Learning				
	g	☐ Aided by ICT		☐ Applicable to I	Remote Class	☐ Instructor Professionally Experienced
Course Plan				т		
		Theme			oals	
	1st	Wave-particle duality		Br	oglie waves, c	ton scattering, photons, de louble-slit experiment
	2nd	Framework of quantum m	echanics 1	w re	ave function, l lation, Schröd	Hermitian operator, commutation inger's equation
	3rd	Framework of quantum m	echanics 2	SL	perposition pr	inciple, uncertainty principle
1st	4th	Schrödinger's equation 1				d in potential wells (lecture)
1st Ouarte	1	Schrödinger's equation 2				d in potential wells (seminar)
Semeste Caraca r	r 5th	Schrödinger's equation 3			rticle incident ecture)	to step-wise potential barriers
	r <u>5th</u> 6th	Caloui diserrale		pa		to step-wise potential barriers
	'	Schrödinger's equation 4				to potential barriers of finite oscillator (lecture)
2nd Quarte	6th	Schrödinger's equation 4 Schrödinger's equation 5		1 4 4		ensemble (lecture)

		10th	Statistical mechar	nics 2		microcanonica	ıl ensemble (sei	minar)	
		11th	Statistical mechar	nics 3		canonical ense	emble (lecture)		
		12th	Statistical mechanics 4		canonical ense	canonical ensemble (seminar)			
		13th	Statistical mechanics 5		grandcanonica	grandcanonical ensemble (lecture)			
	14th Statistical mechanics 6		grandcanonica	grandcanonical ensemble (seminar)					
	15th T		Term-end examin	ation					
	16th (Checking the final	l grade					
Evaluati	aluation Method and W		Weight (%)						
		Examination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total	
Subtotal		60	0	0	0	40	0	100	
Basic Abili	ty	60	0	0	0	40	0	100	
Technical Ability	Technical 0		0	0	0	0	0	0	
Interdiscip y Ability	linar	0	0	0	0	0	0	0	

То	oyama C	College	Year	2021		Course Title	Seminar on Mathematics and Physics Application		
Course	Informa	tion	•						
Course Co	ode	0020			Course Categor	y Speciali	zed / Elective		
Class Forr	mat	Lecture	· · · · · · ·		Credits	Academ	ic Credit: 2		
Departme	ent	Control II	nformation Syste	ms Engineering	Student Grade	Adv. 1st			
Term		Second S	emester		Classes per We	eek 2			
Textbook Teaching									
Instructor		Ito Nao							
Course	Objectiv	es							
tránsform	١.		•	•			Fourier transform and Laplace d special functions.		
Rubric			1- / 1		, , , ,				
			Ideal Level of	Achievement	Standard Level	of Achievemer			
			(Very Good)	understand the	(Good)		Achievement (Fail)		
Evaluation	า 1		Can properly u definition and Fourier transfo transform and and can solve application.	the nature of orm, Laplace special functions.	Can understand and the nature transform, Lapl and special fund solve fundamer	of Fourier ace transform ctions, and can	Cannot understand the definition and the nature of Fourier transform, Laplace transform and special functions, and cannot solve fundamental problems.		
Evaluation	า 2		techniques for	gineering field,	Can use mather techniques for problems in end can solve funda	physical gineering field,	Cannot use mathematical techniques for physical problems in engineering field, cannot solve fundamental problems.		
		tment Ob	jectives						
ディプロマ JABEE B1	?ポリシー I	B-1							
	g Metho	nd							
Outline	g i ictiic	Mathema	tics and physics	are important for	acquiring technic	cal knowledge o	of engineering. This course will		
Outille		focus on	exercise for calcu	ulating equations of	of mathematics a	and physics.			
Style		transform	n and special fun	ctions through exe	ercises. In the ph	nysics part, stud	ature of Fourier transform, Laplace dents will learn about classical nematical knowledge to them.		
Notice		Instead of focus on questions	of memorizing the understanding the whenever they ork on exercise o	e mathematics and	d the physics kno ninking. Instead of d something. Bec yay of self-learning	owledge, stude of being passiv cause this cours	nts are encouraged to study with e, students are expected to ask se focuses on exercise, students		
Charact	eristics	of Class /	Division in Le	arning					
☐ Active	Learning				☐ Applicable to	o Remote Class	☐ Instructor Professionally Experienced		
Course	Dlan								
Course	iali	-	Theme		T	Goals			
		1st t	Guidance and rev The lecture ma	view for mathemat kes guidance about ents review know t is needed for solution t in this course.	tics ut this course ledge of		rential equations treated in this		
		l2nd	Fourier transform Students learn expansion and ho	n (1) the definition of F ow to calculate the	ourier series - i	Can explain Fo its fundamenta	urier series expansion and calculate Il problems.		
		3rd	Fourier transform Students learn equations using f	tò solve partial dif	fferential	Can solve part Fourier series.	ial differential equations using		
2nd	3rd	4th	Fourier transform Students learn series to Fourier	the expansion fro	m Fourier	Can explain the Fourier transfo	e expansion from Fourier series to rm.		
Semeste r	Quarter	5th f	Students learn function and how	d Riemann zeta fu the definition of R to calculate parti- action using Parse ier series.	iemann zeta cular values of	function, and o	e definition of Riemann zeta can calculate particular values of function using Parseval's equation urier series.		
		6th	Exercise Students work from contents so	on exercises relat far.	ed to problems				
		l7th l	Laplace transforn Students learn cransform as exp	n (1) the definition of L ansion from Fouri	abiace i	Can explain the expansion from	ne definition of Laplace transform as n Fourier transform.		
		8th	Laplace transform		anlaco	Can calculate l functions.	aplace transform for fundamental		

		9	th	Laplace transform Students learn l	(3) _aplace inverse tr	ansform.	Can calculate L fundamental fu	aplace inverse inctions.	transform for
	:		.0th	equations using Laplace transform.			Can solve diffe transform	rential equatio	ns using Laplace
	12th		Laplace transform Students learn hequations from prusing Laplace trar	oblems of engine	rential ering field	Can solve diffe engineering fie		ns from problems of ce transform.	
			Laplace transform Students learn a described from La calculate particula	a formula of Gam place transform,	ma function and how to	Can explain the definition of Gamma function, and can calculate particular values of Gamma function.			
	Quarte	13th		Application of spe physics Students learn t using Riemann ze function.	o solve problems	of physics	Can solve phys function and G	sics problems u amma functior	ising Riemann zeta 1.
		1	4th	Exercise Students work of from Week 7 to W	on exercises relat /eek 13.	ed to problems			
		1	5th	Exercise Students work on exercises related to problems from Week 7 to Week 13.					
		1	.6th	Final Exam					
Evaluati	on Me	tho	d and V	Veight (%)					
	E	Exam	nination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total
Subtotal		70		0	0	0	30	0	100
Basic Abili	ity 3	35		0	0	0	15	0	50
Technical Ability	3	35		0	0	0	15	0	50

Toyama Coll	lege	Year 2021			ourse Title	Advanced Experiments	
Course Information	n						
Course Code	0021			Course Category		Specializ	ed / Compulsory
	•	: / Practical tra		Credits		Academi	c Credit: 2
	Control Info Course	ormation Syste	ems Engineering	Student Grade		Adv. 1st	
Term	First Semes	ster		Classes per Week 2		2	
Textbook and/or Teaching Materials							
Instructor	Shina Toru, Tsukasa.Yo	Akiguchi Shun shii Yotsumi.Fi	suke,Matoba Ryuid uruyama Shoichi	chi,Oguma Hiroshi,	,Tsul	kada Akir	a,Ito Nao,Mizumoto Iwao,Aso
Course Objectives		J 1 J.	<u> </u>				
	task, you c	an understand acquired tech	the expertise and nical knowledge.	evaluation metho	d coı	ncerning	system construction. In addition, it
Rubric							
		Ideal Level of	Achievement	Standard Level of	Ach	ievement	Unacceptable Level of Achievement)
(Research 1) (1) Back (2) Objectives, (3) Me Means, (4) Contents, (Obtained Results and I · Does the item include prospects?	(5) Discussion		cructure that is or insufficient and asy to	It has a reasonab composition.	le ite	em	There is a big deficiency in item composition.
(Research 2) Is sentence expression and chart display appropriate?		Is sentence ex diagram displa	pression and y appropriate?	them, but sentences and charts		ed, but some of and chart ed and	Many sentences and charts are inappropriate expressions and displays.
(Research 3) Is the ba and purpose properly described?	ickground	The backgrour are described i manner withou deficiency.		are properly described.		ourpose d.	The background and purpose are not properly described.
(Research 4) Is the means appropriate?	ethod /	The method / applied is the o	means used / optimal level.	Alternatively, it is and new.	арр	ropriate	The method / means used / applied is not appropriate.
(Research 5) Is logical development appropria		Very clearly, th developed.	ne logic is	developed.			It is not logically deployed.
(Research 6) Are critic rational thinking made	al allu	Discussion tha rational though utilized was de	nt was fully	Critical, considera rational thinking, described.			There is absolutely no consideration based on critical and rational thinking.
(Study 7) Is the result consideration on the w progress reasonable?	vay of	Very clear, rea consideration, drawn and des	results have been	Reasonable consideresults have been described.			There is no reasonable consideration, results.
(Research 8) Do you h proposed research plai future and have concre procedures reviewed? the problems and the planning done organize	n for the ete Also, are like in	The research padequately stuproblems in planted out, areasons and soclearly stated.	idied, and anning are nd reasonable	Research plans are being studied, and the paths and their problems in research execution are shown.		s and the	
(Presentation 1) (1) Background, (2) Object Method / Means, (4) C (5) Results and Discus Obtained · Items of th Perspective included?	sion	There was no deficiency, and structure whice easy to unders	d it was an item h was extremely	It was a reasonab composition.	ole ito	em	There was a big deficiency in item composition.
(Presentation 2) Were sentence expression o media and the chart d proper?	f the	Text and chart and displayed	s were expressed very easily.	Texts and charts expressed and dis there was a probl them, but sentenwere almost prop and displayed.	splay em i ces a	ed, but n some o and chart	Many sentences and charts were inappropriate expressions
(Presentation 3) Was I development of oral presentation reasonab		Very clearly, th developed.	ne logic had been	It was logically de	eploy	ed.	
Assigned Departm	nent Obje	ctives					
ディプロマポリシー C-2 JABEE C2)				_		
Teaching Method							
Outline	Ability to sy Ability to w	vstematically w		cally under the giv	en c	onstrăint	
Students		•	ks related to syste	m construction, th	roug	jh experir	nents, solving issues and
Notice	Omnibus fo	rmat					

Characteristics of Class / Division in Learning

☐ Active	Learnir	ng		☐ Aided by ICT	-	☐ Applicable t	o Remote Class	☐ Instructor Pr Experienced	ofessionally	
				·				· ·		
Course	Plan									
			Т	heme			Goals			
		1	lst N	atural Language	Processing		Practice of analysis of grammar by computer (CK) method) By CKY method, syntactic analysis can be done if there is dictionary rule of Chomsky standard form.			
		2	2nd N	atural Language	Processing		By the exercise c analysis (chart m possible to parse	ethod) by the cor	mputer, it is	
	1st Quarter 4th		Brd N	atural Language	Processing		You can write a p method and exer constructing pars chart method.	rocedure to prog cise CY and meth ing system by Ck	ram the CKY nod of (Y method and	
			łth N	latural Language	Processing		Exercise in constr system by CKY m (Summary) The a method, disadvar can be discussed.	ethod and chart advantages of CK ntages, calculatio	method Y method, chart	
		5	5th S	System Design		Designed by PSotused.	C PSoC devices a	nd tools can be		
	6th System Design				PSoC design Anal used.	og block of PSoC	device can be			
1st Semeste	meste		th S	ystem Design			Designed by PSo(can be used.	C Digital block of	PSoC device	
r			Sth S	ystem Design			Designed by PSoo device can be use	C Microcomputer ed.	block of PSoC	
		9	th L	earning Algorithm	ns		You can explain t			
		1	LOth L	earning Algorithm	าร		Exercise in constr Problem and Kna Algorithm.	ruction of Travelir psack Problem by	ng Salesman / using Genetic	
		1	L1th L	earning Algorithm	าร		You can present the result of Genetic Algoriand can discuss the advantages and disadvantages.			
	2nd Quarte		L2th N	lumerical Method			OpenCV Foundation (Image Processing) Guidan on Image Processing and Pattern Recognition You can explain the outline of OpenCV.			
		1	13th N	lumerical Method			OpenCV foundation (image processing) OpenCV can be installed and basic image processing can be performed.			
		1	L4th N	lumerical Method			OpenCV application (pattern recognition) It is possible to explain image analysis / pattern recognition by OpenCV.			
		1	L5th							
			L6th							
Evaluati	on Me	etho	d and W	eight (%)			1		1	
	Examination Presentation Behavior students		Behavior	Portfolio	Other	Total				
Subtotal		0		100	0	0	0	0	100	
Basic Abil	ity	0		20	0	0	0	0	20	
Technical Ability		0		80	0	0	0	0	80	
Interdisciplinar y Ability 0		0	0	0	0	0	0			

To	oyama C	College	Year	2021		Course Title	Advanced Experiments		
Course	Informa	tion	-1			•	•		
Course Co	ode	0022			Course Categor	y Specia	alized / Compulsory		
Class Forr	mat	 	t / Practical tra		Credits	Acade	emic Credit: 2		
Departme	ent	Control Inf	formation Syste	ems Engineering	Student Grade	Adv. 1	1st		
Term		Second Se	mester		Classes per We	eek 2			
Textbook Teaching									
Instructor		Tsukada A	kira,Ito Nao,Mi	zumoto Iwao,Aso	Tsukasa,Yoshii Y	otsumi			
Course	Objectiv	es		·	·				
Through o	challenges	, it is possible	to understand	technical expertis	e and evaluation	methods for	the development of systems. And, i		
Rubric	e to Summ	iarize ariu pui	onsii trie acquire	ed technical knowl	euge.				
Kubiic			Ideal Level of	Achievement	Standard Level	of Achievem	ent Unacceptable Level of		
			(Very Good)		(Good)		Achievement (Fail)		
Have a de solve the	esign capa problem.	bility to	and information	wide perspective	Have specialize that can meet t society.	d technologie the demands	Do not have technology that meets the demands of society.		
Have the PJ.	ability to p	perform the	the constraint	ne person can advance the PJ in and express the n and express it.	The team or the proceed with Powithin the limits	J systematica			
	y to resolv ne results (re issues and of the	the problem, in trends in the r lean be unders	elevant areas, tood and easily	The background the problem are understood, an explained easily	e almost d it can be	background or purpose of the problem, and cannot explain it		
Assigne	d Depar	tment Obj	explained to others.				-		
	アポリシー(
Teachin	g Metho	od							
Outline		Through the	ne experiments	, the expertise of ϵ build systems th	electronics and in	nformation te	chnology will be enhanced. We will		
Style				ed on 5 themes.	rough our tasks.				
Notice		The credit	approval requi	res more than 60 ¡	points.				
Charact	eristics	of Class / [<u>Division in Le</u>	arning	1				
□ Active	Learning		☐ Aided by IO	CT	☐ Applicable to	o Remote Cla	Instructor Professionally Experienced		
Course	Plan								
		TI	neme			Goals			
		1st D	eep learning pr	ogramming 1		To be able to and execute (recognition	o set up a development environment a sample program for deep learning of handwritten numbers).		
		2nd D	eep learning pr	ogramming 2		Set up a prol	blem that can be solved by deep team, and create a learning progran		
		3rd D	eep learning pr	ogramming 3			learning program and discuss the ned.		
	3rd Quarter	4th A	nalysis of data a ethod 1	analysis using stat	istical analysis	The statistica	al analysis method can be explained.		
			nalysis of data a ethod 2	analysis using stat	istical analysis	A statistical a perform basi	analysis method can be used to c data analysis.		
2nd		6th A	nalysis of data a	analysis using stat	stical analysis	The statistica analyze the a	al analysis method can be used to application data.		
Semeste r				ence with IoT Dev			e can be explained.		
•		8th H	ands-On Experi	ence with IoT Dev		You can experion device.	eriment with the basic features of an		
		9th H	ands-On Experi	ence with IoT Dev	ione 3	You can expe	eriment with the application of an IoT device.		
		10th Pl	nase sensitive a	mplifier training			ensitive amplifier can be explained.		
		11th Si		simulation of sign	ale huried in		cion in the noise is possible.		
	4th Quarter	h h		signal detection s	ystems	Detection of	a weak signal is possible.		
	Qual (C)	13th D		nd analysis exercis	e of sensing		device and the data collection can be		
			ata collection arevice 2	nd analysis exercis	e of sensing		ent of element technology concernin ces and data collection can be carried		

	15th	15th Data collection and analysis exercise device 3		se of sensing	The sensing device and the data collection sys can be constructed.		
	16th	Occasional date					
Evaluation M	lethod and V	Veight (%)					
	Examination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total
Subtotal	0	100	0	0	0	0	100
Basic Ability	0	0	0	0	0	0	0
Technical Ability	0	100	0	0	0	0	100
Interdisciplinar y Ability	0	0	0	0	0	0	0

Toyama Co	llege	Year	2021			Advanced Seminars and Exercises
Course Information	on					
Course Code	0023			Course Category	Specialize	ed / Compulsory
Class Format	Seminar			Credits	Academic	Credit: 2
Department	Course	•	ms Engineering	Student Grade	Adv. 1st	
Term	First Seme	ster		Classes per Week	2	
Textbook and/or Teaching Materials						
Instructor	Shina Toru Tsukasa,Yo	,Akiguchi Shun oshii Yotsumi,Fi	suke,Matoba Ryuid uruyama Shoichi	chi,Oguma Hiroshi,1	rsukada Akira	,Ito Nao,Mizumoto Iwao,Aso
Course Objectives	S		•			
can summarize and a	e task, you on the the	can understand e acquired tech	the expertise and nical knowledge.	evaluation method	concerning s	ystem construction. In addition, it
Rubric		Ideal Level of	Achievement	Standard Level of	Achievement	Unacceptable Level of Achievement)
(Research 1) (1) Back (2) Objectives, (3) Me Means, (4) Contents, Obtained Results and • Does the item include prospects?	(5) Discussion	It is an item st not excessive of is extremely early understand.	or insufficient and	It has a reasonable composition.	e item	There is a big deficiency in item composition.
(Research 2) Is sente expression and chart appropriate?	nce display	Is sentence ex diagram displa	pression and y appropriate?	Texts and charts a expressed and disp there are problems them, but sentence are generally expredisplayed in a man appropriate.	played, but s in some of es and charts essed and	Many sentences and charts are inappropriate expressions and displays.
(Research 3) Is the band purpose properly described?	ackground	The backgrour are described i manner withou deficiency.		The background ar are properly descri	nd purpose bed.	The background and purpose are not properly described.
(Research 4) Is the mmeans appropriate?	nethod /	The method / applied is the o		Alternatively, it is a and new.	appropriate	The method / means used / applied is not appropriate.
(Research 5) Is logica development appropr		Very clearly, the developed.	ne logic is	Although there are problems, it is alm developed.	some ost logically	It is not logically deployed.
(Research 6) Are criti rational thinking mad		Discussion that rational though utilized was de	nt was fully	Critical, considerat rational thinking, e described.		There is absolutely no consideration based on critical and rational thinking.
(Study 7) Is the resul consideration on the progress reasonable?	t or the way of	Very clear, rea consideration, drawn and des	results have been	Reasonable consideresults have been described.	eration, drawn and	There is no reasonable consideration, results.
(Research 8) Do you proposed research plature and have concuprocedures reviewed the problems and the planning done organization.	an for the rete ' Also, are like in	The research padequately stuproblems in plate pointed out, arreasons and so clearly stated.	died, and anning are nd reasonable	Research plans are studied, and the paper problems in resear are shown.	aths and their	It is not a valid research plan.
(Presentation 1) (1) Background, (2) Obje Method / Means, (4) (5) Results and Discu Obtained · Items of the Perspective included?	Contents, ssion	There was no deficiency, and structure which easy to unders	l it was an item h was extremely	It was a reasonabl composition.	e item	There was a big deficiency in item composition.
(Presentation 2) Were sentence expression of media and the chart of proper?	of the	Text and chart and displayed	s were expressed very easily.	Texts and charts wexpressed and disp there was a proble them, but sentence were almost prope and displayed.	olayed, but m in some of es and charts	and displays
(Presentation 3) Was development of oral presentation reasonal		Very clearly, the developed.	ne logic had been	It was logically dep	oloyed.	
Assigned Departr	nent Obje	ectives				
ディプロマポリシー C-	2					
JABEE C2 Teaching Method						
Teaching Method Outline	Ability to so	ystematically w ork with teams	ork and systemati With common co	ng various science, cally under the give nstraints, individual	en constraints	nd information, in systematically promote PJs to
Style	Students w	express creativill be given tas	ks related to syste	m construction, thr	ough experim	nents, solving issues and
	 	the results of	their work.			
Notice	Omnibus fo	JIIIdL				

Characteristics of Class / Division in Learning

☐ Active Learning				☐ Aided by ICT	T		o Remote Class	☐ Instructor Pr Experienced	ofessionally	
				·				· ·		
Course	Plan									
			Т	heme			Goals			
		1	lst N	atural Language	Processing		Practice of analys method) By CKY be done if there is standard form.	method, syntacti	c analysis can	
		2	2nd N	atural Language	Processing		By the exercise chart method of grammar analysis (chart method) by the computer, it is possible to parse if there is a dictionary rule.			
		3	Brd N	atural Language	Processing		You can write a procedure to program the CKY method and exercise CY and method of constructing parsing system by CKY method and chart method.			
	1st Quarte	er 4	łth N	latural Language	Processing		Exercise in constr system by CKY m (Summary) The a method, disadvar can be discussed.	ethod and chart advantages of CK ntages, calculatio	method Y method, chart	
5th S				ystem Design			Designed by PSotused.	C PSoC devices a	nd tools can be	
6th				ystem Design			PSoC design Analog block of PSoC device can be used.			
1st Semeste r		7	th S	ystem Design			Designed by PSoC Digital block of PSoC device can be used. Designed by PSoC Microcomputer block of PSoC			
		8	Sth S	ystem Design			Designed by PSoo device can be use	C Microcomputer ed.	block of PSoC	
		9	th L	earning Algorithm	ns		You can explain t			
		1	LOth L	earning Algorithm	าร		Exercise in constr Problem and Kna Algorithm.	ruction of Travelir psack Problem by	ng Salesman / using Genetic	
		1	L1th L	earning Algorithm	าร		You can present t and can discuss t disadvantages.	the result of Gene he advantages ar	etic Algorithm, nd	
	2nd Quarte		L2th N	lumerical Method			OpenCV Foundation (Image Processing) Guidance on Image Processing and Pattern Recognition You can explain the outline of OpenCV.			
		1	13th N	lumerical Method			OpenCV foundation (image processing) OpenCV can be installed and basic image processing can be performed.			
		1	L4th N	lumerical Method			OpenCV application (pattern recognition) It is possible to explain image analysis / pattern recognition by OpenCV.			
		1	L5th							
			L6th							
Evaluati	on Me	etho	d and W	eight (%)			1		1	
Examination		Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total			
Subtotal		0		100	0	0	0	0	100	
Basic Abil	ity	0		20	0	0	0	0	20	
Technical Ability		0		80	0	0	0	0	80	
Interdisciplinar y Ability 0				0	0	0	0	0	0	

To	oyama C	College	Year	2021		Course Title	Advanced Seminars and Exercises	
Course	Informa	tion						
Course Co		0024			Course Categor	<i>'</i>	lized / Compulsory	
Class For	mat	Seminar			Credits	Acadei	nic Credit: 2	
Departme	ent	Control Ir	iformation Syste	ems Engineering	Student Grade	Adv. 1	st	
Term		Second Se	emester		Classes per Week 2			
Textbook Teaching								
Instructor		Tsukada A	Akira,Ito Nao,Mi	zumoto Iwao,Aso	Tsukasa,Yoshii Y	otsumi		
Course	Objectiv	es es						
Through o	challenges	, it is possibl	e to understand Iblish the acquir	e and evaluation	methods for	the development of systems. And, it		
Rubric	e to summ	iarize ariu pu	iblish the acquir	eu technical knowl	euge.			
Rubite			Ideal Level of	Achievement	Standard Level	of Achieveme	ent Unacceptable Level of	
			(Very Good)		(Good)		Achievement (Fail)	
Have a design capability to solve the problem.			and information	wide perspective	Have specialized that can meet to society.	d technologie he demands (Do not have technology that meets the demands of society.	
Have the PJ.	ability to p	perform the	the constraint	he person can advance the PJ in and express the m and express it.	The team or the proceed with Pl within the limits	l systematical	The team or the person cannot proceed systematically with PJ within the limits.	
	y to resolv ne results (ve issues and of the	the problem, i trends in the r	elevant areas, tood and easily	The background the problem are understood, and explained easily	e almost d it can be	background or purpose of the problem, and cannot explain it	
Assigne	d Depar	tment Obj						
ディプロマ JABEE C2	アポリシー(C-2						
	g Metho	od						
Outline		Through t	he experiments	, the expertise of	electronics and ir	formation ted	chnology will be enhanced. We will	
Style				o build systems thed on 5 themes.	rough our tasks.			
Notice		<u> </u>		res more than 60	points.			
Charact	eristics	of Class /	Division in Le	earning				
□ Active	Learning		☐ Aided by I	СТ	☐ Applicable to	Remote Clas	☐ Instructor Professionally Experienced	
Course	Dlan							
Course		Т	heme			Goals		
			Deep learning pr	ogramming 1		To be able to	set up a development environment a sample program for deep learning of handwritten numbers).	
		2nd D	Deep learning pr	ogramming 2		Set up a prob	lem that can be solved by deep team, and create a learning program	
		3rd D	Deep learning pr	ogramming 3			earning program and discuss the ed.	
	3rd Quarter	4th	nalysis of data nethod 1	analysis using stat	istical analysis	The statistica	l analysis method can be explained.	
			nalysis of data nethod 2	analysis using stat	istical analysis	A statistical a perform basio	nalysis method can be used to tata analysis.	
2nd		6th	nalysis of data nethod 3	analysis using stat	istical analysis	The statistica analyze the a	l analysis method can be used to pplication data.	
Semeste		7th F	lands-On Experi	ience with IoT Dev	ices 1	An IoT device	can be explained.	
	8th Hands-On Experience with IoT D					You can expe IoT device.	riment with the basic features of an	
		9th F	lands-On Experi	ience with IoT Dev	ione 3	You can expe	riment with the application of an IoT device.	
		10th P	hase sensitive a	amplifier training			nsitive amplifier can be explained.	
		11th S		e simulation of sign	ale huried in		on in the noise is possible.	
	4th Quarter	h +		signal detection s	ystems	Detection of a	a weak signal is possible.	
	2	13th		nd analysis exercis	e of sensing		device and the data collection can be	
		14th	levice 1 Data collection and analysis exercise of sensing levice 2			The experiment of element technology concernin sensing devices and data collection can be carried out.		

	15th	Data collection and device 3	d analysis exercis	se of sensing	The sensing device and the data collection system can be constructed.						
	16th	Occasional date									
Evaluation M	Evaluation Method and Weight (%)										
Examination Presentation Mutual Evaluations between students Behavior Portfolio Other Total											
Subtotal	0	100	0	0	0	0	100				
Basic Ability	0	0	0	0	0	0	0				
Technical Ability	0	100	0	0	0	0	100				
Interdisciplinar y Ability	0	0	0	0	0	0	0				

			_					
То	oyama C	College	Year	2021			urse tle	Internship B
Course	Informa	tion						
Course Co	ode	0025			Course Category	, S	pecializ	ed / Elective
Class For	mat	Experiment	t / Practical trai	ning	Credits	А	cademi	c Credit: 3
Departme	ent	Control Info Course	ormation Syste	ms Engineering	Student Grade	А	dv. 1st	
Term		First Seme	ster		Classes per Wee	k 3		
Textbook Teaching	and/or Materials							
Instructor	r	Furuyama	Shoichi,Hsegaw	<i>ı</i> a Hiroshi,Kyoden	Tomoaki			
	Objectiv							
engineeri	ng, acquire home coui	e the ability to ntry but from	keep capturing the viewpoint f	g phenomena fror riendly to the earl	n an international	perspe ate the	ective (a	engineering and information a, g), A goal is to judge not only to explain. For that purpose, we
Rubric								
			Ideal Level of A	Achievement	Standard Level of	of Achie	vement	Unacceptable Level of Achievement)
Understanding International Cultures			Enough unders communication countries.		Understandings culture.	to inter	nationa	Not understandings to international culture.
Evaluation	n 2							
Evaluation	n 3							
Assigne	d Depar	tment Obje	ectives					
	フポリシー F							
Teachin	ng Metho	 od						
Outline	<u> </u>	· Explain so (a, g) · Explain sp	·	onal issues includi	_		-	ing and information engineering. mation engineering from an
Style		How to pro	ceed and conte	ents of lessons · M	lethod: n (about 70%) and	d the re	enort (a	hout 30%)
		important i		Title presentation	(about 7070) and	u the re	φοιτ (α	Bout 30 70).
Notice				ns of the institutio	n of training and լ	pay atte	ention t	o incidents and accidents during
Charact	eristics of	of Class / D	ivision in Le	arning				
□ Active	Learning		☐ Aided by IC	т	☐ Applicable to	Remot	e Class	☐ Instructor Professionally Experienced
Course	Plan							
		Th	eme		C	Goals		
		1st Br	iefing session		s ii p	significa nform a	nce of one of the state of the	xplaining the purpose and overseas internships, we will be status of implementation in the year, attention points for tc.
		2nd Pro	eparing session		le	etc acco	rding to	application form, a pledge form o the preparation form two weeks mit it by the deadline.
	1st Quarter	3rd Tr	aveling		t	he proc	edure a	overseas for 3 weeks, experience and connection at the direction of thool teacher in traveling abroad.
1st	Quarter	4th in	ternship		a	affiliated based or	l compa n exper	ternships at universities and their anies. Understand different cultures ience through staying locally and e period.
Semeste		5th Re	porting		A	After the	e report	of 5 weeks, prepare a report and ent at the internship meeting.
r		6th			3	Subitiic i	. 11636	the at the internship meeting.
		7th						
		8th						
		9th						
		10th						
		11th						
	2nd	12th						
	Quarter	13th						
		14th						
		15th						
16th								
Evaluat	ion Meth	nod and We	ight (%)					
			_					

	Examination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total
Subtotal	0	100	0	0	0	0	100
Basic Ability	0	40	0	0	0	0	40
Technical Ability	0	40	0	0	0	0	40
Interdisciplinar y Ability	0	20	0	0	0	0	20

10	Toyama College			Year 2021				ourse Title	Internshi	рΑ	
Course	Informa	tion									
Course Co	ode	0026				Course Categor	γ	Specializ	ed / Elective	9	
Class For	mat	Experim	nent / Practical	train	ning	Credits		Academi	c Credit: 2		
Departme	ent	Control Course	Information Sy	/sten	ns Engineering	Student Grade		Adv. 1st			
Term		First Se	mester			Classes per We	ek	2			
Textbook	and/or					Classes per vve	CIC	_			
Teaching	Materials	internsr	nip implementa	ition	requirements						
Instructo		_	otsumi,Hsegav	va Hi	roshi						
	Objectiv										
ability to	judge and	explain no	quire the ability ot only from ho r more than tw	me c	ountry but also	ture events from from earthly frien	an intending	ernational erspective	perspective For that pu	e, to cult irpose, v	tivate the we conduct
Rubric											
			理想的な到過	主レベ	いの目安	標準的な到達レイ	ベルの目	ョ安	未到達レハ	ジレの目	安
Through participation in practical training at the train company, it was enough to grasp, judge and explain the events from an international perspective.					g at the training s enough to d explain the	Through partici practical trainin company to be were able to grexplain the even international personal particular particu	ig at the traine asp, junts nts fro	ne d, we udge and m an		ne event	, judge and s from an spective.
Assigne	d Depar	tment O	bjectives			•			•		
ディプロマ	 7ポリシー I										
JABEE B5											
Teachin	ig Metho										
Outline		relation • Explai	s (a, g)_x000D)_ natio		al issues including ing control engine	_	_	_		-
Style		Evaluat	e by presentati	ion a	nd report.						
Notice											
Charact	eristics	of Class	/ Division in	Lea	rnina						
Characteristics of Class / Division in Learning □ Active Learning □ Aided by ICT											
☐ Active	Learning		☐ Aided b			☐ Applicable to	o Rem	ote Class	☐ Instru Experience	ctor Pro	ofessionally
			□ Aided b			☐ Applicable to	o Rem	ote Class	☐ Instru Experience	ctor Pro	ofessionally
□ Active		T	1					ote Class	☐ Instru Experienc	ctor Pro	ofessionally
			☐ Aided b				Goals		Experienc	ced	,
		1st	Theme	у ІСТ		ation	Goals Stude with t	nts who w neir host i	Experience vish to take nstitution, a	a class a	are consulted
		1st 2nd	Theme	у ІСТ		ation	Goals Stude with t home form, Be sui	nts who w neir host i room teac and obtai	Experience vish to take anstitution, a her, applied	a class a approved for in tion.	are consulted d by the he application
	Plan		Theme Determining t	у ІСТ		ation	Goals Stude with t home form, Be sui disast Subm desigr	nts who wheir host in the community of t	vish to take nstitution, a her, applied ned permiss student educe (internshnship applic ge to the ho	a class approved for in tion. cational approved ation for the course ation for the course at the cou	are consulted d by the he application research se).
		2nd	Theme Determining t Preparation	y ICT	nternship Destina	ation	Goals Stude with t home form, Be sui disast Subm desigr Stude daily t	nts who wheir host is com tead and obtainer in suranit an internated pled pusiness robtain find	/ish to take nstitution, a her, applies student educe (internshors) applic ge to the he e in internshecords in a lecords in a lecords in a lecords.	a class approved for in tigion. cational ip cours for meroor for the course of the cou	are consulted d by the he application research se).
Course	Plan	2nd 3rd	Theme Determining t Preparation Preparation	y ICT	nternship Destina	ation	Goals Stude with t home form, Be sui disast Subm desigr Stude daily t Also, o super	nts who wheir host is community to join set insurar it an internated pled pusiness robtain find visor.	/ish to take nstitution, a her, applied ned permiss student educe (internship applied ge to the he e in internship dings from the internship e internship e internship	a class approved for in tision. cational approved action for the commercor mip work or work, powers, p	are consulted d by the he application research se). rm and m teacher. c and prepare rmined format. instruction
Course 1st	Plan	2nd 3rd 4th 5th	Theme Determining t Preparation Preparation During the int	y ICT	nternship Destina	ation	Goals Stude with t home form, Be sui disast Subm desigr Stude daily t Also, o super	nts who wheir host is community to join set insurar it an internated pled pusiness robtain find visor.	/ish to take nstitution, a her, applied need permise student eduice (internstructure of the her ein internstructure) ein internstructure in intern	a class approved for in tision. cational approved action for the commercor mip work or work, powers, p	are consulted d by the he application research se). rm and m teacher. c and prepare rmined format. instruction
Course 1st	Plan	2nd 3rd 4th 5th 6th	Theme Determining t Preparation Preparation During the int	y ICT	nternship Destina	ation	Goals Stude with t home form, Be sui disast Subm desigr Stude daily t Also, o super	nts who wheir host is community to join set insurar it an internated pled pusiness robtain find visor.	/ish to take nstitution, a her, applied ned permiss student educe (internship applied ge to the he e in internship dings from the internship e internship e internship	a class approved for in tision. cational approved action for the commercor mip work or work, powers, p	are consulted d by the he application research se). rm and m teacher. c and prepare rmined format. instruction
Course 1st	Plan	2nd 3rd 4th 5th 6th 7th	Theme Determining t Preparation Preparation During the int	y ICT	nternship Destina	ation	Goals Stude with t home form, Be sui disast Subm desigr Stude daily t Also, o super	nts who wheir host is community to join set insurar it an internated pled pusiness robtain find visor.	/ish to take nstitution, a her, applied ned permiss student educe (internship applied ge to the he e in internship dings from the internship e internship e internship	a class approved for in tision. cational approved action for the commercor mip work or work, powers, p	are consulted d by the he application research se). rm and m teacher. c and prepare rmined format instruction prepare a
Course 1st	Plan	2nd 3rd 4th 5th 6th 7th 8th	Theme Determining t Preparation Preparation During the int	y ICT	nternship Destina	ation	Goals Stude with t home form, Be sui disast Subm desigr Stude daily t Also, o super	nts who wheir host is community to join set insurar it an internated pled pusiness robtain find visor.	/ish to take nstitution, a her, applied ned permiss student educe (internship applied ge to the he e in internship dings from the internship e internship e internship	a class approved for in tision. cational approved action for the commercor mip work or work, powers, p	are consulted d by the he application research se). rm and m teacher. c and prepare rmined format instruction prepare a
Course 1st	Plan	2nd 3rd 4th 5th 6th 7th	Theme Determining t Preparation Preparation During the int	y ICT	nternship Destina	ation	Goals Stude with t home form, Be sui disast Subm desigr Stude daily t Also, o super	nts who wheir host is community to join set insurar it an internated pled pusiness robtain find visor.	/ish to take nstitution, a her, applied ned permiss student educe (internship applied ge to the he e in internship dings from the internship e internship e internship	a class approved for in tision. cational approved action for the commercor mip work or work, powers, p	are consulted d by the he application research se). rm and m teacher. c and prepare rmined format instruction prepare a
Course 1st	Plan	2nd 3rd 4th 5th 6th 7th 8th 9th	Theme Determining t Preparation Preparation During the int	y ICT	nternship Destina	ation	Goals Stude with t home form, Be sui disast Subm desigr Stude daily t Also, o super	nts who wheir host is community to join set insurar it an internated pled pusiness robtain find visor.	/ish to take nstitution, a her, applied ned permiss student educe (internship applied ge to the he e in internship dings from the internship e internship e internship	a class approved for in tision. cational approved action for the commercor mip work or work, powers, p	are consulted d by the he application research se). rm and m teacher. c and prepare rmined format. instruction
Course 1st	Plan 1st Quarter	2nd 3rd 4th 5th 6th 7th 8th 9th 10th	Theme Determining t Preparation Preparation During the int	y ICT	nternship Destina	ation	Goals Stude with t home form, Be sui disast Subm desigr Stude daily t Also, o super	nts who wheir host is community to join set insurar it an internated pled pusiness robtain find visor.	/ish to take nstitution, a her, applied ned permiss student educe (internship applied ge to the he e in internship dings from the internship e internship e internship	a class approved for in tision. cational approved action for the commercor mip work or work, powers, p	are consulted d by the he application research se). rm and m teacher. c and prepare rmined format. instruction
Course 1st	Plan	2nd 3rd 4th 5th 6th 7th 8th 9th 10th 11th	Theme Determining t Preparation Preparation During the int	y ICT	nternship Destina	ation	Goals Stude with t home form, Be sui disast Subm desigr Stude daily t Also, o super	nts who wheir host is community to join set insurar it an internated pled pusiness robtain find visor.	/ish to take nstitution, a her, applied ned permiss student educe (internship applied ge to the he e in internship dings from the internship e internship e internship	a class approved for in tision. cational approved action for the commercor mip work or work, powers, p	are consulted d by the he application research se). rm and m teacher. c and prepare rmined format. instruction
Course 1st	Plan 1st Quarter	2nd 3rd 4th 5th 6th 7th 8th 9th 10th 11th 12th	Theme Determining t Preparation Preparation During the int	y ICT	nternship Destina	ation	Goals Stude with t home form, Be sui disast Subm desigr Stude daily t Also, o super	nts who wheir host is communities to join ser insurar it an internated pled pusiness robtain find visor.	/ish to take nstitution, a her, applied ned permiss student educe (internship applied ge to the he e in internship dings from the internship e internship e internship	a class approved for in tision. cational approved action for the commercor mip work or work, powers, p	are consulted d by the he application research se). rm and m teacher. c and prepare rmined format. instruction
Course 1st	Plan 1st Quarter	2nd 3rd 4th 5th 6th 7th 8th 9th 10th 11th 12th 13th	Theme Determining t Preparation Preparation During the int	y ICT	nternship Destina	ation	Goals Stude with t home form, Be sui disast Subm desigr Stude daily t Also, o super	nts who wheir host is communities to join ser insurar it an internated pled pusiness robtain find visor.	/ish to take nstitution, a her, applied ned permiss student educe (internship applied ge to the he e in internship dings from the internship e internship e internship	a class approved for in tision. cational approved action for the commercor mip work or work, powers, p	are consulted d by the he application research se). rm and m teacher. c and prepare rmined format. instruction
Course 1st	Plan 1st Quarter	2nd 3rd 4th 5th 6th 7th 8th 9th 10th 11th 12th 13th 14th	Theme Determining t Preparation Preparation During the int	y ICT	nternship Destina	ation	Goals Stude with t home form, Be sui disast Subm desigr Stude daily t Also, o super	nts who wheir host is communities to join ser insurar it an internated pled pusiness robtain find visor.	/ish to take nstitution, a her, applied ned permiss student educe (internship applied ge to the he e in internship dings from the internship e internship e internship	a class approved for in tision. cational approved action for the commercor mip work or work, powers, p	are consulted d by the he application research se). rm and m teacher. c and prepare rmined format. instruction
1st Semeste r	Plan 1st Quarter 2nd Quarter	2nd 3rd 4th 5th 6th 7th 8th 9th 10th 11th 12th 13th 14th 15th 16th	Theme Determining t Preparation Preparation During the int	y ICT	nternship Destina	ation	Goals Stude with t home form, Be sui disast Subm desigr Stude daily t Also, o super	nts who wheir host is communities to join ser insurar it an internated pled pusiness robtain find visor.	/ish to take nstitution, a her, applied ned permiss student educe (internship applied ge to the he e in internship dings from the internship e internship e internship	a class approved for in tision. cational approved action for the commercor mip work or work, powers, p	are consulted d by the he application research se). rm and m teacher. c and prepare rmined format. instruction
1st Semeste r	Plan 1st Quarter 2nd Quarter	2nd 3rd 4th 5th 6th 7th 8th 9th 10th 11th 12th 13th 14th 15th 16th od and	Theme Determining t Preparation Preparation During the int After the inter	y ICT	nternship Destina	ation	Goals Stude with t home form, Be sui disast Subm desigr Stude daily t Also, supen	nts who wheir host is communities to join ser insurar it an internated pled pusiness robtain find visor.	/ish to take nstitution, a her, applied ned permiss student educe (internshnship applic ge to the hoe in internshecords in a lings from the internship mit it to you	a class approved for in tion. cational ip coursation for meroor in p work predete work work, jur teach	are consulted d by the he application research se). rm and m teacher. c and prepare rmined format. instruction
1st Semeste r	Plan 1st Quarter 2nd Quarter ion Meth	2nd 3rd 4th 5th 6th 7th 8th 9th 10th 11th 12th 13th 14th 15th 16th od and	Theme Determining t Preparation Preparation During the int After the inter	y ICT	hip period p is over	ation	Goals Stude with t home form, Be sui disast Subm desigr Stude daily t Also, supen	nts who wheir host is common tead and obtainer insurarit an internated pled pled in the common teated pled pusiness robtain find visor. end of the common teated and subsidering the common teated of the common teated of the common teated and subsidering the common teated and subsidering the common teated and the common teated an	/ish to take nstitution, a her, applied ned permiss student educe (internshnship applic ge to the hoe in internshecords in a lings from the internship mit it to you	a class a pproved for in tion. cational ip cours ation for meroor hip work owork, fur teach	are consulted d by the he application research se). rm and m teacher. c and prepare rmined format. instruction prepare a er.
1st Semeste r	Plan 1st Quarter 2nd Quarter ion Meth 試現 0	2nd 3rd 4th 5th 6th 7th 8th 9th 10th 11th 12th 13th 14th 15th 16th od and	Theme Determining t Preparation During the int After the intel Weight (%)	y ICT	hip period p is over	ation	Goals Stude with t home form, Be sui disast Subm desigr Stude daily t Also, t super	nts who wheir host is common tead and obtainer insurarit an internated pled pled in the common teated pled pusiness robtain find visor. end of the common teated and subsidering the common teated of the common teated of the common teated and subsidering the common teated and subsidering the common teated and the common teated an	rish to take nstitution, a her, applied ned permiss student educe (internshnship applic ge to the hoe in internshecords in a lings from the internship mit it to you	a class a proved for in taken a class approved for in taken a class and taken a class are a class and taken a class are a class a clas	are consulted d by the he application research se). rm and m teacher. c and prepare rmined format. instruction prepare a er.
1st Semeste r	Plan 1st Quarter 2nd Quarter ion Meth	2nd 3rd 4th 5th 6th 7th 8th 9th 10th 11th 12th 13th 14th 15th 16th od and	Theme Determining the preparation During the intel After the intel Weight (%) 発表 50	y ICT	hip period p is over 相互評価 0	態度 0	Goals Stude with t home form, Be sui disast Subm desigr Stude daily t Also, c super At the report	nts who wheir host is common tead and obtainer insurarit an internated pled pled in the common teated pled pusiness robtain find visor. end of the common teated and subsidering the common teated of the common teated of the common teated and subsidering the common teated and subsidering the common teated and the common teated an	rish to take nstitution, a her, applied ned permiss student educe (internsh nship applic ge to the hoe in internshecords in a lings from the internship mit it to you	a class a a pproved for in tision. cational aip cours ation for predete work a work, fur teach	are consulted d by the he application research se). rm and m teacher. c and prepare rmined format. instruction prepare a er.

To	oyama C	College	Year	2021				Japanese Language and Literature	
Course	Informa	tion		•		•	- 1		
Course Co		0035			Course Category	/	General /	Elective	
Class For	mat	Lecture			Credits		Academic	: Credit: 2	
Departme	ent	Control I Course	Information Syste	ems Engineering	Student Grade		Adv. 2nd		
Term			Semester		Classes per Wee	Classes per Week 2			
Textbook		プリント	 を配布する		•				
Teaching Instructor		_	hugo,Kubo Yoko						
	Objectiv	•	riugo, Rubo Toko						
			準1(1)d,eg 解の基礎を構築する 術や情報を再編した を習得する。平時の	, f 独創とは何か る。自国の文化を深 ながら独創的な成果 のミニ・レポートや	? 模倣との違いは く理解すると同時に を産み出すためのノ 最終時のレポートに	ま? こ こ、異な /ウハワ こより、	この講義で 文化理解の ウ・ドゥハ 論理的な	は、主として日本近代文学を題材と 助けとする。(d)最先端の文化理 ウを学ぶ。(e)口頭発表の機会を 記述力も身につける。(f)	
Rubric									
評価項目1			理想的な到達レ 先行技術・情報 深く理解でき、	を再編する原理を	標準的な到達レベ 先行技術・情報を 理解できる。			未到達レベルの目安 先行技術・情報を再編する原理が 理解できない	
評価項目2			_	果を効果的な方法	自ら調査した結果	を発表	₹できる。	理解できない。自ら調査した結果を発表できない。	
評価項目3			日本の文学や文	化について深く理意見交換できるレ	日本の文学や文化 、外国人と意見交 ある。	につい 換でき	て理解しる素地が	日本の文学や文化について理解で きず、外国人と意見交換できるレ ベルにない。	
	アポリシー /	tment Ob A-1		•	100 000			VVIC-GV-10	
	g Metho								
Outline		異文化理	解の助けとする。	(d)最先端の文化	理論を参昭すること	ケー・デ・データ	5行する技術	の違いは? この講義では、主とし 国の文化を深く理解すると同時に、 析や情報を再編しながら独創的な成 レゼンテーションの技能を習得する 、(f)	
Style				受講者によるミニ発					
Notice		「読む・ of credit 単位認定	書く・話す・聞く」 requires 60 poin には、 6 0 点以上の	のいわゆる4技能 ts or more rating. D評定が必要です。	を重視するので、積	極的な	は授業参加を	を心がけてほしい。The recognition	
Charact	eristics		Division in Le						
□ Active	Learning		☐ Aided by I	☐ Aided by ICT ☐ Applicable to			ote Class	☐ Instructor Professionally Experienced	
Cauras	Dlan								
Course	Pian		Theme		10	Goals			
		1st	オリエンテーショ:	ンOrientation			 容の概要を		
		2nd	文化理論概説 1						
			Curutural Theory 文化理論概説 2	<u> </u>		間テクスト性Intertextuality理論の概略を理解する。			
		3rd	文化理論做說 2 Curutural Theory	1	The state of the s	間テクスト性Intertextuality理論の概略を理解する			
			文化理論概説 3 Curutural Theory	,		間テクジ	スト性Inte	rtextuality理論の概略を理解する。	
	3rd		近代文学研究 1 Modern Japanese	 e Literature Studie 絵と旅する男」論 1	> F	エ戸川記 目し、7	乱歩「押絵 小説の基本	と旅する男」の冒頭、風景描写に着 的知識を身に付ける。	
	Quarter	l6th	近代文学研究 2 Modern Japanese	と Literature Studie 絵と旅する男」論 2	s ž	江戸川乱歩「押絵と旅する男」の色彩、天気、着目し、小説の基本的知識を身に付ける。		と旅する男」の色彩、天気、汽車に 本的知識を身に付ける。	
2nd Semeste		7th	近代文学研究 3 Modern Japanese	e Literature Studie	s \tilde{i}	エ戸川i I の引i	 乱歩「押絵 用について	と旅する男」における「八百屋お七 、間テクスト性の効果を考察する。	
r			近代文学研究 4 Contemporary Ja	絵と旅する男」論 3	Studies 4	 山内マ ダプテ・	リコ「あの ーションに		
		9th	近代文学研究 5 Contemporary Ja	のこは貴族」論1~	لا Studies	山内マ ダプテ・	リコ「あの ーションに	身に付ける。 こは貴族」における小説と映画のア ついて考察するとともに、映画表現	
		10th	近代文学研究 6 Contemporary Ja	<u>めこは貴族」論2〜</u> npanese literature	Studies 4	山内マ ダプテ・	リコ「あの ーションに	身に付ける。 には貴族」における小説と映画のア ついて考察するとともに、映画表現	
	4th Quarter		〜山内マリコーあり 近代文学研究 7 Contemporary Ja	のこは貴族」論3〜 apanese literature	Studies 0	<u>の基本に</u> 宝塚 「A のアダニ	的な知識を ベルサイユ プテーショ	身に付ける。 のばら」におけるまんがから演劇へ ンについて考察するとともに、演劇	
			<u>〜宝塚「ベルサイ)</u> 近代文学研究 8	<u> ユのばら」論 1 〜</u>	<u> </u>	表現の 宝塚「/	基本的な知 ベルサイユ	識を身に付ける。 のばら におけるまんがから演劇へ	
		12th	Contemporary Ja 〜宝塚「ベルサイ」	ipanese literature ユのばら」論 2 ~	Studies 0	玉球 ヘルサイエのはら」におけるまんかから演のアダプテーションについて考察するとともに、 表現の基本的な知識を身に付ける。			

	1		近代文学研究 9 Contemporary Japa 〜宝塚「ベルサイユ	anese literature S のばら」論 3 ~		のアダプテーション	宝塚「ベルサイユのばら」におけるまんがから演劇へのアダプテーションについて考察するとともに、演劇表現の基本的な知識を身に付ける。			
	1	L4th	間テクスト性につい	て、受講者が発表	する。	小説、まんが、アニメ、CM、ポスター、音楽といった様々なジャンルにおける間テクスト性もしくはアダプテーションについて、受講者が例示し、それぞれの作品の考察を発表する。				
	1		ンポート作成 Report Writing			論理的なレポートを	を作成する。			
	1	L6th 名	复習			これまでの学習の気	定着度を確認する。			
Evaluation	Metho	d and W	eight (%)							
	試験		発表	相互評価	態度	ポートフォリオ	その他	Total		
Subtotal	0		25	0	0	0	75	100		
基礎的能力	D 25			0	0	0	25	50		
専門的能力	1 的能力 0 0 0 0				0	0	25	25		
分野横断的能力						0 25 25				

To	oyama C	College	Year	2021		Course Title	Regional Studies		
Course	Informa	tion	·	•					
Course Co	ode	0037			Course Category	General	/ Elective		
Class For	mat	Lecture			Credits	Academi	c Credit: 2		
Departme	ent	Control Ir Course	formation Syste	ems Engineering	Student Grade	Adv. 2nd	i		
Term		First Sem	ester		Classes per Wee	ses per Week 2			
Textbook	and/or Materials	使用しない	١						
Instructo		Yokota Ka	nzuhiro						
	Objectiv	_							
産業論の基	基礎を学ぶる	とともに, 北陸	を地域の実状を把抗しています。 たればではないである。 たればないでは、これでは、これでは、これでは、これでは、これでは、これでは、これでは、これ	握することに努める とをめざしていく。	。特産物や地場産業	美や特色ある観光	治資源など,地域的特性を事実として		
Rubric									
			理想的な到達レ	ベルの目安	標準的な到達レベ	ルの目安	未到達レベルの目安		
評価項目1	Ĺ		現代の産業に関係した上で、今望を自分なりに。	する基礎知識を習 後の日本経済の展 描くことができる	現代の産業に関す得している。	る基礎知識を習	現代の産業に関する基礎知識を習 得することができない。		
評価項目2	2		富山県や北陸地 握した上で、今 りに描くことが	域の地域事情を把 後の展望を自分な できる。	富山県や北陸地域 握している。	の地域事情を把	富山県や北陸地域の地域事情を把握することができない。		
平価項目3									
		tment Obj	ectives						
ディプロマ JABEE A1	マポリシー <i>i</i> L	A-1							
Teachir	ng Metho	od							
Outline Style		産業論の 経済活動し , 今後どの 教員単独て についてに (北陸経済	t,まさにグロー)ように変化して(『実施による講義 は、授業時間外に原研究・北國TOD	ことと,近現代以降 バル化してきている いくのかを理論的・ 形式を中心とするが 別途実施する予定で AY)、全国週刊経済	る。その大きな動きの 歴史的に検討してみ 、演習や地域巡検も ある(半日) また	Dなかで, 地域ネ ∗たい。 (a) ラ実施する。授業 こ、地元紙 (北日 旦してレビュー!	ことをねらいとした科目である。 社会は如何に変化してきたのか, また 時間中に学生発表も行う。地域巡検 本・富山・北陸中日)、地元経済誌 してもらう。授業の詳細(内容・計画		
Notice Charact	teristics (査(巡検) ②「近未来 元企業や特を同時に動)講義を中心とするを授業時及び授業の職業選択」に行っている。	業外(休日に設定す 役立つよう、授業時 するフィールドワー して,地域社会の姿	る)に行い、座学で	『得た知識を「応 『ある。近在の大 『施するのはその	はう、授業時に配慮したい。実地調用」したいと考えている。 学などでの文献調査だけでなく,地ためである。こういった「頭と身体		
□ Active	e Learning		☐ Aided by I	СТ	☐ Applicable to	Remote Class	☐ Instructor Professionally Experienced		
Course	Plan								
	1	Т	heme		C	Goals			
		1st (a	はじめに			ガイダンス地域を産業のを地域を変観的	見点で学んでいく意義 ・相対的に把握することの意味		
		2nd					区・堀岡地区・下村地区の巡検		
		3rd 產	産業論の基礎(1))	Ş	①産業構造・産業 ②第1次産業(県			
			産業論の基礎(2)	-	C	2第1次産業(周 3第2次産業(加 3第2次産業(加	□工業)		
	1st Quarter		実地調査(2)	,		④第3次産業(<u>†</u> 対水市新湊中心市			
	- Qualita		と陸の地域特性(1)	j	・北陸地域を地球 人文的特徴)	里的歴史的に概観(自然地理的特性・		
1st Semeste		7th 1	 ヒ陸の地域特性(2)		・視点としての5 ・地域間交流と4 ・能登地域とのb	L前船		
I		8th	●実地調査(3)		Ī	有砺地域市街地	(福光・城端・福野・井波など) の巡		
			也域産業論(1)		= = -	売薬と産業の乳	ける産業の特色(歴史的把握) 系譜 流(日本資本主義の発展に寄与した富		
	2nd	10th				山県人) 特産物			
	Quarter	H + + + + + + + + + + + + + + + + + + +	実地調査(4)			特産物 港湾地区(伏木富山港岩瀬地区など)の巡検			
			地域産業論(3)			地場産業			
			也域産業論(4)			観光資源			
		14th	美地調査(5)	実地調査(5)			新川地域の巡検(新幹線建設・観光地など)		

		15th	期末試験			実施しない			
		16th	おわりに			・受講生による発表(地元地域の企業研究など) ・成績評価・確認			
Evaluation	luation Method and Weight (%)								
	試馬	験	発表	相互評価	態度	ポートフォリオ	その他	Total	
Subtotal	0		30	0	30	40	0	100	
基礎的能力	0		10	0	10	20	0	40	
専門的能力	専門的能力 0 10		10	0	10	10	0	30	
分野横断的能	横断的能力 0 10 0 10			10	10	0	30		

Toyama College			Year		2021			ourse Title	Health Science		
Course	Informat	tion					•				
Course Co		0038				Course Catego	γ	General /	/ Elective		
Class For	mat	Lecture				Credits	,	Academi	c Credit: 2		
Departme	ent	Control I Course	nformation Sys	ster	ms Engineering	Student Grade		Adv. 2nd			
Term		Second S	emester			Classes per We	ek	2			
Textbook Teaching											
Instructor	<u> </u>	Ohashi C	hisato								
Course	Objectiv	es									
(1)Deepen understanding of exercise phisiology (2)Subjective recognition of health promotion utilizing own deta, amount of daily physical activity (3)Bring up qualification for creation and action a scientific exercise program fitting own lifestyles											
Rubric											
			理想的な到達	レ/	ベルの目安(優)	標準的な到達レ	ベルの目	1安(良)	未到達レベルの目安(不可)		
評価項目1			が抱える健康	問題であ	景から、日本国民 質について深く理 き、その解決策を ごきる。	現代の社会的背景が抱える健康問題 ることができる。	复につい	日本国民いて理解す	現代の社会的背景から、日本国民が抱える健康問題についての理解が十分ではない。		
評価項目2			タから、生涯	にオ	身体活動量のデー つたる健康づくり こ捉えることがで	自らの健康度と! タから、生涯にの必要性を理解	つたる例	建康づくり	自らの健康度と身体活動量のデータから、生涯にわたる健康づくりの必要性を十分に理解していない。		
評価項目3		グラムを身体	活動	こ合った運動プロ 動ガイドラインに 実践するための態 いる。	ライフスタイル! グラムを身体活動 沿って作成する。	こ合った 助ガイト ことがて	に運動プロ ドラインに ごきる。	ライフスタイルに合った運動プロ グラムを身体活動ガイドラインに 沿って作成することができない。			
Assigne	d Denari	tment Ob	1								
	スポリシー E		jectives								
JABEE B1											
Teachin	g Metho	d									
Outline		Furtherm Through (2)Summ	understand phore Students at the actions, stary 気の主役となっる よ、体力を向上し	acq :ude	uire the ability to ents are expected	make exercise p to be engineers	rograr who l	n fitting o ead a hea	alth promotion and fitness levels. wn lifestyle and act the program. lthy life in the future. 常生活の送り方が大きく影響してい を教養として学習する。		
Style			_								
Notice		実験や測定	と実施する場合	合は	、運動ができる服装	表で授業に参加す	ること。	•			
Charact	eristics o		Division in I								
☑ Active		<u> </u>	☐ Aided by			☐ Applicable t	o Rem	ote Class	☐ Instructor Professionally Experienced		
									Experienced		
Course	Dlan										
Course	lian	-	Гһете				Goals				
			Orientation					ke an evn	lanation of the syllabuse.		
				Est	imation of Simple	Fitness Test	We ta		le stamina test and estimate own		
		3rd	Concept about	He	alth(1)				ic health concept.		
		4th	Concept about	He	alth(2)				ctical health concept.		
	3rd Ouarter		Exercise and Fi				We st	udv exerc	ise effects which influence fitness practical training.		
	Quarter	6th	Exercise and Li	ifes	tyle Disease		We ur exerci	nderstand se and life	the relevance between lack of estyle desease.		
		7th	Exercise Thera	ру	Effect		We sti	udy exerc vement lif	ise therapy methods for estyle desease and these effects.		
2nd Semeste		8th	Daily Amount o	of F	hysical Activity.		We m	easure the	e amount of physical activity using 2 weeks.		
r 9th			Healthy Exercis	se I	Practice(1)		We se time t lifesty	o make ex	event, the target of intensity and kercise programs fitting our		
10th			Estimation of Daily Amount of Phys			ical Activity	We estimate our physical activity on o		amount of physical activity		
4th Quarter 11th Physical Activity				у а	and Health		We understand the guileline "Physical activity reference for health promotion 2013", and restart to measure the amount of physical activity.				
		12th	Healthy Exercis	se I	Practice(2)		We reset the exercise event, the target of intensity and time, and practice exercise plans which we set ourselves.				

		13th	R	e-stimation of Da	aily Amount of Ph	ysical Activity	We make a comparision between the first physical activity data and the second.			
	Preparation for Presentation about Exercise Program						We make our exercise programs fitting own lifestyles and prepara presentations about these.			
		15th	Pi	resentation			We have present minutes a parson		ion is for 10	
		16th		resentation lass Evaluation Q	uastionnaire		We have presentations. Finally we answer class eveluation quastionnaires.			
Evaluati	on M	ethod an	d We	eight (%)						
		試験		発表	相互評価	態度	ポートフォリオ	その他	Total	
Subtotal		0		75	0	0	0	25	100	
基礎的能力	能力 0 0 0				0	0	0	0		
専門的能力	的能力 0 75 0 0				0	0	25	100		
分野横断的	能力	0		0	0	0	0 0 0			

Тс	oyama	Со	llege	Year	•	2021			ourse Title	Industrial Soc	iety
Course	Inform	natio	on	1				•			
			0039				Course Categor	ry	General /	/ Elective	
			Lecture				Credits	,	1	c Credit: 2	
Departme	ent		Control I Course	nformation Sy	yster	ns Engineering	Student Grade		Adv. 2nd		
Term			First Sen	mester			Classes per We	ek	2		
Textbook Teaching	and/or Material	ls									
Instructor	-		Hsegawa	Hiroshi							
Course	Object	ive	S								
Class Format Lecture							anese industry. ing themselves t	for the	ir own bus	siness.	
rabile						1: .	G. 1 11 1	C A 1		Unacceptable L	evel of
				Ideal Level	ог А	cnievement	Standard Level	of Acr	nevement	Achievement)	
Evaluation	Course Information Course Code 0039 Class Format Lecture Department Course Term First Semester Textbook and/or Teaching Materials Instructor Hsegawa Hiroshi Course Objectives "1.Students can understand the background of conte 2.Students can understand the society and environm 3.Students can understand the innovation and proble Background of conte Japanese industry. Evaluation 1 Students can understand the innovation and proble Background of conte Japanese industry. Students can understand the innovation and proble Background of conte Japanese industry. Students can understand And students can understand Style Lecture and presentation Notice More than 60 points are neces Characteristics of Class / Division in Learn Active Learning Aided by ICT Course Plan Theme 1st Course Orientation College Liberal Arts 2nd Approach to social sci 3rd Background of moder 4th Background of moder 5th Background of moder 5th Background of moder 5th Background of moder 6th Background of moder 5th Background of moder						Students can a the background contemporary industry.	d of		Students canno background of Japanese indus	
Evaluation	n 2			society and surrounding	denv	vironment emselves for	Students can a the society and surrounding the their own busin	l enviro emselv	nment	Students cannot society and environments the surrounding the their own busin	emselves for
Evaluation	า 3			Students can understand the society and environment surrounding themselves for			Students can a the society and surrounding the their own busin	Imost i l enviro emselv	nment		t understand the rironment emselves for
Assigne	d Dena	artr	nent Oh								
	ディプロマポリシー A-2										
JABEE A2											
Outline			"The pur Students And stud	pose of this c also can und ents can und	lass ersta ersta	is to understand t and the society ar and the innovatior	the background nd environment n and problem s	of cont surrou olving.	temporary nding the	/ Japanese industr mselves for their (y. own business.
Style			1				•				
Notice			More tha	n 60 points a	re ne	ecessary to satisfy	the evaluation	criteria	a of JABEE	Ξ.	
Charact	eristics	s of	Class /	Division in	Lea	arning					
□ Active	Learnin	g		□ Aided b	y IC	Т	☐ Applicable t	o Rem	ote Class	☐ Instructor P Experienced	rofessionally
Course	Plan										
			-	Theme				Goals			
		1									
		-									
				• •			dustry (1)				
		4	1			<u> </u>					
	Quarte	r ⊢					, , ,				
		ϵ				•					
		7	7th I	Background o	of mo	odern Japanese in	dustry (5)				
1st		8	3th I	Background o	of mo	odern Japanese in	dustry (6)				
Semeste					odern Japanese in	dustry (7)					
10th Understanding the environment industry (1)											
2nd Understanding the environment industry (2)				e environment sui	rrounding the						
	Quarte	r <u> 1</u>	L2th	Viewpoint inv	olve	d in industry (1)					
		1	1	•		d in industry (2)					
		-				d in industry (3)					
				-ınal presenta	ation	of final paper					
	<u> </u>		L6th								
∟valuati	ion Me	tno	a and W	<u>/eight (%)</u>		Market 1	I	1			1
	E	Exan	nination	Presentatio	n	Mutual Evaluations between students	Behavior	Portf	olio	Other	Total
Subtotal		<u> </u>		50		n	0	0		50	100

Basic Ability	0	20	0	0	0	20	40
Technical Ability	0	10	0	0	0	10	20
Interdisciplinar v Ability	0	20	0	0	0	20	40

To	oyama (College	Year	2021		Course Title	Culture Studie Sea Rim Coun	s of Japan tries	
Course	Informa	ation							
Course Co	ode	0040			Course Category	General /	Elective		
Class For	mat	Lecture			Credits	Academi	Credit: 2		
Departme	ent	Control Ir Course	formation Syster	ms Engineering	Student Grade	Adv. 2nd			
Term		Second Se	emester		Classes per Wee	k 2			
Textbook Teaching		高階秀爾[『西洋美術史』、中	澤敦夫・宮崎衣澄	『暮らしの中のロシ	·ア・イコン』			
Instructo	r	Miyazaki 1	zumi						
Course	Objecti	ves							
 Studer Studer 	nts can ur nts can ur	derstand the derstand the	culture and the in history of relation	religion in Russia ns between Japai	by the analysis of n and Russia on th	Icon paintings ne basis of the	Japan Orthdox ch	urch.	
Rubric									
			Ideal Level of A (Very Good)	Achievement	Standard Level (Good)	of Achievement	Unacceptable Le Achievement (F	evel of ail)	
Evaluatio	n 1		Students can u history of art ar paintings.		Students can alr the history of ar- icon paintings.		Students cannot understand the and russian icor	history of art	
Evaluatio	n 2		Students can u russian icon pa base of the rus	intings on the	Students can alr the russian icon the base of the r	paintings on		t understand the ntings on the	
Evaluatio	n 3		Students can u history of relati Japan and Russ	t understand the ons between ia.					
Assiane	d Dena	rtment Obj			the history of re Japan and Russi				
ディプロマ									
JABEE A1									
Teachin	ig Meth	od							
Outline		paintings.	also understand			•	on the basis of th		
Style			nd presentation						
Notice			•	ecessary to satisf	y the evaluation c	riteria of JABEE			
Charact	eristics	-	Division in Lea	•	,				
□ Active		•	☐ Aided by IC		☐ Applicable to	Remote Class	☐ Instructor Pr Experienced	ofessionally	
Course	Plan								
Course		Т	heme			Goals			
			ntroduction		9	Students can ur	derstand the cour	se contents and	
			rt history1			joal. Studente san un	dorstand gonoral	art history	
			art history2				derstand general		
			art history3				derstand general		
	3rd Ouarter		rt history4				derstand general		
	Quarter		rt history5						
			•	search at Museur	n S	Students can understand general art history Students can understand the collection of Toyan museum			
		8th R	esearch at Toya	ma Museum	S		derstand the histo	ory and the	
2nd Semeste		9th P	resentation				ake effective prese	entations.	
r			ussia and Icon p	aninings1	9		derstand the histo		
			ussia and Icon p	aninings2	S		derstand the histo	ory of religion	
4th 12th Janan Orthdox chur			urch and Russia	S		derstand the histo	ory of Japan		
Quarter 13th Preparation for research at				search at Museur	n S		derstand the colle	ection of Nishida	
14th Research at Nishida Museur				da Museum	5	Students can ur collection of Toy	derstand the historama museum	ory and the	
		15th F	inal presentation	of final paper		Students can m	ake effective prese	entations.	
			Conclusion and ev	/aluation					
<u>Evalua</u> t	<u>ion Me</u> t	hod and W	eight (%)						
		kamination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Paper	Total	
			1	1	-		1	-	

Subtotal	0	40	0	0	0	60	100
Basic Ability	0	20	0	0	0	30	50
Technical Ability	0	10	0	0	0	20	30
Interdisciplinar y Ability	0	10	0	0	0	10	20

To	oyama C	College	Year	2021		Course Title	Engineering Ethics/Business Ethics		
Course	Informa	tion		•					
Course Co	ode	0027			Course Category	/ Specializ	ed / Compulsory		
Class For	mat	Lecture			Credits	Academi	c Credit: 2		
Departme	ent	Control Inf Course	formation Syste	ms Engineering	Student Grade	Adv. 2nd	I		
Term		Second Se	mester		Classes per Wee	ek 2			
Textbook	and/or Materials	『技術者の	倫理入門 第五版		橋重厚著 丸善(20	16年)			
Instructo		Yokota Kaz	zuhiro,Tsukada	Akira,Matsubara `	Yoshihiro				
	Objectiv		,	,					
(1) Basic (2) Expla	knowledge in the phile	e concerning to osophy and ba	the code of con- ackground of er	ngineering ethics ,	ering ethics / busi / business ethics.		l engineers or business persons.		
Rubric									
			Ideal Level of A (Very Good)	Achievement	Standard Level (Good)	of Achievement	Unacceptable Level of Achievement (Fail)		
Evaluatio	n 1		Clearly explain knowledge con of conduct on ethics / busine	cerning the code engineering	Ability to explair knowledge conc of conduct on er ethics / business	erning the codengineering	Unable to explain the basic knowledge concerning the code of conduct on engineering ethics / business ethics.		
Evaluatio	n 2		Clearly explain and backgroun ethics / busine	the philosophy d of engineering ss ethics.	Ability to explair and background ethics / business	of engineering	Unable to explain the philosophy and background of engineering ethics / business ethics		
Evaluatio	n 3		Clearly underst related to scier and present m as professional business perso	nce, technology ultiple solutions engineers or	Ability to explain cases related to science, technology and present multiple solutions as professional engineers or business persons. Unable to explain cases re to science, technology and present multiple solutions professional engineers or business persons.				
Assigne	d Depar	tment Obje	ectives						
ディプロマ JABEE A2	マポリシー	A-2							
	ng Metho	nd							
Outline		cases. And	l you practice et	thical behavior an	d master basic kn	owledgė to cor	s need ethics through specific htribute to the development of learn about intellectual property		
Style					point and to expr	ess your opinio	on.		
Notice		Presenta	on and Report: Ition of case stu- Pition of credit r		or more rating				
Charact	eristics	•	Division in Le		or more rading.				
	Learning		☐ Aided by IC	_	☐ Applicable to	Remote Class	☐ Instructor Professionally Experienced		
Carriage	Dlan								
Course	Plan	 	neme		1,	Goals			
			uidance				ls and structure of this course.		
		and In	troduction to m		ı	_earn morals ar	nd ethics of engineers, business		
		EI	· · · · · · · · · · · · · · · · · · ·	ess persons and e ationships and mo	- '	oersons.	ation relationships and marals		
		_,		ess persons and e	thics		ation, relationships and morals.		
	3rd	Er Er	ngineer qualifica	ntion		Discuss enginee	ers, business persons and ethics.		
	Quarter	5th Di	ethod of ethics uty of care	implementation	ι	Discuss method	of ethics implementation.		
6th Legal liability Honesty, Trut				moral liability Reliability	I	Discuss legal lia	bility and moral liability.		
2nd Semeste 7th			countability histle blower		[Discuss account	tability and Whistle blower.		
r			nvironment and		[Discuss environ Learn intellectu	ment and ethics. al property.		
	9th	1		intellectual prop			al property from patent attorneys.		
		10th Ca	ase study 1			Case study and	Discussion.		
			ase study 2			Case study and			
	4th		ase study 3			Case study and			
	Quarter		ase study 4			Case study and			
			ase study 5			Case study and			
			ase study 6			Case study and			
	1	16th Su	ummary			oummarize the	study content.		

Evaluation Method and Weight (%)										
	Discussion	Presentation and Report	Total							
Subtotal	60	40	100							
Basic Ability	20	0	20							
Technical Ability	20	20	40							
Interdisciplinary Ability	20	20	40							

Тс	oyama C	ollege	Year	2021			Course Title	Manu	facturing System
Course	Informa	tion							
Course Co	ode	0029			Course Categ	jory	Specialize	ed / Ele	ctive
Class For	mat	Lecture			Credits		Academi	Credit	: 2
Departme	ent	Control Info Course	ormation Syste	ms Engineering	Student Grac	le	Adv. 2nd		
Term		Second Sen	nester		Classes per V	Veek	2		
Textbook Teaching		KISOSEISAI	NKAKOUGAKU((Asakura Shoten)					
Instructor		Yamamoto	Keiichiro						
Course	Objectiv	es							
Students is applied	will unders to.	stand the man	ufacturing syst	em and can answ em and can do proposition	resentation wh	nat kind	of product		he manufacturing system
Rubric									
			Ideal Level of <i>F</i> (Very Good)	Achievement	Standard Lev (Good)	el of A	chievement		ceptable Level of vement (Fail)
Understar system ar questions	nd can ans	wer practice	Understand the system and car questions.	e manufacturing n answer practice	Understand t	he mar	nufacturing	manu	nderstand the ifacturing system and can nswer practice questions.
Not under manufact not prese product a	rstand the uring syste	em and can solution at kind of pure pure pure pure pure pure pure pure	Understand the system and car presentation w product about system is appli	hat kind of manufacturing	Understand t system and c what kind of manufacturin to.	an do produc	presentation t about	Not u manu not p d produ	nderstand the ifacturing system and can resentation what kind of ict about manufacturing m is applied to.
Assigne	d Depar	tment Obje	ctives						
ディプロマ JABEE B4	7ポリシー [3-4							
	g Metho	<u></u>							
Outline Style		history of m efficiency / one-sided le manufactur students.	naterial process process contro ecture, so that	sing technology, t II. In order to tead students need wo	he production ch production i ork actively. So	form a n gene o each s	fter the indi ral at this le students on	ustrial re ecture, t e shoule	xplain about outline the evolution, processing here is not enough time in d summarize the bach shared by all the
		Exercise	6 1						
Notice		· ·		equires 60 points	or more rating	g			
	Learning		ivision in Le Aided by IC		☑ Applicable	to Rer	note Class		structor Professionally ienced
Course	Plan	1 1.							
		The	eme			Goal			
		1st Rea	ason why to le	arn the manufacti	uring system	Expla Wha tech	anation of c t are high c nology and	lass obj uality p equipm	ective by syllabus roducts, about its ent
		2nd Ou	tline of produc	tion processing			ose of how to		some products and
				entative productio		Expl	ain about re	present	ative production system
	3rd	4th Thi	inking method evelopment, de	necessary for ma sign, production)	nufacturing	Expla	ain about the lopment to	ie manu shipme	ıfacturing flow from nt
	Quarter		st and Quality				ain about thufacturing	ie conce	ept of cost and quality of
			ch theme settir	ngs and survey, 5	minutes	Set o	different the ech 5 min.	emes inc	dividually
2nd Semeste		7th Eac	ch theme settir	ngs and survey, 5	minutes	Indiv	idual themech 5 min.	e analys	sis
r		Rth Eac		ngs and survey, 5	minutes	Indiv	idual them	e analys	sis
		spe	eech oup work, Opin	ion eychango			ech 5 min. ussion on g	ากเก	
			oup work, Opin				ussion on g		
			ush up each the				/idual them		eis
	4.1.		ush up each the ush up each the				/idual them		
	4th Quarter		ush up each the				idual them		
				je by each presen	tation				presentation
			al examination		tation				n through lecture
				je by each presen	tation		•		presentation
 Evaluati	ion Meth	od and Wei		, - 5, 50011 present		₁ O. iui	ciiii ciu		F. 300
		Examin	_ ` ′	Presentation)	Report			Total
									•

Subtotal	60	20	20	100
Basic Ability	10	0	0	10
Technical Ability	30	10	10	50
Interdisciplinary Ability	20	10	10	40

To	oyama	а Со	llege		Year	2021				Introduction t	o Geoscience	
Course	Inforr	natio	on	•				•	•			
Course Co			0030				Course Categor	ry Spe	ecialize	ed / Elective		
Class For	mat		Lecture				Credits	<i>'</i>	ademic	Credit: 2		
Departme	ent		Control 1 Course	inforn	mation Syster	ns Engineering	Student Grade	Ad	evement Unacceptable Level of Achievement (Fail) In Unable to understand the general idea of the geophysic fluid dynamics Unable to understand			
Term			Second 9	Seme	ster		Classes per We	ek 2				
Textbook Teaching	Matéria		-		bution docun	nents						
Instructo			Fukudon	ne Ke	enichi							
Course												
(1) What (2) The g	does tl jovernir	ne th ng egi	ie geophy uations of	sical f geor	g of the follow fluid dynamic phisycal fluid ysical fluid dy	dynamics	ated.					
Rubric												
				(Ve	eal Level of A ery Good)		Standard Level (Good)	of Achieve	ement			
Evaluation	n 1			ide dy	early understa ea of the geop namics and co ility to explain	lisplays the	Ability to under general idea of fluid dynamics		nysical	general idea of		
Style atmosphe Students homewor					thorough und e fundamenta verning ocea mospheric mo	nic and	Basic understar the fundamenta governing ocea atmospheric me	al processe inic and	es	the fundamenta governing ocea	al processes nic and	
Assiane	ed Der	artr	nent Ob		•							
ディプロマ	マポリシ			<u>,</u>								
JABEE B1												
					lesigned to in	troduce students	to the physics the	hat goverr	the pl	henomena in the	ocean and	
Style			Students	are e	expected to a 10%) and on	attend all classes a final presentation	on time. Your gr on (60%).	ade will be	e based	d participation (at	ttendance and	
Notice			<u> </u>			physics knowledg		ıs, partial (differer	ntial equations.		
Charact	teristic	cs of	•									
□ Active			,		Aided by IC	-	☐ Applicable to	o Remote	Class	☐ Instructor P Experienced	rofessionally	
Course	Plan											
				Them	ne			Goals				
		1	.st	Intro	duction to the	e geophysical flui	d dynamics	general id	ea of t	of the ocean and the geophysical flu	uid dynamics	
		2	2nd	The	governing eq	uations (1)		Lagrangia	n and	ass, Equation of I Eulerian Approac	hes	
		3	Brd	The	governing eq	uations (2)		Physical characteristics of the ocean, Equistate, Thermodynamic Equations			an, Equation of	
	3rd Ouart	_{or} 4	ŀth	The	governing eq	uations (3)		Boussines	q appr	oximation, Rossb	y number	
	Quart	- 1	ith	Boun ocear		ns between atmo	sphere and	The Earth Balance	's heat	budget, Heat, V	Vater, and Salt	
		6	ith		trophic Flow	(1)			nic Adjı	ustment and Bala	nce, Sverdrup	
2nd Semeste		7	'th	Geos	trophic Flow	(2)			and b	aroclinic flow		
r	L	—			erm exam			midterm e		-		
		9	th	Boun	dary layers (1)		Boundary	layers	in atmosphere a	nd ocean	
		1	.0th	Boun	dary layers (2)		Bottom bo	oundar	y layer, Ekman tr	ansport	
				Barot	tropic ocean o	circulation (1)		Ekman pu				
4th Barotropic ocean circulation (circulation (2)				ry currents				
Quarter 13th Barocrinic ocean circulation (1					irculation (1)		physical p	roperti	ies of sea water, imperature and s	global alinity		
		1	.4th	Baroo	crinic ocean c	irculation (2)				c theory, eddies,		
					presentation			Final pres				
		1	.6th	Revie	ew session			Review se	ession			
Evaluat	ion M	etho	d and V	Veigl	ht (%)							
		Exan	nination	Pre	esentation	Mutual Evaluations between students	Behavior	Portfolio		Other	Total	
						Students						
Subtotal		0		30)	30	0	0		40	100	

Technical Ability	0	20	10	0	0	20	50
Interdisciplinar v Ability	0	0	10	0	0	0	10

Toyama Co	lleae	Year	2021		Course	Thesis Research I
Course Information					Title	, , , , , , , , , , , , , , , , , , , ,
Course Code	0031			Course Category	Specializa	ed / Compulsory
Class Format		/ Practical trai	ning	Credits		Credit: 5
Department	Control Info	rmation Syste	ms Engineering	Student Grade	Adv. 2nd	
Term	First Semes	ter		Classes per Week	5	
Textbook and/or Teaching Materials						
Instructor	Shina Toru, Tsukasa,Yo	Akiguchi Shun shii Yotsumi,Fu	suke,Matoba Ryui Iruyama Shoichi	chi,Oguma Hiroshi,	Tsukada Akira	a,Ito Nao,Mizumoto Iwao,Aso
Course Objectives	S					
Following three elements: 1. Students can suggestackground. 2. Students can solves: 3. Students can present three elements can present three elements.	est, design a problems by	nd construct re / their fundam	elated systems su ental and specific	ich as software, ha	velopment. rdware and ne	etwork with considering a social
Rubric						
]	Ideal Level of A	Achievement	Standard Level of	Achievement	Unacceptable Level of Achievement)
(Research work 1) Backgrounds, purpose methods, contents, rediscussion and future included.	es, esults, tasks are	All elements ar	e included.	Acceptable conter	nts.	Lacks of contents.
(Research work 2) Expression of statemental tabular.	ent, figures	Acceptable exp	ression.	Almost acceptable	e expression.	Unacceptable and lack of expression.
(Research work 3) The expression of bacand purposes.	kgrounds	Acceptable exp	ression.	Almost acceptable		Unacceptable and lack of expression.
(Research work 4) Methodology	,	Acceptable me	thodologies.	Almost acceptable methodologies.		Unacceptable methodologies.
(Research work 5) Logical Structure	1	Reasonable log	ical structure.	Almost reasonable	e structure.	Not reasonable logical structure.
(Research work 6) Critical Thinking	1	Reasonable dis	cussion.	Almost reasonable	e discussion.	Unacceptable discussion.
(Research work 7) Varesults		Cleared and valid results are expressed.		Almost valid resulexpressed.	lts are	Unacceptable results.
(Research work 8) Future works		Valid future pla Clear solutions	n and schedule. are provided.	Acceptable plan a	nd schedule.	Unacceptable plan.
(Presentation 1) (1)B	ackground	Reasonable str	ucture.	Acceptable structure		Unacceptable structure
(Presentation 2) Suitable expression of sentences and figures	' I,	Reasonable sentences and figures.		Acceptable sentences and figures		Unacceptable sentences and figures
(Presentation 3) Logical structure	1	Reasonable log	ical structure	Almost reasonable structure		Not reasonable logical structure
Assigned Departr	nent Obje	ctives				
ディプロマポリシー C- JABEE C3	3					
Teaching Method						
Outline	2 years, unmethod, evincrease the necessary fwill summa [Control] Ci [JABEE Star	der the supervaluation methologomethe comprehension application, rize and preser andard 1 (2)] (f	isor, acquire the rid, and nurture reve research capat ye research capat application to prote the research re the research re	method of literature search promotion sility through invest blem solving, analy sults we have work	e survéy, expe ability. In line tigation and e ysis and evalu ked on in Spec	,
Style	In each laboration	oratory, condu n method, mu	ct research under tiple faculty char	the guidance of th ge method	e main deputy	y supervisor advisor.
Notice	One chief excontents of instructions Pass score	xaminer and tw the presentation), with a paper over 60 points.	vo sub-investigate on and the status evaluation of 50	of activities based	ly evaluated the on the evalua	- ne content of the thesis, the ition criteria table (total table 30%, an effort status of 20%,
Characteristics of	Class / D	ivision in Le	arning	T		
☑ Active Learning	I	☑ Aided by IC	Т	☑ Applicable to F	Remote Class	☐ Instructor Professionally Experienced
Course Plan						
Course Plan	The	eme		Go	 pals	
	1			160		

		1st	Special Research			Study in the field research subject (Evaluation, Disc Improvement, Te	ussion, Re-Impl	,		
		2nd	Special Research			Study in the field research subject (Evaluation, Disc Improvement, Te	of specialization	,		
		3rd	Special Research			Study in the field of specialization necessary for research subject (Evaluation, Discussion, Re-Implementation, Improvement, Testing, Report)				
	1st	4th	Special Research			Study in the field research subject (Evaluation, Disc Improvement, Te	of specialization	,		
	Quarter	5th	Special Research			Study in the field research subject (Evaluation, Disc Improvement, Te	of specialization	,		
		6th	Special Research			Study in the field research subject (Evaluation, Disc Improvement, Te	of specialization	,		
		7th	Special Research			Study in the field research subject (Evaluation, Disc Improvement, Te	of specialization	,		
1st		8th	Special Research			Study in the field research subject (Evaluation, Disc Improvement, Te	ussion. Re-Impl	,		
Semeste r		9th	Special Research			Study in the field research subject (Evaluation, Disc Improvement, Te	of specialization	,		
		10th	Special Research			Study in the field research subject (Evaluation, Disc Improvement, Te	ussion, Re-Impl	,		
		11th	Special Research			Study in the field research subject (Evaluation, Disc Improvement, Te	of specialization	,		
	2nd	12th	Special Research			Study in the field research subject (Evaluation, Disc Improvement, Te	of specialization	,		
	Quarter	13th	Special Research			Study in the field research subject (Evaluation, Disc Improvement, Te	of specialization	,		
		14th	Special Research			Study in the field research subject (Evaluation, Disc Improvement, Te	of specialization	,		
		15th	Special Research			Study in the field research subject (Evaluation, Disc Improvement, Te	of specialization	,		
		16th	Special Research			Study in the field research subject (Evaluation, Disc Improvement, Te	of specialization	,		
Evaluati	on Meth	od and \	Weight (%)			•				
		amination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total		
	10	0	0	0	0	0	0	100		
Subtotal				1 -	1 -		1~	1 ± 0 0		
Subtotal Report	30	<u> </u>	0	0	0	0	0	30		
Subtotal Report Presentati	30		0	0	0	0	0	30 50		

Toyama Colle	ege	Year	2021		Course Title	Thesis Research II	
Course Information	n						
	0032			Course Category		ed / Compulsory	
		/ Practical train		Credits	Academi	c Credit: 5	
	Lontroi Info Course	rmation Syster	ns Engineering	Student Grade	Adv. 2nd		
	Second Sem	nester		Classes per Week	5		
Textbook and/or Teaching Materials							
Instructor	Shina Toru, Tsukasa,Yos	Akiguchi Shuns shii Yotsumi,Fu	uke,Matoba Ryui ruyama Shoichi	chi,Oguma Hiroshi,	Tsukada Akir	a,Ito Nao,Mizumoto Iwao,Aso	
Course Objectives							
Following three elemen 1. Students can sugges background. 2. Students can solve p 3. Students can presen	st, design a	nd construct re	lated systems su	ch as software, ha	velopment. rdware and ne	etwork with considering a social	
Rubric							
	I	deal Level of A	chievement	Standard Level of	Achievement	Unacceptable Level of Achievement)	
(Research work 1)						Achievementy	
Backgrounds, purposes methods, contents, res discussion and future to included.	ults, /	All elements are	e included.	Acceptable conter	nts.	Lacks of contents.	
(Research work 2) Expression of statemen and tabular.	nt, figures A	Acceptable exp	ression.	Almost acceptable	e expression.	Unacceptable and lack of expression.	
(Research work 3) The expression of back and purposes.	grounds A	Acceptable exp	ression.	Almost acceptable	e expression.	Unacceptable and lack of expression.	
(Research work 4) Methodology		Acceptable methodologies.		Almost acceptable methodologies.		Unacceptable methodologies.	
(Research work 5) Logical Structure		Reasonable logi	ical structure.	Almost reasonable	e structure.	Not reasonable logical structure.	
(Research work 6) Critical Thinking	F	Reasonable disc	cussion.	Almost reasonable	e discussion.	Unacceptable discussion.	
(Research work 7) Valides		Cleared and valid results are expressed.		Almost valid resul expressed.	lts are	Unacceptable results.	
(Research work 8) Future works		Valid future plan and schedule. Clear solutions are provided.		Acceptable plan a	nd schedule.	Unacceptable plan.	
(Presentation 1) (1)Bac	ckground F	Reasonable structure.		Acceptable structure		Unacceptable structure	
(Presentation 2) Suitable expression of sentences and figures.		Reasonable sen igures.	tences and	Acceptable sentences and figures		Unacceptable sentences and figures	
(Presentation 3) Logical structure	F	Reasonable logi	ical structure	Almost reasonable	e structure	Not reasonable logical structure	
Assigned Departm	ent Objec	ctives					
ディプロマポリシー C-3 JABEE C3							
Teaching Method							
For special research topics related to the same control information system through major departments 1 and 2 years, under the supervisor, acquire the method of literature survey, experimental / theoretical analysis method, evaluation method, and nurture research promotion ability. In line with each concrete theme, increase the comprehensive research capability through investigation and education of required knowledge necessary for application, application to problem solving, analysis and evaluation of the results obtained. We will summarize and present the research results we have worked on in Special Study I. [Control] C3 [JABEE Standard 1 (2)] (f) (g)							
Style	In each laboratory, conduct research under the guidance of the main deputy supervisor advisor. Classification method, multiple faculty charge method						
Notice C	One chief ex contents of nstructions	kaminer and tw the presentatio	o sub-investigato n and the status	of activities based	ly evaluated the on the evalua	ne content of the thesis, the attack the state of the thesis, the state of the thesis of the thesis of the state of the st	
Characteristics of (<u>Class / Di</u>	vision in Lea	arning	1			
☐ Active Learning		Aided by IC	Γ	☐ Applicable to F	Remote Class	☐ Instructor Professionally Experienced	
Course Plan	1						
	The	eme		Go	oals		

		1st	Special Research			Study in the field research subject (Evaluation, Disc Improvement, To	cussion, Re-Imple	,	
		2nd	Special Research			Study in the field research subject (Evaluation, Disc Improvement, T	d of specialization		
		3rd	Special Research			Study in the field research subject (Evaluation, Disc Improvement, T	cussion, Re-Imple	•	
	3rd	4th	Special Research			Study in the field research subject (Evaluation, Disc Improvement, T	cussion, Re-Imple	ŕ	
	Quarter	5th	Special Research			Study in the field research subject (Evaluation, Disc Improvement, T	cussion, Re-Imple	ŕ	
		6th	Special Research			Study in the field research subject (Evaluation, Disc Improvement, T	cussion, Re-Imple	,	
2nd		7th	Special Research			Study in the field research subject (Evaluation, Disc Improvement, T	cussion, Re-Imple	,	
Semeste r		8th	Special Research			Study in the field research subject (Evaluation, Disc Improvement, T	cussion, Re-Imple	,	
		9th	Special Research			Study in the field research subject (Evaluation, Disc Improvement, T	cussion, Re-Imple	,	
		10th	Special Research			Study in the field research subject (Evaluation, Disc Improvement, T	cussion, Re-Imple	,	
	4th	11th	Special Research			research subject (Evaluation, Disc	Study in the field of specialization necessary for research subject (Evaluation, Discussion, Re-Implementation, Improvement, Testing, Report)		
	Quarter	12th	Special Research			Writing research presentation slid subjects.	paper and prepa es for summariz	aring ing the research	
		13th	Special Research			Writing research presentation slid subjects.	es for summarizi	ing the research	
		14th	Special Research			Writing research presentation slid subjects.	paper and prepa es for summarizi	aring ing the research	
		15th	Special Research(Paper presentat	on)	Report of the res	search subjects.		
		16th	Special Research			Summarizing the	e research activit	у.	
Evaluati	ion Meth	nod and \	Weight (%)						
	Ex	amination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total	
Subtotal	10		0	0	0	0	0	100	
Report	30		0	0	0	0	0	30	
Presentat	ion 50		0	0	0	0	0	50	
Effort	20		0	0	0	0	0	20	

To	Toyama College Course Information		Year 2021				Advanced Electromagnetic Waves
Course	Informa	tion					
Course Co		0033			Course Categor	· · · · · · · · · · · · · · · · · · ·	ed / Elective
Class Forr	mat	Lecture	· · · · · · ·		Credits	Academic	Credit: 2
Departme	ent	Control In	formation Syste	ems Engineering	Student Grade	Adv. 2nd	
Term		First Seme	ester		Classes per Wee	ek 2	
Textbook							
Teaching Instructor		Shina Toru					
	Objectiv	•					
Through t (1) Maxw (2) Unifor (3) Plane	this course ell's equat m plane v waves at	. understand	space and dielo	ving will be facilitat trics : media	ted		
Rubric							
			Ideal Level of (Very Good)	Achievement	Standard Level (Good)	of Achievement	Unacceptable Level of Achievement (Fail)
Evaluation	n 1		Clearly unders	tands and has the in the Maxwell's uniform plane	Ability to under	well's Equations	Unable to understand and
Evaluation 2			Clearly unders	plane waves and is them in detail. to solve	Ability to explain of plane waves explain them in ability to solve by	detail. Has the	Unable to explain the properties of plane waves. Unable to solve basic problems.
Evaluation 3				eflection and s and is able to n detail. Has the	Ability to explain the properties of reflection and standing waves and is able to explain them in detail. Has the ability to solve basic problems.		Unable to explain the properties of reflection and standing waves. Unable to solve basic problems.
Assigne	d Depar	tment Obj	ectives		•		
ディプロマ	7ポリシー						
JABEE B2		1					
Leachin	g Metho		-11.1				
Outline		waves, spe	ecifically: optica	arn about the princ al fiber, waveguide	and distributed	circuit.	al physics of electromagnetic
Style			rpose of unders and examples.	standing the Electro	omagnetic wave	s, lectures and e	exercises faciliate the learning of
Notice		The recogn	nition of credit i	requires 60 points of basic electromag	or more rating.	2	
Charact	oristics		Division in Le		Juenes and wave	<u>z. </u>	
		JI Class / L		<u> </u>			☐ Instructor Professionally
☑ Active	Learning		☑ Aided by IC		1		
]] 	☑ Applicable to	Remote Class	Experienced
Course	Dlan				☑ Applicable to	Remote Class	
	I IGII				☑ Applicable to	Remote Class	
	lan	t t	heme			Goals	Experienced
		1st Ir	ntroduction of th	nis class. Maxwell's	s Equations	Goals To explain the M	Experienced 'Assuming to Service Servi
	i idii	1st Ir 2nd U	ntroduction of th niform Plane W	nis class. Maxwell's aves. (1) Introduct	s Equations tion	Goals To explain the M To explain unifo	Experienced faxwell's Equations. rm plane waves in free space.
	i idii	1st Ir 2nd U	ntroduction of th niform Plane W	nis class. Maxwell's	Equations tion elocity, Group	Goals To explain the M To explain unifo	Experienced 'Assuming to Service Servi
		1st Ir 2nd U 3rd U 4th U	ntroduction of the niform Plane W niform Plane W elocity niform Plane W	nis class. Maxwell's aves. (1) Introduct	s Equations tion elocity, Group	Goals To explain the Machine To explain unifo To explain the papace.	Experienced faxwell's Equations. rm plane waves in free space.
	1st Quarter	1st Ir 2nd U 3rd Uve 4th U	ntroduction of th niform Plane W niform Plane W elocity	nis class. Maxwell's aves. (1) Introduct aves. (2) Phase Ve	s Equations tion elocity, Group ropagation in	Goals To explain the M To explain unifo To explain the p space. To explain the w	Maxwell's Equations. Implane waves in free space. In the space of the space of the space. In the space of the space of the space of the space. In the space of the space o
	1st	1st Ir 2nd U 3rd U 4th U 5th Lo	ntroduction of the niform Plane W niform Plane W elocity niform Plane W ree Space.	nis class. Maxwell's aves. (1) Introduct aves. (2) Phase Ve aves. (3) Waves Pi	s Equations tion elocity, Group ropagation in	Goals To explain the M To explain unifo To explain the p space. To explain the w	As and group velocity in free space. Vave propagation in free space. E waves in a loss material.
	1st	1st Ir 2nd U 3rd V 4th U 5th Lc 6th E	ntroduction of the niform Plane W niform Plane W elocity niform Plane W ree Space. loss Material vanescent Waves at E	nis class. Maxwell's aves. (1) Introduct aves. (2) Phase Ve aves. (3) Waves Pi	s Equations tion elocity, Group ropagation in	Goals To explain the M To explain unifo To explain the p space. To explain the w To explain plane To explain evan	As and group velocity in free space. Vave propagation in free space. E waves in a loss material.
Semeste	1st	1st Ir 2nd U 3rd V 4th U 5th Lc 6th E 7th P	ntroduction of the niform Plane Welocity niform Plane Welocity niform Plane Welocity niform Plane Wee Space. Doss Material wanescent Wave ane Waves at Elormal Incidence waves at Elormal Incidence waves at Elormane Waves at Elor	nis class. Maxwell's aves. (1) Introduct aves. (2) Phase Ve aves. (3) Waves Pr es.	s Equations tion elocity, Group ropagation in flection at	Goals To explain the M To explain unifo To explain the p space. To explain the w To explain plane To explain evane To explain the ro at boundaries.	As well's Equations. If any plane waves in free space.
1st Semeste r	1st	1st Ir 2nd U 3rd Ve 4th U 5th Le 6th E 7th P 8th P	niform Plane W niform Plane W niform Plane W elocity niform Plane W ree Space. loss Material vanescent Wave ane Waves at E ormal Incidence ane Waves at E ormal Incidence	nis class. Maxwell's aves. (1) Introduct aves. (2) Phase Veaves. (3) Waves Press. (3) Waves Press. (1) Refe. (a) Conductor Boundaries. (1) Refeoundaries. (1) Refeoundaries. (1) Refeoundaries. (1) Refeoundaries. (1) Refe	s Equations tion elocity, Group ropagation in flection at flection at	Goals To explain the M To explain unifo To explain the p space. To explain the w To explain plane To explain evane To explain the m at boundaries. To explain the m at boundaries.	Asxwell's Equations. Implane waves in free space. In the wave propagation in free space. In the wave propagation in free space. In the waves in a loss material.
Semeste	1st	1st Ir 2nd U 3rd V 4th U 5th Lc 6th E 7th N 8th P 9th P 10th P	niform Plane W niform Plane W elocity niform Plane W ree Space. oss Material vanescent Wave ane Waves at E ormal Incidence ane Waves at E ormal Incidence ane Waves at E blique Incidence ane Waves at E	nis class. Maxwell's aves. (1) Introduct aves. (2) Phase Ve aves. (3) Waves Press. (3) Waves Press. (4) Refe. (a) Conductor Boundaries. (1) Refe. (b) Dielectronic Boundaries. (2) Reference Boundaries. (2) Reference average average.	s Equations tion elocity, Group ropagation in flection at flection at flection at flection at flection at	Goals To explain the M To explain unifo To explain the p space. To explain the w To explain plane To explain evan To explain the m at boundaries. To explain the m at boundaries. To explain the m at boundaries.	Experienced Maxwell's Equations. Implane waves in free space. In the wave propagation in free space. In the waves in a loss material.
Semeste	1st Quarter 2nd	1st Ir 2nd U 3rd Ve 4th U 5th Le 6th E 7th N 8th P 9th P 10th P	niform Plane W niform Plane W elocity niform Plane W ree Space. oss Material vanescent Wave ane Waves at E ormal Incidence ane Waves at E ormal Incidence ane Waves at E blique Incidence ane Waves at E	nis class. Maxwell's aves. (1) Introduct aves. (2) Phase Veaves. (3) Waves Programmers. (1) Refe. (a) Conductor Boundaries. (1) Refe. (b) Dielectronic Boundaries. (2) Refeangles. (a) Cond Boundaries. (2) Refeangles. (3) Refeangles. (4) Refeangles. (4) Refeangles. (5) Refeangles. (6) Re	s Equations tion elocity, Group ropagation in flection at	Goals To explain the M To explain unifo To explain the p space. To explain the w To explain plane To explain evan To explain the m at boundaries.	Experienced Maxwell's Equations. Implane waves in free space. In the wave propagation in free space. In the waves in a loss material.
Semeste	1st Quarter	1st Ir 2nd U 3rd V 4th Fr 5th Lc 6th E 7th P N 8th P O 10th P O 11th T 12th Si	ntroduction of the niform Plane William Plane William Plane William Plane William Plane William Plane William Plane Waves at Eormal Incidence ane Waves at Eblique Incidence of continue	nis class. Maxwell's aves. (1) Introduct aves. (2) Phase Veaves. (3) Waves Programmers. (1) Refe. (a) Conductor Boundaries. (1) Refe. (b) Dielectronic Boundaries. (2) Refeangles. (a) Cond Boundaries. (2) Refeangles. (3) Refeangles. (4) Refeangles. (4) Refeangles. (5) Refeangles. (6) Re	s Equations tion elocity, Group ropagation in flection at	Goals To explain the M To explain unifo To explain the p space. To explain the w To explain plane To explain evan To explain the m at boundaries.	Experienced Maxwell's Equations. Implane waves in free space. In the wave propagation in free space. In the waves in a loss material.

		14th	Standing Wave. (3	3) Reflection Coef	fficient	To explain reflection coefficient at standing waves.			
		15th	Final examination			Final examination	า		
		16th	Summary			Summarize the s	tudy content and	confirm grades.	
Evaluation	n Met	thod and V	Veight (%)						
	Examination Presentation Mutual Evaluations between students						Other	Total	
Subtotal	6	0	0	0	0	0	40	100	
Basic Ability	, O	1	0	0	0	0	0	0	
Technical Ability 60 0		0	0	0	0	40	100		
Interdiscipling Ability	nar 0		0	0	0	0	0	0	

Тс	oyama C	ollege		Year	2021		C	Course Title	Trade Procedure in Port		
Course	Informa	tion						_			
Course Co		0034				Course Categor	ry	T '	ed / Elective		
Class Forr	mat	Lecture		manting Custo	ma Frainceine	Credits		Academi	c Credit: 2		
Departme	ent	Course	THIOI	mation Syste	ms Engineering	Student Grade		Adv. 2nd			
Term		First Se				Classes per We		2			
Textbook Teaching		ASAZUN shijyou- handou	4Α Υι -chyu ts at	utaka, FUKUD ukosya • chyu times.	A Tomoko, TOGA Jukobuhin no koki	WA Kenichi, OKA usai ryuutsuu-" (AMOTC Seizan	O Katsunor Idou syoter	ri "Jidousya riyuusu to guroubaru n, 2017.And we will distribute the		
Instructor		Okamot	o Kat	tsunori							
	Objectiv										
	s get basi	c knowledg	ge ab	out Incoterm	s and procedures	of port transpor	tation,	, customs (clearance, and payment terms.		
Rubric			To	deal Level of	Achiovomont	Standard Level	l of Acl	hiovomont	Unacceptable Level of		
				Very Good)	Acmevement	(Good)	OI ACI	illeverneric	Achievement (Fail)		
Evaluation	า 1		al Ir po cl A ex bo	bout technica ncoterms and ort transporta earance, and s a result, the	procedures of ation, customs payment terms. by will be able to chose purposes, aults with	Students will be about technical Incoterms and port transporta clearance, and	I terms proced ation, o	s of dures of customs	technical terms of Incoterms and procedures of port transportation, customs		
Assigne	d Denar	tment O				1					
ディプロマ	アポリシー /		<u> ٢٠٢٠</u>								
JABEE A2											
Teachin	g Metho										
Outline		relation	in th	e case of use	d car export.	isportation, cust	.oms c	learance, a	and payment terms with mutual		
Style				ingle teacher.							
Notice		Studen Term-e	t's fir end e	nal grade will xamination :	rehand the design be decided based 100% arn at least 60 poi	on the following	uired r J:	materials.			
Charact	eristics o	of Class	/ Div	ision in Le	arning						
□ Active	Learning			Aided by IC	CT	☑ Applicable to	o Rem	note Class	☐ Instructor Professionally Experienced		
Course	Dlan										
Course	Piaii	Ī	Thei	me			Goals				
		1st			d economic roles o	of ports	Stude	ents will be	e able to understand the plan,		
		2nd			d economic roles of	·	goal, and way of assess about this subject. Students will be able to understand concepts of				
				. arredoris und	2 20011011110 10103 0	po. 65	ports.		mprohand autling of transition		
		3rd		itutions of tra e of used car	insportation for ex export-	port –in the	Students will comprehend outline of transition about institutions of transportation for export. Then they will be able to understand the roles of "Export Trade Control Order" and "The Fundamental Directives of Customs Law". In addition, they will comprehend outline about logistics and modes of transportation.				
1st Semeste r	Semeste			itutions of tra e of used car	insportation for ex export-	port –in the	about Then "Expo Funda additi	t institutior they will b ort Trade C amental Di ion, they w	Imprehend outline of transition as of transportation for export. be able to understand the roles of control Order" and "The irrectives of Customs Law". In will comprehend outline about odes of transportation.		
		5th	Inst	itutions of tra -in the case	nsportation for ex of used car expor	port with cargo t-	Stude	ents will be	e able to understand major pre- rcial terms for trade in Incoterms.		
		6th	Inst	itutions of tra		port with cargo	Stude	ents will be	e able to understand major pre- rcial terms for trade in Incoterms.		
		7th	Inst	itutions of tra	nsportation for ex of used car expor	port with cargo	Stude	ents will be	e able to understand major pre- rcial terms for trade in Incoterms.		
			Proc	cedures of tra	nsportation for ex ase of used car ex	port with cargo	Students will comprehend procedures of port				
	2nd Quarter	9th			Students will co				omprehend procedures of port until issuance of B/L. And they will erstand the roles of each		

			10th		stoms clearance fo the case of used		clearance until i	issuance of E/ and the roles	ocedures of customs P. And they will be of each document. In d about details and	
			11th		stoms clearance fo n the case of used		clearance until i	issuance of E/ and the roles	ocedures of customs P. And they will be of each document. In d about details and	
			12th	Procedures of payment terms for export with cargo flow –in the case of used car export- The cargo flow –in the case of used car export- The cargo flow –in the case of used car export- The cargo flow –in the case of used car export- The cargo flow –in the case of used car export- The cargo flow –in the case of used care expo						
			13th	Procedures of par cargo flow –in the	yment terms for e e case of used car	xport with export-	Students will comprehend procedures of payment terms. For example, management of documentary bill of exchange with L/C and management of T/T. And they will be able to comprehend about relationship between port transportation, customs clearance and payment terms in procedures. As a result, they will understand about benefits and faults of each payment terms.			
			14th		refound for expo e case of used car		Students will comprehend procedures of tax refound for exporters.			
			15th	A terminal exami	nation		Teacher confirms achievement degree of each student for all lectures.			
			16th	Return answer pa answer	apers and explain	about model	Students and te examination an		n score of t of this subject.	
Evaluati	on M	eth	od and V	Veight (%)						
		Exa	mination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total	
Subtotal		100)	0	0	0	0	0	100	
Basic Abil	ity	0		0	0	0	0	0	0	
Technical Ability		100)	0	0	0	0	0	100	
Interdiscipy Ability	Interdisciplinar 0			0	0	0	0	0	0	

To	oyama C	College	Year	2021		Course Title	Port Logistics	
Course	Informa	tion						
Course Co		0036			Course Categor	′ 	zed / Elective	
Class For	mat	Lecture	f	Facial and a	Credits	Academ	ic Credit: 2	
Departme	ent	Control In Course	formation Syste	ms Engineering	Student Grade	Adv. 2n	d	
Term		First Seme			Classes per We			
Textbook Teaching		kouwan"S "Jidousya	eizandou syoter riyuusu to guro	n. 2001.ASAZUMA	Yutaka, FUKUDA uukosya•chyuul	A Tomoko, TOO	Gendai nihon keizai to GAWA Kenichi, OKAMOTO Katsunori tusai ryuutsuu-" Seizandou syoten,	
Instructo	r	Okamoto	Katsunori					
Course	Objectiv	es						
understar	study port nd the issu	t logistics. Sti les in port log	udents understa gistics.	nd the economic f	functions of port	facilities and th	ne logistics of port logistics and	
Rubric					T			
			Ideal Level of (Very Good)	Achievement	Standard Level (Good)	of Achievemer	It Unacceptable Level of Achievement (Fail)	
Evaluation	n 1		about port logi will be able to economic func facilities and th logistics using In addition, stu	tions of port ne logistics of port technical terms.	Students will be about port logis will be able to e economic funct facilities and the logistics using t	stics. Students explain the ions of port e logistics of po	logistics using technical terms. Students can not explain the economic functions of port ort facilities and the logistics of port	
Assigne	d Depar	tment Obj	ectives					
ディプロマ JABEE A2	アポリシー	A-2						
	g Metho	od						
Outline	<u> </u>	Students I regional e	earn the role po conomy. In add in harbors.	ort logistics plays i ition, students wil	n society from th I learn the conter	e relationship nts and transfo	between port logistics and the rmation of logistics operations,	
Style		<u> </u>	single teachers	5.				
Notice		Student's Term-en	final grade will d examination:	rehand the design be decided based 100% arn at least 60 poi	on the following			
Charact	eristics	· · ·	Division in Le					
☐ Active	Learning		☐ Aided by IC	T	☑ Applicable to	Remote Class	☐ Instructor Professionally Experienced	
Course	Plan							
		Т	heme			Goals		
		1st G	uidance			Students will b	e able to understand the plan, of assess about this subject.	
		2nd P	osition of Japan	ese port in the wo	ırld	Students unde	rstand the international so of Japanese ports.	
		3rd II	nternational spe	cialization in indus		<u> </u>	rstand development of the rnational specialization.	
	1st	4th P	orts as logistics	hub			rstand occurrence factor of ports as	
	Quarter	5th P	orts as logistics	hub			rstand factor of ports as logistics	
		6th B	uild up to logisti	cs base in port		Students unde base and it's re	rstand devepopment of logistics ble.	
1st Semeste r		7th B	uild up to logisti	cs base in port		Students unde base and it's re	rstand devepopment of logistics ble.	
•		8th B	uild up to logisti	cs base in port		Students understand devepopment of logistics base and it's role.		
		9th C	haracter of port	logistics		Students understand five character of port logistics.		
		10th C	haracter of port	logistics		Students unde logistics.	rstand five character of port	
	2nd Quarter	11th F	ree trade zone			and FAZ.	rstand system of free trade zone	
		12th M	lanagement of I	nformation		Students unde of port logistic	rstand the purpose and background s EDI.	
	<u> </u>	13th C	utsourcing of po	orts		Students understand the role of 3 PL and the background of its occurrence.		

	14th	Multimodal transp	oortation		multimodal tra understand th	erstand the med ansportation. Ir e relationship whe position of f	addition, with port logistics
	15th	A terminal exami	nation		Teacher confine student for all	rms achievemei lectures.	nt degree of each
	16th	Return answer pa answer	pers and explain	n about model		teacher confirm nd achievemen	n score of it of this subject.
Evaluation I	Method and	Weight (%)					
	Examination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total
Subtotal	100	0	0	0	0	0	100
Basic Ability	0	0	0	0	0	0	0
Technical Ability			0	0	0	0	100
Interdisciplina y Ability	0	0	0	0	0	0	0

Evaluation 1 understand the cocepts, the theories and the theories and the theories of international relations. Students can properly understand the major international orders from the contemporary era. Students can properly understand the major international orders from the contemporary era. Students can properly understand the major international relations in the East Asian region including Japan Sea rim from the aspects of the Japan's plateral relations in the East Asian region including Japan Sea rim from the aspects of the Japan's plateral relations in the region. Assigned Department Objectives ### Assigned Department Objec	To	oyama C	College		Year	2021		(Course Title	International Relations
Cases permet Lecture	Course	Informa	tion						_	
Department Course			0041					γ	 	'
Course Course Course Classes per Week 2	Class For	mat					Credits		Academi	c Credit: 2
Textbook and/or Course Objectives	•	ent	Course			ms Engineering				1
Enabrance Enhance Taylors		17	Second S	Semes	ster		Classes per We	ek	2	
1. Students can understand the cocapte, the theories and the frameworks of international relations understand the major international orders from the Modern period to the contemporary era. Students can understand the international relations in the East Asia region including Japan Sea rim from the aspects of the Japan's bilateral relations with the countries in the region.			Docume	nts dis	stributed					
1. Students can understand the major international orders from the moloring period to the contemporary era. 3. Students can understand the international relations in the East Asia region including Japan Sea rim from the aspects of the Japan's bilateral relations with the countries in the region. Rubric Ideal Level of Achievement (Very Good)			•	Tsuyo	shi					
Ideal Level of Achievement (Cycry Good)	1. Studen 2. Studen 3. Studen Japan's b	its can und its can und its can und	derstand the derstand the derstand the	e majo e inter	or internatio rnational rela	nal orders from tl ations in the East	ne Modern period	d to th	ne contem	porary era.
Students can properly understand the cocepts, the theories and the frameworks of international relations. Evaluation 2 Evaluation 3 Students can properly understand the cocepts, the theories and the frameworks of international relations. Students can properly understand the international relations. Students can properly understand the international relations of international orders from the Modern period to the contemporary era. Students can properly understand the international relations in the East Asian inform the aspects of the Japan's plateral relations with the countries in the region. Assigned Department Objectives ### Total Plant Plant	Rubric			<u> </u>			T			
Evaluation 1 Understand the cocepts, the theories and the theory than					ery Good)			of Ac	hievement	
Evaluation 2 understand the major international orders from the Modern period to the contemporary era. Students can properly understand the international orders from the contemporary era. Students can properly understand the international relations in the East Asian region including Japan Sea rim from the aspects of the Japan's bilateral relations with the countries in the region. Assigned Department Objectives Assigned Department Objectives FAJIOTATUS—A-1 Teaching Method Outline This course focuses on the way of understanding the reality of international relations for the Japan's bilateral relations with the analytical frameworks of international relations. This course consists of two parts. In the first part, the instructor will teach the basic concepts and theories the important elements of the framework of international relations, and then, will teach the major international orders since the modern period in order to let students understand the characteristics of the international orders and summarize the main points of the papers exceeding to the instructions. Notice In this course, students must read and summarize the main points of the papers or books before the class Because the instructor values the contents of the papers in the evaluation, it is necessary for students to papers exceeding to the instructions. Characteristics of Class / Division in Learning Active Learning Them Them Gools Them Gools Them Gools Them Gools Them Gools Them of the international relations of the papers or books before the class Because the instructor values the contents of the papers in the evaluation, it is necessary for students to papers exceeding to the instructions. Characteristics of class / Division in Learning And Major actors of international relations / Characteristics of international relations. Them of the international relations in the evaluation of international relations. The course of the international relations of international relations. The course of the international relations	Evaluatio	Evaluation 1			derstand the ories and th	cocepts, the efframeworks of	cocepts, the the frameworks of	eories	and the	
Understand the international relations in the East Asian region including Japan Sea rim from the aspects of the Japan's bilateral relations with the aspects of the Japan's bilateral relations with the countries in the region. Sea Xaian region including Japan Sea rim from the aspects of the Japan's bilateral relations with the countries in the region. Assigned Department Objectives	Evaluation 2			inte Mo	derstand the ernational or dern period	e major ders from the to the	major internation the Modern per	onal c	orders fron	the Modern period to the
TAJATEMENT A-1 Dabet Alse Alse Alse Alse Alse Alse Alse Alse	Evaluation 3			und rela reg froi bila	derstand the ations in the gion including m the aspec ateral relatio	e international East Asian g Japan Sea rim ts of the Japan's ns with the	international relations in the East Asian region including Japan Sea rim from the aspects of the Japan's bilateral relations		is in the cluding the aspect al relation	s Japan Sea rim from the aspects s of the Japan's bilateral relations
Teaching Method Outline This course focuses on the way of understanding the reality of international relations formed by the variou actors' behaviors with the analytical frameworks of international relations. This course consists of two parts. In the first part, the instructor will teach the basic concepts and theories the important elements of the framework of international relations, and then, will teach the major international orders since the modern period in order to let students understand the characteristics of the international order after Cold War. In the second part, the instructor will teach the major international relations in the East Asia region including Japan Sea rim with the framework of states' power under the trend of globalization, and then students will try to analyze the real situations of international relations in the East Asia region including Japan Sea rim with the framework. In this course, students must read and summarize the main points of the papers or books before the class each set instructor values the contents of the papers in the evaluation, it is neccessary for students to value the cause of the papers in the evaluation, it is neccessary for students to value the cause of the papers of the papers of books before the class. Characteristics of Class / Division in Learning Active Learning Theme Goals Students can understand the course contents goal. Add by ICT Applicable to Remote Class Instructor Professionally Experienced Course Plan Theme Goals Students can understand the main theme of international relations of international relations and the characteristics of international society. Add Major actors of international relations Theory of international relations #1 Students can understand the the Realist Theory of international relations #2 Theory of international relations #1 Students can understand the formation of the Modern international relations. Students can understand the major internation orders of international relations. The paper actors of inte				jecti	ves					
Teaching Method Outline This course focuses on the way of understanding the reality of international relations formed by the various actors' behaviors with the analytical frameworks of international relations. This course consists of two parts. In the first part, the instructor will teach the basic concepts and theories the important elements of the framework of international relations, and then, will teach the major international order since the modern period in order to let students understand the characteristics of the international order after Cold War. In the second part, the instructor will teach the analytical framework of states' power under the trend of globalization, and then students will try to analyze the real situations of international relations in the East Asia region including Japan Sea rim with the framework. In this course, students must read and summarize the main points of the papers or books before the class Because the instructor values the contents of the papers in the evaluation, it is necessary for students to a papers according to the instructions. Characteristics of Class / Division in Learning Active Learning Theme Goals Theme Goals Course Plan Theme Goals Students can understand the course contents of the papers of international relations and the characteristics of international society. Adding the ment of the international relations of international relations and the characteristics of international relations. Theory of international relations #1 Students can understand the the Realist Theories of international relations. Students can understand the the Liberalist Theories of international relations. Theory of international relations in Modern times #1 Theories of international relations. Students can understand the major internation of orders from the Will tow WII. The International relations in Modern times #3 Students can understand the major internation orders from the Will the Cold War. The International relations in Modern times #3 Students can under			A-1							
This course focuses on the way of understanding the reality of international relations formed by the various actors' behaviors with the analytical frameworks of international relations. This course consists of two parts. In the first part, the instructor will teach the basic concepts and theories the important elements of the framework of international relations, and then, will teach the major international orders since the modern period in order to let students understand the characteristics of the international orders after Cold War. In the second part, the instructor will teach the analytical framework of states' power under the trend of globalization, and then students understand the characteristics of the international relations in the East Asia region including Japan Sea rim with the framework. In this course, students must read and summarize the main points of the papers or books before the class Because the instructor values the contents of the papers in the evaluation, it is necessary for students to the papers according to the instructions. Characteristics of Class / Division in Learning Active Learning Theme Goals Theme Goals Students can understand the course contents of the papers or pooks before the class of the papers in the evaluation, it is necessary for students to the papers are coording to the instructions. Course Plan Theme Goals Students can understand the course contents of the papers or professionally experienced Admin theme of the international relations / Students can understand the main theme of international relations and the characteristics of international relations. Theory of international relations #1 Students can understand the the Realist Theories of international relations. Theory of international relations #1 Students can understand the the Liberalist Theories of international relations. Students can understand the major internation of orders from the Will the Cold War. The International relations in Modern times #3 Students can understand the major inter	Teachin	a Metho	od							
This course consists of two parts. In the first part, the instructor will teach the basic concepts and theories the important elements of the framework of international relations, and then, will teach the major international orders since the modern period in order to let students understand the characteristics of the international order after Cold War. In the second part, the instructor will teach the analytical framework of international relations in the East Asia region including Japan Sea rim with the framework. Notice In this course, students must read and summarize the main points of the papers or books before the class Because the instructor values the contents of the papers in the evaluation, it is neccesary for students to value the contents of the papers in the evaluation, it is neccesary for students to value the contents of the papers in the evaluation, it is neccesary for students to value the certain of the papers of the papers of books before the class Because the instructor values the contents of the papers in the evaluation, it is neccesary for students to value the certain of the papers of the papers of the papers of the papers of the class and summarize the main points of the papers of the class and summarize the main points of the papers of the class and summarize the main points of the papers of the class and summarize the main points of the papers of the class and summarize the main points of the papers of the class and summarize the main points of the papers of the class and summarize the main points of the papers of the class and summarize the main points of the papers of the class and summarize the main points of the papers of the class and summarize the main points of the papers of the class and summarize the main points of the papers of the class and summarize the main points of the class and summarize the main points of the papers of the class and summarize the main points of the papers of the class and summarize the main points of the papers of the class and summarize the main poin		_	This cou	rse fo	cuses on the	way of understa	nding the reality	of int	ternational	relations formed by the various
In this course, students must read and summarize the main points of the papers or books before the class Because the instructor values the contents of the papers in the evaluation, it is neccesary for students to a papers according to the instructions. Characteristics of Class / Division in Learning Active Learning Aided by ICT Applicable to Remote Class Instructor Professionally Experienced Instructor Professionally Experienced Course Plan Course Plan Theme Goals Students can understand the course contents goal. Students can understand the main theme of international relations / Characteristics of international society Instructor Professionally Experienced Students can understand the course contents goal. Students can understand the main theme of international relations and the characteristics of international relations Students can understand major actors of international relations Students can understand the the Realist Theoric of international relations. Students can understand the the Liberalist Theories of international relations. Students can understand the the Liberalist Theories of international relations. Students can understand the formation of the Modern international relations. Students can understand the major internation orders from the WWI to WWII. Bith International relations in Modern times #3 Students can understand the major internation orders from the WWI to WWII. Students can understand the major internation orders from the WWI to WWII.	Style		This counthe impointernation internation states' po	rse co ortant onal o onal o ower	onsists of two elements of orders since order after C under the tr	parts. In the first the framework of the modern perion old War. In the se end of globalization	st part, the instru f international re d in order to let second part, the in on, and then stu	uctor v lation stude nstruc dents	will teach to the standard the	n, will teach the major tand the characteristics of the ach the analytical framework of the analyze the real situations of
Active Learning	Notice		In this co Because	ourse, the ir	, students m nstructor val	ust read and sumues the contents	marize the main	point	ts of the p	apers or books before the class.
Course Plan Theme Goals Students can understand the course contents goal. 2nd Semeste Theory of international relations #1 Goals Students can understand the main theme of international relations of international relations. Students can understand the main theme of international relations and the characteristics of international society. 3rd Major actors of international relations Students can understand major actors of international relations Students can understand the the Realist Theorem of international relations. Students can understand the the Realist Theorem of international relations. Students can understand the the Liberalist Theorem of international relations. Students can understand the formation of the Modern international relations. Students can understand the formation of the Modern international relations. Students can understand the major internation orders from the WNI to WWII. 8th International relations in Modern times #3 Students can understand the major internation orders from the WNI to WWII. Students can understand the major internation orders from the Cold War. Students can understand the major internation orders during the Cold War. Students can understand the transformation of the Students can understand the major internation orders during the Cold War.	Charact	eristics	of Class /	Divi	sion in Le	arning				
Theme Goals Students can understand the course contents goal. 2nd Main theme of the international relations / Characteristics of international society 3rd Quarter Theory of international relations #1 Theory of international relations #2 6th International relations in Modern times #1 International relations. Theme Goals Students can understand the course contents goal. Students can understand the main theme of international relations and the characteristics of international relations are understand major actors of international relations. Students can understand the the Realist Theory of international relations #2 Students can understand the the Liberalist Theories of international relations. Students can understand the formation of the Modern international relations. Students can understand the major internation orders from the WWI to WWII. Students can understand the major internation orders from the WWI to WWII. Students can understand the major internation orders during the Cold War. Students can understand the major internation orders during the Cold War. Students can understand the major internation orders during the Cold War. Students can understand the transfomation of the WWI to WWII. Students can understand the transfomation of the WWI to WWII. Students can understand the transfomation of the WWI to WWII.	☑ Active	Learning			Aided by IC	Т	☑ Applicable to	o Rem	note Class	☐ Instructor Professionally Experienced
Theme Goals Students can understand the course contents goal. 2nd Main theme of the international relations / Characteristics of international society 3rd Quarter Theory of international relations #1 Theory of international relations #2 6th International relations in Modern times #1 International relations. Theme Goals Students can understand the course contents goal. Students can understand the main theme of international relations and the characteristics of international relations are understand major actors of international relations. Students can understand the the Realist Theory of international relations #2 Students can understand the the Liberalist Theories of international relations. Students can understand the formation of the Modern international relations. Students can understand the major internation orders from the WWI to WWII. Students can understand the major internation orders from the WWI to WWII. Students can understand the major internation orders during the Cold War. Students can understand the major internation orders during the Cold War. Students can understand the major internation orders during the Cold War. Students can understand the transfomation of the WWI to WWII. Students can understand the transfomation of the WWI to WWII. Students can understand the transfomation of the WWI to WWII.	Course	Dlas								
Students can understand the course contents goal. Students can understand the main theme of international relations and the characteristics of international relations society	course	riaN 		Thom	ΙΔ		1	Goala	,	
2nd Main theme of the international relations / Characteristics of international society 3rd Quarter 2nd Semester 3rd Quarter Theory of international relations #1 5th Theory of international relations #2 6th International relations in Modern times #1 7th International relations in Modern times #2 8th International relations in Modern times #3 4th Oth International relations in Modern times #4 4th Oth International relations in Modern times #4 5tudents can understand the the Liberalist Theories of international relations. Students can understand the the Liberalist Theories of international relations. Students can understand the formation of the Modern international relations. Students can understand the major internation orders from the WWI to WWII. Students can understand the major internation orders during the Cold War. Students can understand the major internation orders during the Cold War. Students can understand the major internation orders during the Cold War.						 1		Stude		nderstand the course contents and
3rd Major actors of international relations Students can understand major actors of international relations 4th Theory of international relations #1 5th Theory of international relations #2 5th Theory of international relations #2 6th International relations in Modern times #1 7th International relations in Modern times #2 8th International relations in Modern times #3 4th Oth International relations in Modern times #3 Students can understand the formation of the Modern international relations. Students can understand the major internation orders from the WWI to WWII. Students can understand the major internation orders from the WWI to WWII. Students can understand the major internation orders during the Cold War. Students can understand the major internation orders during the Cold War. Students can understand the major internation orders during the Cold War. Students can understand the major internation orders during the Cold War.							otv '	Stude	national re	lations and the characteristics of
2nd Semeste r 4th Theory of international relations #1 Students can understand the the Realist Theory of international relations. 5th Theory of international relations #2 Students can understand the the Liberalist Theories of international relations. 6th International relations in Modern times #1 Students can understand the formation of the Modern international relations. 7th International relations in Modern times #2 Students can understand the major internation orders from the WWI to WWII. 8th International relations in Modern times #3 Students can understand the major internation orders during the Cold War. 4th Oth International relations in Modern times #4 Students can understand the transfomation of			3rd	Major	actors of in	ternational relatio		Stude	ents can ui	nderstand major actors of
Semeste r Sth Theory of international relations #2 Students can understand the Liberalist Theories of international relations. Students can understand the formation of the Modern international relations. Students can understand the formation of the Modern international relations. Students can understand the major internation orders from the WWI to WWII. Students can understand the major internation orders from the WWI to WWII. Students can understand the major internation orders during the Cold War. Students can understand the major internation orders during the Cold War. Students can understand the major internation orders during the Cold War. Students can understand the transfomation of	ا الله		4th	Theor	y of interna	tional relations #:	1	Stude	ents can ui	nderstand the the Realist Theories
6th International relations in Modern times #1 Students can understand the formation of the Modern international relations. 7th International relations in Modern times #2 Students can understand the major internation orders from the WWI to WWII. 8th International relations in Modern times #3 Students can understand the major internation orders during the Cold War. 4th Oth International relations in Modern times #4 Students can understand the transfomation of		Quarter	5th	Theor	y of interna	tional relations #2	2	Stude	ents can ui	nderstand the the Liberalist
7th International relations in Modern times #2 Students can understand the major internation orders from the WWI to WWII. 8th International relations in Modern times #3 Students can understand the major internation orders during the Cold War. 4th Othe International relations in Modern times #4 Students can understand the transformation of			6th	Interr	national rela	tions in Modern ti	mes #1	Stude	ents can u	nderstand the formation of the
8th International relations in Modern times #3 Students can understand the major internation orders during the Cold War. 4th Oth International relations in Modern times #4 Students can understand the transformation of			7th	Interr	national rela	tions in Modern ti	mes #2	Stude	ents can ui	nderstand the major international
4th Oth International relations in Modern times #4 Students can understand the transformation of			8th	Interr	national rela	tions in Modern ti	mes #3	Stude	ents can ui	nderstand the major international
Ouarter 9th International relations in Modern times #4 international order after the Cold War.			9th	Interr	national rela	tions in Modern ti	mes #4	Students can understand the transfomation of th		

		1 044-	Clabaliastias and			Students can und	derstand the con	cept of	
		10th	Globalization and	states #1		globalization and	its influence on	states.	
		11th	Globalization and	states #2		Students can understand the power of states under the globalized international society.			
		12th	Analysis of the int Asian Region incl				lect data related ast Asian Region	the international including Japan	
	13th Analysis of the international relations in the East Asian Region including Japan Sea rim #2						e a presentation international rel luding Japan Sea	and have ations in the East rim.	
				ernational relational sea		Students can giv discussion of the Asian Region inc		and have ations in the East rim.	
		15th	Analysis of the int Asian Region incl	ernational relational sea	ons in the East rim #4	Students can give a presentation and have discussion of the international relations in the East Asian Region including Japan Sea rim.			
		16th	Conclusion and ev	/aluation					
Evaluati	on M	ethod and \	Weight (%)						
		Examination	Presentation	homework	Behavior	Portfolio	Paper	Total	
Subtotal		0	15	15	0	0	70	100	
Basic Abili	ity	0	0	0	0	0	0	0	
Technical Ability 0		15	15	0	0	70	100		
Interdiscip y Ability	Interdisciplinar 0		0	0	0	0	0	0	

T	oyama C	College	Year	2021		Course Title	Biological Information Engineering
Course	Informa	tion					
Course C		0042			Course Category		ed / Elective
Class For	mat	Lecture	Information Cust		Credits		c Credit: 2
Departme	ent	Course	Information Syste	ems Engineering	Student Grade	Adv. 2nd	
Term		First Sen	nester		Classes per Wee	ek 2	
Textbook Teaching	and/or Materials						
Instructo		Tsukada	Akira				
Course	Objectiv	es es					
 Descri Perfori 	be the fou m quantita	ndations of Itive measu	tudents should b electroencephalc rement of electro I digital signal pr	e able to: ography. oencephalography ocessing and appl	by their own designs some filters to the	gn and implement	ent system.
Rubric							
			Ideal Level of (Very Good)	Achievement	Standard Level (Good)		Achievement (Fail)
Evaluation 1			Be able to des electroenceph detail.		Be able to descr foundations of electroencephalo		Be not able to describe the foundations of electroencephalography.
Evaluation 2			measurement	alography by their	Be able to performeasurement of electroencephalo	f	Be not able to perform quantitative measurement of electroencephalography
Evaluation 3			Be able to des signal process some filters to effect.	scribe the digital ing well and apply the wave with	Be able to descr signal processing filter to the way	g and apply a	Be not able to describe the digital signal processing
		tment Ob	ojectives				
ディプロマ JABEE B5	マポリシー	B-5					
	ng Metho	nd					
Outline Style		following retrieval Lectures Design, i Presenta	to design and in and analysis. Ied by both teacimplement and extincts by students	nplement the meather and students xperimentation by	surement devices	;, following to d	electroencephalography(EEG), lata acquisition and finally to
Notice		lwith the	responsibility to	udents having an carry out a team requires 60 points	project.	cal engineering	orogramming. and information system design
Charact	teristics	of Class /	Division in Le	earning			
□ Active	e Learning		☐ Aided by I	СТ	☐ Applicable to	Remote Class	☐ Instructor Professionally Experienced
Course	Plan						
<u> </u>			Theme		0	Goals	
		1st	Guidance		{	1) Bio-Informa 2) Outline of th	tion Engineering ne subject
		2nd	About electroend	cephalographs(EEC		Study of electro neasurement s	encephalography(EEG) and its ystem
		3rd					ent developments in applying EEG
	1st	4th	Measurement of	EEG			nentation amplifier
	Quarter	5th				Study of analog	
		6th	Data aquisition				-to-digital converter
1st		7th			f	ilter, FFT and c	signal processing, suach as FIR coherent averaging
Semeste r			Course Project - measurement sy	Implementation o	of EEG F	Plan and discus neasurement s	s the development of the ystem with teamwork
		9th			V	work with respo	
	2nd	10th			v	work with respo	/
	2nd	11th			lι	Understand an individual role in the team and work with responsibility	
	Quarter	1101			ν		
	Quarter		Measurement of	EEG	\ <u>v</u>		onsibility f EEG or investigation of failure

		14th	Results	s briefing			Presentation and discussion			
		15th	Final e	xam			Final exam			
		16th	Summ	ary			Summarize t	the study content a	and confirm grades	
Evaluati	Evaluation Method and Weight (%)									
	Experimental				Portf	olio	Other	Total		
Subtotal		40		60	0	0		0	100	
Basic Abili	ity	10		0	0	0		0	10	
Technical	Ability	30 50		50	0	0	•	0	80	
Interdiscip Ability	olinary	o 10			0	0		0	10	

					Course							
Toyama College		Year 2021		Title		Network	System					
Course Information												
Course Code	0043			' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' 		lized / Elective	·					
Class Format	Lecture			Credits Academic (mic Credit: 2	Credit: 2					
Department	Course	<u> </u>	ms Engineering	Student Grade Adv. 2nd		nd						
Term First Semester			Classes per Wee		2							
Textbook and/or Teaching Materials	CISCO CCENT/CCNA Routing and Swittychng ICND1v3.0(SHOEISHA)											
Instructor Aso Tsukasa												
Course Objectives												
Through this course, (1) The roles of switc (2) Design of IP addr (3) Establishing a net 本講義を通じて、次のび (1) TCP/IPアーキテク (2)サブネットを含むIP (3)スイッチを用いてVI	hing devices essing with t working in a 頁目を理解する チャに対応付 ネットワーク	s on TCP/IP arc the subnet in an virtual LAN en ることを目標とし けて,ネットワ- のIPアドレスの	hitecture n IP network vironment with sv ルます。 - ク構成に必要な中 計算ができる。	witching technolog	ies できる。							
Rubric												
		Ideal Level of Achievement (Very Good)		Standard Level of Achievement (Good)			Unacceptable Level of Achievement (Fail)					
Evaluation 1		Clearly understands TCP/IP architecture and the overview of protocols, and displays the ability to explain the role of each protocol in detail. TCP/IP階層とプロトコルの全体像, 並びに個々のプロトコルの役割について詳細を説明できる。		Ability to explain the overview and concept of TCP/IP architecture and the roles of protocols. TCP/IPの各階層とプロトコルについての全体像と概念, および役割について説明できる。		Unable to architectu TCP/IPの	Unable to explain the TCP/IP architecture and protocols. TCP/IPの各階層とプロトコルを説明できない。					
Evaluation 2		Clearly underst network device networking, an ability to make addressing and the network. IPネットワークは	ands the s in IP d displays the a plan for IP	Ability to explain the network devices of IP networking in general. Can carry out calculations to assign IP address in the IP network. IPネットワークを構成する中継機器について説明でき、IPアドレスの計算を行える。		Unable to ress and IP ad IPネットワ 機 スについて	Unable to explain IP networking and IP addressing. IPネットワークの構成やIPアドレスについて説明できない。					
Evaluation 3		Clearly understands virtual LAN networking and displays the ability to configure virtual LAN networks on switches. VLANの概念を理解しており、スイッチを用いて、VLANを含むネットワーク設定ができる。		Ability to explain LAN networks without virtual LANs. Can carry out configurations of LANs on switches without virtual LANs. VLANを含まないネットワーク構成について説明でき、スイッチを用いて、VLANを含まないLANを構成することができる。		rry Unable to fundamer s. configure 構成 LANを構成 用 用いた基本	Unable to carry out the fundamental procedure to configure a LAN using switches. LANを構成するためのスイッチを用いた基本的な手順を実行することができない。					
Evaluation 4		Clearly understands the role of routing devices and displays the ability to propose and configure routing devices used for routing control between LANs. ルータの役割を理解しており、ルータへの適切な経路制御を設計して設定することができる。		Ability to configure the routing control of routing devices according to the given specifications. ルータに指定された経路制御を設定することができる。		fundamer configurir ルータへの	Unable to carry out the fundamental procedure for configuring routing devices. ルータへの経路制御設定を行うことができない。					
Assigned Departr	nent Obje	ctives										
ディプロマポリシー B- JABEE B5	5											
Teaching Method												
Networking is one of the foundational technologies in system development. In this course, you will learn about the principles and fundamental techniques required for designing and implementing network systems. This course consists of lectures and practices that are organized to facilitate the learning of practical methods of networking with layer 2 and layer 3 switches. ネットワークはシステム開発において欠くことことのできない技術である。本講義では、ネットワーク横築に必要な知識と通信制御のための技術について学ぶ。座学と演習の両面で、スイッチやルータを用いたネットワーク設計と構築の手順を踏まえながら実践的な知識を深める。												
Style	(1)For the purpose of understanding the procedure of designing networks, lectures and exercises faciliate the learning of practical methods of configurations. (2)For the purpose of learning practical methods of networking, students are required to build networks according to the specification of assigned network configurations. (1)構築過程を明確に意識させるために、設計を座学として行い、その実装を演習として行う。 (2)課題を設定して、その実現に取り組み、ネットワーク設定と実践的なネットワーク構築を行う。											
Notice												
Characteristics of Class / Division in Learning												
☐ Active Learning		☐ Aided by ICT		☐ Applicable to Remote Class			☐ Instructor Professionally Experienced					
Course Plan												
	Th	eme		Go	oals							

1st Semeste r		1st	Guidance ガイダンス	 Guidance ガイダンス			Guidance: Discuss the goals and structure of this course. 講義の目的と進め方について理解する。			
	1st Quarter	2nd	Networking fundamentals -1- ネットワーク構築基礎-1			Introduce TCP/IP networking and IP addressing. TCP/IP階層の概要とIPアドレスについて説明できる。				
		3rd	Networking fundamentals -2- ネットワーク構築基礎-2			Learn the role of the MAC address in Ethernet LAN, data packet structures and concepts of VLAN. イーサネットLANにおけるMACアドレスの役割およびデータパケットの構成とVLANの概念について説明できる。				
		4th	Networking fundamentals -3- ネットワーク構築基礎-3			Learn about designing and implementing route information on the network. ネットワークでの経路情報の設計とその実装方法について説明できる。				
		5th	Exercise in fundamental networking -1- ネットワーク構築演習-1			Perform exercise to apply current knowledge for designing LANs without VLAN. ここまでの内容を応用して、VLANを含まないLANを設計することができる。				
		6th	Exercise in fundamental networking -2- ネットワーク構築演習-2			Perform exercise to apply current knowledge for designing VLANs. ここまでの内容を応用して、VLANを構築を構築することができる。				
		7th	Review of fundamental networking 学習内容の確認			Midterm examination to assess current ability. ここまでの内容について確認試験により確認する。				
		8th	Technology trends in networking and applications. ネットワークの技術動向			Introduction to the trends in networking and application technology. 最近のネットワーク応用技術について概要を説明することができる。				
	2nd Quarter	9th	Practical applications of networks -1- ネットワーク構築実習-1			Practical training in setting methods required for LAN configurations using switches (1). スイッチを用いてLAN構成に必要な設定方法に沿って、ネットワーク構築ができる。				
		10th	Practical applications of networks -2- ネットワーク構築実習-2			Practical training for LAN and switches (2). スイッチを用いてLAN構成に必要な設定方法に沿って , 課題実習の仕様に応じた設定を行うことができる。				
		11th	Summary of the practical applications of networks (1,2) ネットワーク構築演習1,2のまとめ			Confirm exercise contents, write reports and check (1,2). 演習内容を確認し、報告書の作成通じて定着を図る。				
		12th	Practical applications of networks -3- ネットワーク構築実習-3			Practical exercise in setting-up networking equipment (3). ネットワーク機器の設定方法の実習を行い,実践的な課題の仕様に沿ったネットワークを構築できる。				
		13th	Practical applicati ネットワーク構築す	ons of networks {習-4	-4-	Practical exercise on building and setting a LAN network (4). ネットワーク機器の設定によりLANを構築する実習課題を通じて,実践的な設定内容を提案して設定することができる。				
		14th	Summary of the p (3,4) ネットワーク構築乳	Summary of the practical applications of networks (3,4) ネットワーク構築実習3,4のまとめ						
		15th	Final exam. 期末試験	Final exam.			Final examination. 学習内容に関する試験を行う.			
		16th		Summary 講義のまとめ・成績評価・確認			Summarize the study content and confirm grades. 学習内容の要約を行う。成績確認を行う。			
Evaluati	on Met	hod and	Weight (%)							
Examination		Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total			
Subtotal 80		0	20	0	0	0	0	100		
Basic Ability 4		0	10	0	0	0	0	50		
Technical Ability		0	10	0	0	0	0	50		
Interdisciplinar y Ability			0	0	0	0	0	0		