	Control Information Systems Engineering Course	Year	2020
Department Goals			

Control Information Systems EngineeringProgram develops professional engineerswho acquire technologies for software, electricity / electronics and networksand who can design a system in whichthey are cooperatively coupled.

	urs					Class	Hours pe	er Week	(]	Divisio
e Ca	ui 5	Course Title	Cours e	Credit	Credit	Adv.	1st Y			Adv. 2	2nd Y			Instru	n in
ory	eg		Code	Туре	S	1st		2nd		1st		2nd	-	ctor	Learni ng
						1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q		
Ge	Co m			Acade					_					Moana	
ne	pu	Advanced English Practicum I	0007	mic	2	2] nu Charlt	
ral	lso ry			Credit										on	
	Co													Maana	
Ge	m	Advanced English Practicum II	0008	Acade mic	2			2						Moana nu	
ral	pu Iso	Practicum II	0008	Credit	2			2						Charlt	
	ry														
Ge	El ec	Advanced English		Acade										Nishih ara	
ne ral	tiv	Workshop	0009	mic Credit	2	2								Masah	
	е													iro	
Sp eci	El	Shock Comprossion		Acade				1	-	-		_	-	Homa	
ali	ec tiv	Shock Compression and Blast Wave	0001	mic Credit	2	2] e Tomot	
ze d	е			Credit										aka	
														Shina	
														Toru,A kiguch	
														i	
														Shuns uke,M	
														latoba	
														Ryuich i,Ogu	
														ma Hirosh	
Gn	6													i,Tsuk	
eci	Co m pu	Thesis Deserved I	0000	Acade				1		1		-		ada Akira,I	
ali ze	pu Iso	Thesis Research I	0002	mic Credit	2	2								lto	
d	ry													Nao,M izumot	
														0	
														Iwao, Aso	
														Tsuka	
														sa,Yos hii	
														Yotsu mi,Fur	
														uyama Shoich	
														Shoich	
														Shina	
														Toru.A	
														kiguch i	
														Shuns uke,M	
														atoba	
														Ryuich i,Ogu	
														ma	
_														Hirosh i,Tsuk	
Sp eci ali	Co m			Acade										ada	
ali	pu	Thesis Research I	0003	mic	2			2						Akira,I	
ze d	lso ry			Credit										Nao,M	
	´													izumot o	
														Iwao, Aso	
														Tsuka	
														sa,Yos hii	
														Yotsu	
														mi,Fur	
														uyama Shoich	
	I		L	I										1	

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 E pu so Fy	Technical English	0010	Acade mic Credit	2	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	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	Co m pu Iso ry	Advanced Applied Mathematics	0018	Acade mic Credit	2	2	Sakur ai Hideto
Sp eci ali ze d	Co	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

Sp eci ali ze d	오 E 크 8 오	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
Sp eci ali ze d	Co m pu Iso 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 eci ali ze d	오 E 크 S C	Advanced Seminars and Exercises	0023	Acade mic Credit	2	2	Shina 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 puo ry	Advanced Seminars and Exercises	0024	Acade mic Credit	2	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	0025	Acade mic Credit	3	3	Furuy ama Shoich i,Hseg awa Hirosh i,Kyod en Tomo aki Yoshii
Sp eci ali ze d	El ec tiv e	Internship A	0026	Acade mic Credit	2	2	Yotsu mi,Hs egawa Hirosh i
Ge ne ral	El ec tiv e	Japanese Language and Literature	0036	Acade mic Credit	2		Kondo Shugo
Ge ne ral	El ec tiv e	Regional Studies	0038	Acade mic Credit	2	2	Yokota Kazuhi ro
Ge ne ral	El ec tiv e	Health Science	0039	Acade mic Credit	2	2	Ohashi Chisat o
Ge ne ral	El ec tiv e	Industrial Society	0040	Acade mic Credit	2		Hsega wa Hirosh i
Ge ne ral	El ec tiv e	Culture Studies of Japan Sea Rim Countries	0041	Acade mic Credit	2		Miyaza ki Izumi
Sp eci ali ze d	Co m pu Iso ry	Engineering Ethics/Business Ethics	0028	Acade mic Credit	2	2	Yokota Kazuhi ro,Tsu kada Akira, Matsu bara Yoshih iro
Sp eci ali ze d	El ec tiv e	Parameter Design	0029	Acade mic Credit	2	2	Mizuta ni Junno suke
Sp eci ali ze d	El ec tiv e	Manufacturing System	0030	Acade mic Credit	2	2	Yama moto Keiichi ro
Sp eci ali ze d	El ec tiv e	Introduction to Geoscience	0031	Acade mic Credit	2	2	Fukud ome Kenich i
Sp eci ali ze d	Со е рыя ry	Thesis Research I	0032	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

Sp eci ali ze d	Co m pu Iso ry	Thesis Research II	0033	Acade mic Credit	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
Sp eci ali ze d	El ec tiv e	Advanced Electromagnetic Waves	0034	Acade mic Credit	2	2	Shina Toru
Sp eci ali ze d	El ec tiv e	Trade Procedure in Port	0035	Acade mic Credit	2	2	Okam oto Katsu nori
Sp eci ali ze d	El ec tiv e	Port Logistics	0037	Acade mic Credit	2	2	Okam oto Katsu nori
Sp eci ali ze d	El ec tiv e	International Relations	0042	Acade mic Credit	2	2	Ebihar a Tsuyo shi
Sp eci ali ze d	El ec tiv e	Biological Information Engineering	0043	Acade mic Credit	2	2	Tsuka da Akira
Sp eci ali ze d	El ec tiv e	Network System	0044	Acade mic Credit	2	2	Aso Tsuka sa

Тс	oyama C	ollege	Year	2020		Course Title	Advanced English Practicum I
Course	Information	tiọn			1		
Course Co	ode	0007			Course Categor	y General	/ Compulsory
Class For	mat	Lecture			Credits	Academ	iic Credit: 2
Departme	ent	Course	formation Syste	ms Engineering	Student Grade	Adv. 1s	t
Term		First Sem	ester		Classes per We	ek 2	
5	Materials			し.桐原書店,英語	多読図書(後期)		
Instructor		Moananu	Charlton				
(1) Acqui (2) To im (3) Acqui	prove read re listening	ed, technical ling efficiend	y. nderstand essent	ocations and expre- cial topics in Englis		y to read a bas	ic business report, e-mail, or letter
Rubric			_				
			理想的な到達レー 80%	ベルの目安 (high)	標準的な到達レイ (moderate) 609	ベルの目安 %	未到達レベルの目安 (Fail) <60%
		Vocabulary expression	Student clearly technical vocat the textbook.	comprehends oulary covered in	Student partiall technical vocab the textbook.		
評価項目2	Reading e	efficiency		rly able to read comprehend the	Student is parti efficiently and c material.		
評価項目3	Presentat	ion skills	well-structured	rly able to give a presentation e required tasks.	Student is parti a well-structure including all the	ed presentation	structured presentation
評価項目4	Presentat	ion contents		ontents are well- pertinent to the	Presentation co partially well-or pertinent to the	raanized and	Presentation contents are poorly-organized and not pertinent to the task.
評価項目3	Presentat	ion delivery	Presentation de clearly effective	elivery was e and convincing.	Presentation de partially effective convincing.	elivery was ve and	Presentation delivery was not effective nor convincing.
Assigne	d Depar	tment Ob	ectives				
Teachin	ig Metho	d					
Outline		accuracy (2) Overv Ability to on the TC (3) Teach *This class	for English mate iew listen to the cont DEIC test. Increas the necessary s s will be led by a	rials such as e-ma ent of information se vocabulary and kills to give techn	ails, reports, basi n related to busin add reading cor ical presentation censed in TESOL	ic conversation: ness, through e mprehension. s in English. _ (Teaching End	o improvve hearing and reading s. exercises equivalent to 400 points glish to Speakers of Other
Style		The class and supp	meets once a w ement it with ot	eek for 90-minute	erial. The teache	e lab. The teac	her will use the textbook as a basis various web applications including
Notice		All assign	ments should be		deadline. Make-	up examination	ns due to absence will ONLY be
Course	Plan						
		٦	heme			Goals	
		1st	Guidance/ Teache Hotels and Resta	er self-introduction Jurants" /	I-Quiz / Day I.	sélf introductio	nation. TOEIC pre-test./Teacher n-Kahoot Quiz. Introduction of ffective presentations"/ Day 1
			Day 1 (continued presentations.) / Speaking 1. st	udent		/ Day 1, related speaking,
		3rd [Day 1 (cont.)			Day 1, related exercises	speaking, listening, reading
	1st Quarter	4th	Day 2 "Travel an If Speaking 2. Ne	d Business Trip" / ws Flash presenta	'Introduction ation.	Day 2, related exercises / Pre	speaking, listening, reading p for "NewsFlash" project.
1st Semeste		5th	lews Flash prese ".	ntations. Day 3 "(exercises/ stud	speaking, listening, reading lents 1~5 presentations,
r			•	ntations (cont) , [Suy S (conc.)	exercises / stu	
		Fun F	Routine 2"	ntations (cont.), I	-	exercises. / stu	
			f Days 1~4)	ntations (cont.), I		exercises / stu	
			est 1.	T 0 · ···		Units 1~5 Test	: (Midterm).
	2nd Quarter	10th N	isit the most"	The Country We v			1 Explanation and preparation.
		11th C	Group Project 1 p	resentation		Groups 1~5 pr	esentation / evaluation

		12th	Day 6 "Job op	penings and Recrui	tment.	Day 6, related sp exercises./ Class questions	peaking, liste discussion c	ning, reading of homework			
		13th	Day 7 "Perso	nnel Affairs"		Day 7, related sp exercises./ Class questions	beaking, liste discussion d	ning, reading of homework			
		14th	Day 8 "Confe	rence and Presenta	ation Seminar	Day 8, related sp exercises./ Class questions	peaking, liste discussion o	ning, reading of homework			
		15th	期末試験			Units 6~8	Units 6~8				
		16th	Day 9 "Busine	ess"		Day 9, related sp exercises./ Class questions	Day 9, related speaking, listening, reading exercises./ Class discussion of homework questions				
Evaluati	on M	ethod and	Weight (%)								
		試験	発表	相互評価	態度	ポートフォリオ	その他	Total			
Subtotal		70	20	0	0	0	10	100			
基礎的能力)	70	20	0	0	0	10	100			
専門的能力	J	0	0	0	0	0	0	0			
分野横断的]能力	0	0	0	0	0	0	0			

Toyama College Course Information Course Code 0008 Class Format Lectur		ollege	Year	2020		Course Title	Advanced English Practicum II
Course	Informat	tion					
		0008			Course Catego		/ Compulsory
Class Forr	mat	Lecture	· ·· -	_ · ·	Credits	Academ	ic Credit: 2
Departme	ent	Course	nformation Syste	ms Engineering	Student Grade	Adv. 1s	t
Term		Second S	emester		Classes per We	ek 2	
Textbook Teaching	and/or Materials	TOEIC Lis	stening and Read	ing, 書き込みドリル	レ. 桐原書店.		
Instructor	r	Moananu	Charlton				
(1) Acquii (2) To im (3) Acquii	prove read re listening	ed, technica ling efficien	cy. nderstand essent	ocations and expr		y to read a bas	ic business report, e-mail, or lette
Rubric			1		1		
			理想的な到達レー 80%	ベルの目安 (high)	標準的な到達レ/ (moderate) 60		未到達レベルの目安 (Fail) <60%
		Vocabulary expression		comprehends oulary covered in	Student partial technical vocat the textbook.	ly comprehends bulary covered i	Student is unable to comprehend technical vocabulary covered in the textbook.
評価項目2	Reading e	efficiency		rly able to read comprehend the	Student is part efficiently and material.		
評価項目3	Presentati	ion skills	well-structured	rly able to give a presentation e required tasks.	Student is part a well-structure including all the	ed presentation	structured presentation
評価項目4	Presentat	ion contents		ontents are well- pertinent to the	Presentation co partially well-on pertinent to the	rganized and	Presentation contents are poorly-organized and not pertinent to the task.
評価項目3	Presentati	ion delivery	Presentation de clearly effective	elivery was e and convincing.	Presentation delivery was partially effective and convincing.		Presentation delivery was not effective nor convincing.
Assigne	d Depar	tment Ob	jectives				
Teachin	g Metho	d					
Outline		accuracy (2) Oven Ability to on the TO (3) Teach *This cla Language The class and supp	for English mate view listen to the cont DEIC test. Increas the necessary s ss will be led by a se) as well as in 1 meets once a w lement it with ot	rials such as e-ma tent of information se vocabulary and kills to give techn a teacher who is li "EFL (Teaching Er	ails, reports, bas n related to busi add reading co ical presentation censed in TESO glish as a Foreic s in the languag erial. The teache	ic conversation ness, through e nprehension. s in English. (Teaching Eng n Language).	o improvve hearing and reading s. exercises equivalent to 400 points glish to Speakers of Other her will use the textbook as a basis e various web applications including
Notice		All assigr	ments should be	submitted by the	deadline. Make	-up examinatio	ns due to absence will ONLY be
		given wit	h a doctor's note	or an "excused" a	absence.		
Course	Plan	-	-				
			Theme	Days 6~9) / Spea	king 4 Pair	Goals	d speaking, listening, reading
		150	nterview.		_	exercises / Spe	a speaking, listening, reading eaking 4.To be announced. d speaking, listening, reading
			•	ements" / Speakir	<u> </u>	exercises. Spe	d speaking, listening, reading aking 4, preparation. d speaking, listening, reading
		Siu 2	1, Pair interviews			exercises / pai	d speaking, listening, reading
	3rd Quarter			ions and Contract		exercises	d speaking, listening, reading
2nd			, ,	Accounting, Com	pensation"	exercises	d speaking, listening, reading
Semeste		6th I	Day 15 "Days 11 [,]	~14 Review"		exercises	a speaking, iscening, reduing
ſ			Test 3.			Days 11~15 te	
		8th	Christmas movie. eport"	Writing 1. "Writing	ng a movie	report"	vie. Writing 1. "Writing a movie
		9th I	Day 16 "Sales and	d Marketing"		Day 16, relate exercises,	d speaking, listening, reading
	4th	10th I	Day 17 "Manufact	ture and Production	on"	Day 17, relate exercises,	d speaking, listening, reading
	Quarter		Speaking 5, "Our				planation and preparation
			Speaking 5 (cont.				ont.) Presentations
		13th I	Day 18 "Merchan	dise"		18, related spe	eaking, listening, reading exercises

		14th	Day 19 "Repair, M "Review, Days 16 [,]	aintenance, ~19"	Problems" / Day 20	19, related speak / 20, related speak exercises,	king, listening, re aking, listening, r	ading exercises, eading
		15th	Test 4.			Days 16~20 test		
		16th	results and consoli	idation.		results and conso	olidation.	
Evaluation	n Meth	od and V	Veight (%)					
	試験	¢	発表	相互評価	態度	ポートフォリオ	その他	Total
Subtotal	70		20	0	0	0	10	100
基礎的能力	70		20	0	0	0	10	100
専門的能力	0		0	0	0	0	0	0
分野横断的能力	カ 0		0	0	0	0	0	0

Тс	oyama C	College	Year	2020		Course Title	Advanced English Workshop		
Course	Informa	tion							
Course Co	ode	0009			Course Catego	ry Genera	al / Elective		
Class For	mat	Lecture			Credits	Acader	mic Credit: 2		
Departme	ent	Course	,	ms Engineering	Student Grade	Adv. 1	st		
Term	.,	First Seme	ster		Classes per We	eek 2			
Textbook Teaching	Materials	Nishihara N	Azazhira						
Instructor			Masarin 0						
1. To lear 2. To syn 3. To mae	thesize all ster the ba	by the rules of knowlegde le asic rules on a	cademic writing	to learn to use it i , including punctu	Jation.		ve way. t in which writing is taking place.		
Rubric									
			Ideal Level of A (Very Good)	Achievement	Standard Level (Good)	of Achieveme	nt Unacceptable Level of Achievement (Fail)		
Evaluatio	n 1		Accurately und grammatical ki create accurate expressing idea	e sentences	Understand and grammatical kr create sentence ideas.	nowlegde to	Inaccurate gramatical understanding and use of it, not intelligible enough in production		
Evaluatio	n 2		using accurate conjunctions	ntation in writing punctuation and	Awareness for accurate use of conjunctions	f punctuation a	attention to them		
Evaluatio	-		accurate select	ess ideas with the ion between ormal usage.	Awareness for between forma usage in writing	I and informal	ster Insufficient attention to social register between formal and informal usage in writing		
Assigne	ed Depar	tment Obje	ectives						
Teachin	ng Metho	od							
Outline		create accu such functi	urate academic onal aspects of	writing, including	abstracts and so ical items as ver	cientific papers b tenses, coni	ne area of writing, in order to help s. Students are expected to master unctions, the articles, prepositions,		
Style							uestions in the textbook, and between students.		
Notice		every weel	<. Students other	be fully prepared for er than Internation gister in this cours	nal Bisiness are	completed 7-8 required to ha	3 pages of homework assignments we a score of higher than 400 on the		
Course	Plan								
		Tł	neme			Goals			
		1st 'sł	nould', 'ought to	o', 'must'		A clear distinction of the meaning between modal auxiliries and accurate use of them context			
		2nd 'm	ust', 'don't hav	e to' vs 'mustn't',	'may'		tion of the meaning between the es and accurate use of them in		
			combination of iust', 'can'	'have to' and 'ma	y', 'should', or	A clear disting modal auxiliri context	tion of the meaning between the es and accurate use of them in		
	1st	4th 'co	ould have', Sum	mary (1), 'need'	vs 'dare'	A clear disting modal auxiliri context	tion of the meaning between the es and accurate use of them in		
	Quarter	5th 'w	ad better (best) ould sooner', 'b vt to'	', 'would like', 'wo e supposed to', 'h	ould rather', have got', 'have	A clear disting modal auxiliri context	ction of the meaning between the es and accurate use of them in		
1st Semeste r		6th Su	Immary (2), Fu Nould' in a cond	ture-possible real itional clause	conditionals,	A clear under possible cond construction i	standing of the meaning of future- itionals and its accurate grammatica n context		
		7th Pr pr	esent-real cond esent condition	litionals, 'If' as a '\ als, unreal-past co	when', Unreal- onditionals	present / pas	standing of the meaning of unreal- t conditionals and its accurate construction in context		
		8th Fa 'w	cts and habitua ould', 'as if', 'as	lity in the past, 'u s though'	ised to',	A clear under 'habituality' ir in context	standing of the meaning of the past and its accurate selection		
		9th Si	mple infinitives,	perfect infinitives	5	meaning betw	standing of the difference in veen simple and perfect infinitives ate selection in context		
	2nd Quarter	10th Ge	erunds as a sub	ject, idioms using	'go',	alternative as			
		11th Ge	erunds as an ob	ject of a verb (1)		as an object	rammatical construction of gerunds		
		12th Ge	erunds as an ob	ject of a verb (2)		An accurate g as an object	rammatical construction of gerunds		

	13th	Gerunds as an ob	ject of a prepost	tion	An accurate g as a preposition		struction of gerunds		
	14th	Perfect gerunds			A clear unders of perfect and grammatical of	A clear understanding of the difference in the use of perfect and simple gerunds and its accurate grammatical construction in context			
	15th	Final examination	S		Review all tha	t have been co	vered in class		
	16th	Reflection, Questi	onnaire						
Evaluation M	lethod and	Weight (%)							
	Examination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total		
Subtotal	100	0	0	0	100	0	200		
Basic Ability	0	0	0	0	0	0	0		
Technical Ability	100	0	0	0	100	0	200		
Interdisciplinar y Ability	0	0	0	0	0	0	0		

Тс	oyama C	College	Year	ear 2020		Course Title	Shock Compression and Blast Wave	
Course	Informa	tion						
Course Co		0001			Course Categor	· · ·	zed / Elective	
Class Forr	mat	Lecture	·		Credits	Academ	ic Credit: 2	
Departme	ent	Course		ms Engineering	Student Grade	Adv. 1st	t	
Term	and/an	First Seme	ster		Classes per We	ek 2		
Textbook Teaching	Materials	Materials v	vill be prepared	by the instructor.				
Instructor		Homae To	motaka					
1. Reexplaid of impact 2. Fundar pressure. 3. Unders	paramete mental the standing of	act phenome rs. ory, analysis f effect around	and application d explosion of h	for shock compre	ssion of solids. C ials, such as high	Calculation of re	f view of shock physics. Calculation equired parameters, such as shock Id mitigation of damages by the	
Rubric		•	· ,					
			Ideal Level of A (Very Good)	Achievement	Standard Level (Good)	of Achievemen	t Unacceptable Level of Achievement (Fail)	
Evaluation	n 1			enomena clearly culated results	Can explain pho obtain calculate	enomena and ed results.	Can not explain phenomena and can not obtain calculated results.	
Evaluation	n 2		· · · ·	enomena clearly culated results	Can explain phenomena and obtain calculated results.		Can not explain phenomena and can not obtain calculated results.	
Evaluation 3			,	enomena clearly culated results	Can explain pho obtain calculate	enomena and ed results.	Can not explain phenomena and can not obtain calculated results.	
Assigne	d Depar	tment Obje	ectives					
Teachin	ig Metho	d						
Outline Style		by hyperve energy ma most of the The class of Students a	classes. Then, fundamental theory, analysis and application for shock compression of solids, induce elocity impact, will be introduced. In latter part of this course, effect around explosion of high iterials, such as high explosives, and mitigation of damages by the explosion will be discussed. As e materials are written in English, students can empirically learn how to read English materials. consists of lecture, reading English materials, teaching each other, and solving exercises etc. ire required to work on home work every week.					
Notice		A knowled [制御] B4 The recogr	ge of college-le ,[JABEE基準1 hition of credit r	vel physics is a pr (2)] d(3) equires 60 points	erequisite for thi or more rating.	s lecture.		
Course	Plan							
		Tł	neme			Goals		
			rientation Indamental imp	act phenomena I		learning metho	of course structure, evaluation, d.	
		2nd Fu	indamental imp	act phenomena II	r	Understanding of elastic and non-elastic collis Understanding of strain energy and shock stre		
				act phenomena II		Understanding of other issues related		
		4th St	nock compressio	on of solids by pyp	pervelcoty	fundamental impact phenomena. Understanding of shock compression of solids b pypervelcoty impact.		
	1st Quarter	Eth OI		analysis of shock	compressed	Understanding of one dimensional analysis of shock compressed solids using conservation la		
			ne dimensional blids II	analysis of shock	compressed	of mass, momentum, and energy. Application of theory, learned in 5th week, to realistic problem.		
1st Semeste			ugoniot compre	ssion curve		Understanding	of relation between density and ock compressed solids.	
I		8th In	npedance match	ning method		Analysis of sho compression cu method.	cked state by Hugoniot urve and impedance matching	
		9th Ty	pical experime pression and	ntal method of sho its results	ock	Understanding shock compres	of typical experimental method of sion and its results.	
				e of explosives			of Explosion and type of	
	2nd Quarter		fect of blast wa	ves and fragment	s around	Understanding waves and frac	of effect and damage of blast gments around explosion.	
			kperimental met fect	thod for evaluation	n of blast-wave	waves and fragments around explosion. Understanding of experimental method for evaluation of blast-wave effect.		
		-				evaluation of blast-wave effect. Understanding of mitigation method for blast waves and damages.		

		14th	Experimental method for evaluation	n of fragments	Understanding of experimental method for evaluation of high velocity fragments.		
		15th	Final examination		Final examination.		
		16th	eview of final examination Review of final ex			amination.	
Evaluation Method and Weight (%)							
			Examination	Homework		Total	
Subtotal	Subtotal		50	50		100	
Basic Abil	Basic Ability		0	0		0	
Technical	Ability		50	50		100	

Тс	oyama C	ollege	Year	2020		Course Title	Thesis Research I
Course	Informat	tion					
Course Co	ode	0002			Course Categor	y Specia	ized / Compulsory
Class For	mat		nt / Practical trai		Credits	Acader	nic Credit: 2
Departme	ent	Course	formation Syste	ms Engineering	Student Grade	Adv. 1	st
<u>Term</u> Textbook	and/an	First Sem	ester		Classes per We	ek 2	
	Materials						
Instructor	r	Shina Tor Tsukasa,	u,Akiguchi Shun (oshii Yotsumi,Fu	suke,Matoba Ryui uruyama Shoichi	chi,Oguma Hiros	hi,Tsukada Ak	ira,Ito Nao,Mizumoto Iwao,Aso
Course	Objectiv	es					
 Studen backgroui Studen 	nts can sug nd. nts can solv	gest, design /e problems	and construct re	ental and specific	ich as software, h	development. hardware and	network with considering a social
Rubric							
			Ideal Level of A	Achievement	Standard Level	of Achieveme	nt Unacceptable Level of Achievement)
methods,	nds, purpo contents,	oses, results, re tasks are	All elements ar	e included.	Acceptable contents.		Lacks of contents.
(Research Expressio and tabul	on of staten	nent, figures	Acceptable exp	ression.	Almost accepta	ble expressior	Unacceptable and lack of expression.
(Research work 3) The expression of backgrounds and purposes.			Acceptable exp	ression.	Almost accepta	ble expressior	Unacceptable and lack of expression.
(Research work 4) Methodology			Acceptable me	thodologies.	Almost accepta methodologies.	ble	Unacceptable methodologies.
(Research Logical St			Reasonable log	ical structure.	Almost reasona	ble structure.	Not reasonable logical structure
(Research Critical Th	n work 6) hinking		Reasonable dis	cussion.	Almost reasona	ble discussion	. Unacceptable discussion.
(Research results	n work 7) \	/alidity of	Cleared and va expressed.	lid results are	Almost valid res expressed.	sults are	Unacceptable results.
(Research Future wo	n work 8) orks		Valid future pla Clear solutions	an and schedule. are provided.	Acceptable plan	and schedule	e. Unacceptable plan.
(2)Purpos (4) Conte	se (3)Meth		Reasonable str	ucture.	Acceptable structure		Unacceptable structure
(Presenta Suitable e sentences	ation 2) expression s and figure	of es.	Reasonable ser figures.	ntences and	Acceptable sentences and figures.		Unacceptable sentences and figures
(Presenta Logical st			Reasonable log	ical structure	Almost reasonable structure		Not reasonable logical structure
Assigne	d Depart	tment Obj	ectives				
Teachin	ng Metho	d					
Outline		2 years, t method, d increase t necessary will sumn [Control]	Inder the superv evaluation metho the comprehensiv for application, narize and preser	isor, acquire the r od, and nurture re ve research capat application to pro at the research re	method of literatu search promotion pility through inve blem solving, an	ure survey, ex n ability. In lir estigation and alvsis and eva	a through major departments 1 and perimental / theoretical analysis he with each concrete theme, education of required knowledge luation of the results obtained. We hecial Study I.
Style				ct research under Itiple faculty charg		the main dep	uty supervisor advisor.
Notice		One chief contents instructio	examiner and tw of the presentation	on and the status revaluation of 50	ors comprehensiv of activities base	ely evaluated on the eval	or. the content of the thesis, the uation criteria table (total table f 30%, an effort status of 20% ,
Course	Plan						
		1	heme			Goals	
1st		1st S	pecial Research			Determinatior academic adv	n of special research topics and isors
Semeste r	1st Quarter	2nd S	Special Research			research subj	nar, assignment setting, planning,

3rdSpecial Research4thSpecial Research5thSpecial Research6thSpecial Research7thSpecial Research8thSpecial Research9thSpecial Research10thSpecial Research11thSpecial Research12thSpecial Research13thSpecial Research	Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning, implementation, report) Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning, implementation, report) Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning, implementation, report) Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning, implementation, report) Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning, implementation, report) Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning, implementation, report) Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning, implementation, report) Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning, implementation, report) Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning, implementation, report) Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning, implementation, report) Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning, implementation, report)			
Sth Special Research 6th Special Research 7th Special Research 8th Special Research 9th Special Research 10th Special Research 11th Special Research 12th Special Research	Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning, implementation, report) Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning, implementation, report) Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning, implementation, report) Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning, implementation, report) Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning, implementation, report) Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning, implementation, report) Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning, implementation, report) Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning, implementation, report) Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning, implementation, report) Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning, implementation, report)			
6th Special Research 7th Special Research 8th Special Research 9th Special Research 10th Special Research 11th Special Research 2nd Quarter 12th	research subject (Survey, seminar, assignment setting, planning, implementation, report) Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning, implementation, report) Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning, implementation, report) Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning, implementation, report) Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning, implementation, report) Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning, implementation, report) Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning, implementation, report) Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning, implementation, report) Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning, implementation, report)			
7th Special Research 8th Special Research 9th Special Research 10th Special Research 10th Special Research 11th Special Research 2nd Quarter 12th Special Research 12th	research subject (Survey, seminar, assignment setting, planning, implementation, report) Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning, implementation, report) Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning, implementation, report) Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning, implementation, report) Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning, implementation, report) Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning, implementation, report) Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning, implementation, report)			
2nd 2nd 2nd 2nd 2nd 12th Special Research	research subject (Survey, seminar, assignment setting, planning, implementation, report) Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning, implementation, report) Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning, implementation, report) Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning, implementation, report) Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning, implementation, report) Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning,			
9th Special Research 10th Special Research 11th Special Research 2nd 12th Special Research	research subject (Survey, seminar, assignment setting, planning, implementation, report) Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning, implementation, report) Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning, implementation, report) Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning, implementation, report)			
10th Special Research 11th Special Research 2nd 12th Special Research	research subject (Survey, seminar, assignment setting, planning, implementation, report) Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning, implementation, report) Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning,			
2nd 12th Special Research 12th Special Research	research subject (Survey, seminar, assignment setting, planning, implementation, report) Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning,			
2nd Quarter 12th Special Research	research subject (Survey, seminar, assignment setting, planning,			
Quarter 12th Special Research	research subject (Survey, seminar, assignment setting, planning, implementation, report)			
13th Special Research	Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning, implementation, report)			
	Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning, implementation, report)			
14th Special Research	Study in the field of specialization necessary for research subject (Survey, seminar, assignment setting, planning, implementation, report)			
15th Mid term presentation	Review of studies / announcements by chief and sub-investigations			
16th Score checked	<u> </u>			
Evaluation Method and Weight (%)	•			
Chief and sub- investigators	Total			
Subtotal 100 0 0 0	0 0 100			
Research Paper 30 0 0 0				
Presentation 50 0 0 0	0 0 30			
Effort 20 0 0 0	0 0 30 0 0 50			

Тс	oyama C	ollege	Year	2020		Course Title	Thesis Research I	
Course	Informat	tion						
Course Co	ode	0003			Course Categor	y Speciali	zed / Compulsory	
Class Forr	mat		ent / Practical trai	3	Credits	Academ	ic Credit: 2	
Departme	ent	Course	nformation Syste	ms Engineering	Student Grade	Adv. 1s	t	
Term	17	Second S	Semester		Classes per We	Classes per Week 2		
Textbook Teaching								
Instructor	-	Shina To Tsukasa,	ru,Akiguchi Shun Yoshii Yotsumi,Fi	suke,Matoba Ryu uruyama Shoichi	ichi,Oguma Hiros	hi,Tsukada Aki	ra,Ito Nao,Mizumoto Iwao,Aso	
Course	Objectiv	es	·					
 Studen backgroui Studen 	its can sug nd. its can solv	gest, desigi /e problems	n and construct r	ental and specific	ich as software, ł	development. hardware and r	network with considering a social	
Rubric								
			Ideal Level of	Achievement	Standard Level	of Achievemer	t Unacceptable Level of Achievement)	
methods,	nds, purpo contents,	oses, results, re tasks are	All elements ar	e included.	Acceptable cont	tents.	Lacks of contents.	
(Research Expressio and tabul	n of stater	nent, figure	es Acceptable exp	pression.	Almost accepta	ble expression.	Unacceptable and lack of expression.	
(Research The expre and purpo	ession of b	ackgrounds	Acceptable exp	pression.	Almost accepta	ble expression.	Unacceptable and lack of expression.	
(Research Methodolo			Acceptable me	thodologies.	Almost accepta methodologies.	ble	Unacceptable methodologies.	
(Research Logical St			Reasonable log	jical structure.	Almost reasona	ble structure.	Not reasonable logical structure	
(Research Critical Th	n work 6) hinking		Reasonable dis	cussion.	Almost reasona	ble discussion.	Unacceptable discussion.	
(Research results	۱ work 7) ۱	/alidity of	Cleared and va expressed.	lid results are	Almost valid res	sults are	Unacceptable results.	
(Research Future wo				Clear solutions are provided.		and schedule.	Unacceptable plan.	
	, ()	Background	d Reasonable str	Acceptable stru	cture	Unacceptable structure		
	tion 2) expression s and figure		Reasonable sei figures.	ntences and	Acceptable sentences and figures		Unacceptable sentences and figures	
(Presenta Logical st			Reasonable log	jical structure	Almost reasonable structure		Not reasonable logical structure	
Assigne	d Depar	tment Ob	jectives					
Teachin	g Metho	d						
Outline		2 years, method, increase necessar will sum [Control] [JABEE S	under the superv evaluation metho the comprehensi y for application, marize and prese C3 tandard 1 (2)] (f	isor, acquire the bd, and nurture re ve research capal application to pro nt the research re) (g)	method of literatu search promotio pility through inve blem solving, an sults we have we	are survey, exp n ability. In line estigation and e alysis and eval orked on in Spe		
Style		In each l Classifica	aboratory, condu <u>ition method, </u> mu	ct research under Itiple faculty char	the guidance of ge method	the main depu	ty supervisor advisor.	
Notice		To under One chie contents instructio	take subjectively f examiner and ty of the presentati	and systematical wo sub-investigat on and the status r evaluation of 50	ly on issues unde ors comprehensiv of activities base	ely evaluated ed evaluated ed evalu	or. the content of the thesis, the ation criteria table (total table 30%, an effort status of 20% ,	
Course	Plan							
			Theme			Goals		
2nd Semeste	3rd	1st	Special Research			Study in the field of specialization necessary for research subject (Survey, Planning, Implementation, System integration, testing, evaluation, report)		
r	Quarter	2nd	Special Research			research subje (Survey, Plann	eld of specialization necessary for ct ing, Implementation, System sting, evaluation, report)	

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

Toyama College		Year	Year 2020		Course Title	Advanced Con Engineering	nmunication	
Course	Informa	tion			1	Î		
Course C	ode	0004			Course Category	y Specializ	ed / Elective	
Class For	mat	Lecture			Credits	Academi	c Credit: 2	
Departme	ent	Control Ir Course	formation Syste	ms Engineering	Student Grade	Adv. 1st		
Term		First Sem	ester		Classes per Wee	k 2		
Textbook Teaching	and/or Materials	ワイヤレス	、通信工学、オーム	社				
Instructo	r	Oguma H	iroshi					
Course	Objectiv	'es						
Through (1)Link b (2)Funda	this course udget desi mental teo	e, understand gn of wireles chnology for	ling of the follow is access Wireless commu Broadcasting sys	ring will be facilita nication system tem	ated.			
Rubric								
			Ideal Level of A (Very Good)	Achievement	Standard Level o			evel of ail)
Link budget design			Clearly understands the link budget design of wireless access in detail.			ink budget	Unable to expla budget design o access.	in the link
			Clearly understands the			s access.	access.	
Wireless system			technology (mo frequency, MIN cellulor system and wireless P	odulation, 10, etc) of , wireless LAN	Ability to explain and concept of c wireless LAN and	cellulor system, technology of cellulor		ellulor system,
Broadcas	ting syster	n	Clearly understands the technology (modulation, frequency, OFDM, etc) of broadcastiong system in detail.					
Assigne	ed Depar	tment Obj	ectives					
Teachir	ng Metho							
Outline	· _ · · _ · · · · ·	Wireless r	networking is one principles and fu	e of the foundatio undamental techr	nal technologies in iques required for	n IoT. In this c designing and	ourse, you will lea l implementing wir	rn reless network
Style		/	nasters this cour	se through lectur	es and seminar.			
Notice		The recor	nition of credit r	aquiros 60 painta				
-			inclose of creater	equires ou points	or more rating.			
Course	Plan				or more rating.			
Course	Plan		Theme	equires 60 points		Goals		
Course	Plan	T	_			Guidance: Discu	uss the goals and s	structure of this
Course	Plan	T 1st G	heme Guidance	equires 60 points	access	Guidance: Discu course earn the propa equation and O	uss the goals and s agation modeling (kumura-Hata, etc.	free space
Course	Plan	T 1st C 2nd P	heme Guidance Propagation mode	eling for wireless	access	Guidance: Discu course Learn the propa equation and O access	agation modeling (free space)for wireless
Course		T 1st G 2nd P 3rd L	heme Guidance Propagation mode ink budget desig		access Ess L	equation and O course earn the propa equation and O access earn the link b earn the digita	agation modeling (kumura-Hata, etc.	free space)for wireless ireless access
Course	Plan 1st Quarter	T 1st 2nd 3rd 4th	heme Guidance Propagation mode ink budget desig	eling for wireless	access control L access control L access control L access control L control L	Guidance: Disc course equation and O access Learn the link b Learn the link b Learn the digita echnology.	agation modeling (kumura-Hata, etc. udget design of w	free space)for wireless ireless access demodulation
Course	1st	T1st2nd3rd4th5th	heme Guidance Propagation mode ink budget desig Digital modulation	eling for wireless	access e ass L on L fi	Guidance: Discu ourse earn the propa equation and O access earn the link b earn the digita echnology. earn the chant ading.	agation modeling (kumura-Hata, etc. udget design of w il modulation and o nel model with AV	free space)for wireless ireless access demodulation VGN and various
<u>Course</u> 1st Semeste	1st	T1stG2ndP3rdL4thG5thG6thN	heme Guidance Propagation mode ink budget desig Digital modulation Channel fading	eling for wireless	access e ass L on L L ess L c t c c c c c c c c c c c c c c c c c	Guidance: Disc oourse equation and O access earn the prope quation and O access earn the link b earn the digita echnology. earn the chan ading. earn the multi vireless networ earn the sprea	agation modeling (kumura-Hata, etc. udget design of w il modulation and o nel model with AV	free space)for wireless ireless access demodulation VGN and various < technology for ology for
1st	1st	T1stG2ndP3rdL4thC5thC6thN7thS	heme Guidance Propagation mode ink budget desig Digital modulation Channel fading fultiplexing	eling for wireless	access e ass L on L f L u t t L v v	Guidance: Disc ourse equation and O access earn the prope quation and O access earn the link b earn the digita echnology. earn the chan ading. earn the chan ading. earn the multi vireless networ earn the sprea vireless networ earn the OFDN	agation modeling (kumura-Hata, etc. udget design of w il modulation and o nel model with AV plexing and duples k.	free space)for wireless ireless access demodulation VGN and various (technology for ology for satellite system. uency division
1st	1st	T1stG2ndP3rdL4thC5thC6thN7thS8thC	heme Guidance Propagation mode ink budget desig Digital modulation Channel fading fultiplexing Spread spectrum	eling for wireless	access e ass L on L f L c c c c c c c c c c c c c c c c c	Guidance: Disc course equation and O eccess earn the prope quation and O eccess earn the link b earn the digita echnology. earn the chan ading. earn the chan dirg. earn the chan earn the sprea vireless networ earn the Sprea vireless networ earn the OFDN nultiplexing) t	agation modeling (kumura-Hata, etc. udget design of w il modulation and o nel model with AV plexing and duplex k. id spedtrum technick and navigation s	free space)for wireless ireless access demodulation VGN and various < technology for ology for satellite system. Jency division less network.
1st	1st	T 1st 2nd 3rd 4th 5th 6th 7th Sth 0 9th	Theme Guidance Propagation mode ink budget desig Digital modulation Channel fading fultiplexing Spread spectrum	eling for wireless	access e ess L on L ff L con L ff f L v v L t t	Guidance: Disc oourse earn the prope quation and O access earn the link b earn the link b earn the digita echnology. earn the chan ading. earn the chan ading. earn the multi vireless networ earn the sprea vireless networ earn the OFDM nultiplexing) t earn the MIMC	agation modeling (kumura-Hata, etc. udget design of w il modulation and o nel model with AV plexing and duplex k. d spedtrum techno k and navigation s 4(Orthogonal freque echnology for wire 0(Multi Input Multi	free space)for wireless ireless access demodulation VGN and various < technology for ology for satellite system. Jency division less network.
1st	1st	Ist T 1st G 2nd P 3rd L 4th D 5th C 6th N 7th S 8th C 9th N 10th C	Theme Guidance Gropagation mode ink budget desig Digital modulation Channel fading fultiplexing Spread spectrum DFDM 1IMO	eling for wireless	access e access d ess L on L f f L v v L v L t t	earn the propa equation and O access earn the propa equation and O access earn the link b earn the digita echnology. earn the chan ading. earn the chan ading. earn the chan earn the sprea vireless networ earn the Sprea vireless networ earn the OFDN nultiplexing) t earn the MIMC echnology. earn the cellul	agation modeling (kumura-Hata, etc. udget design of w il modulation and o nel model with AV plexing and duplex k. d spedtrum techno k and navigation s 4(Orthogonal freque echnology for wire 0(Multi Input Multi	free space)for wireless ireless access demodulation VGN and various < technology for ology for satellite system. Jency division less network. Output)
1st	1st Quarter 2nd	Ist T 1st G 2nd P 3rd L 4th C 5th C 6th N 7th S 8th C 9th N 10th C	Theme Guidance Guidance Tropagation mode ink budget desig Digital modulation Channel fading fultiplexing Spread spectrum DFDM 11MO Cellulor system	eling for wireless	access e ess L on L L c c c c c c c c c c c c c c c c c c	earn the propa equation and O eccess earn the propa equation and O eccess earn the link b earn the link b earn the digita echnology. earn the chan ading. earn the chan earn the chan earn the sprea vireless networ earn the Sprea earn the Cellul earn the IEEE	agation modeling (kumura-Hata, etc. udget design of w Il modulation and o nel model with AV plexing and duplex k. d spedtrum techno k and navigation s 1(Orthogonal freque echnology for wire D(Multi Input Multi or system.	free space)for wireless ireless access demodulation VGN and various < technology for ology for satellite system. Jency division iless network. Output)
1st	1st Quarter	T 1st 2nd 3rd 4th 5th 6th 7th 58th 0 9th 10th 12th	Theme Guidance Guidance Tropagation mode ink budget desig Digital modulation Channel fading fultiplexing Spread spectrum DFDM MIMO Cellulor system Vireless LAN	eling for wireless n of wireless accord n and demodulati	access e access E ess L on L L c t c c c c c c c c c c c c c c c c	Guidance: Disc ourse earn the propa- equation and O access earn the link b earn the link b earn the digita echnology. earn the chan ading. earn the chan ading. earn the multi vireless networ earn the Sprea vireless networ earn the SPDN nultiplexing) t earn the MIMC echnology. earn the cellul earn the IEEES earn the IEEES	agation modeling (kumura-Hata, etc. udget design of w I modulation and o nel model with AV plexing and duplex k. d spedtrum techn- k and navigation s 4(Orthogonal frequ echnology for wire 0(Multi Input Multi or system. 302.11 and standa	free space)for wireless ireless access demodulation VGN and various (technology for satellite system. Juncy division ency division eless network. Output)
1st	1st Quarter 2nd	T 1st 2nd 3rd 4th 5th 6th 7th 8th 0 9th 10th 12th Y 13th E 14th	heme Guidance Guidance Fropagation mode ink budget desig Digital modulation Channel fading fultiplexing FDM FDM FDM FDM FDM FDM FDM FDM FDM FDM	eling for wireless n of wireless accord n and demodulation system em	access e access e ess L on L L c c c c c c c c c c c c c c c c c c	Guidance: Disc ourse earn the prope quation and O access earn the link b earn the link b earn the digita echnology. earn the chan ading. earn the chan ading. earn the chan ading. earn the sprea vireless networ earn the Sprea earn the Sprea earn the IEEE earn the IEEE	agation modeling (kumura-Hata, etc. udget design of w I modulation and o nel model with AV plexing and duplex k. d spedtrum techni- k and navigation s d(Orthogonal frequ echnology for wire D(Multi Input Multi or system. 302.11 and standa 302.15 and standa	free space)for wireless ireless access demodulation VGN and various (technology for satellite system. Juency division less network. Output) rization.
1st	1st Quarter 2nd	T 1st 2nd 3rd 4th 5th 6th 7th 5th 6th 7th 5 8th 0 9th 10th 11th V 12th 13th E 14th	heme Guidance Guidance Fropagation mode ink budget desig Digital modulation Channel fading fultiplexing Spread spectrum DFDM 11MO Cellulor system Vireless LAN Vireless PAN Geyond Wireless	eling for wireless n of wireless accord n and demodulation system em	access e ass L on L f L c c access E c c c c c c c c c c c c c c c c c c c	Guidance: Disc ourse earn the propa- equation and O access earn the link b earn the link b earn the digita echnology. earn the chan ading. earn the chan ading. earn the chan earn the chan earn the sprea- vireless networ earn the Sprea- earn the Sprea- sprea	agation modeling (kumura-Hata, etc. udget design of w il modulation and o nel model with AV plexing and duplex k. d spedtrum techno k and navigation s 4(Orthogonal freque echnology for wire 0(Multi Input Multi or system. 302.11 and standa 302.15 and standa et and 5G system. il broadcasting teclon.	free space)for wireless ireless access demodulation VGN and various < technology for ology for satellite system. Jency division less network. Output) irization. irization.
1st	1st Quarter 2nd	T 1st 2nd 3rd 4th 5th 6th 7th 5th 6th 7th 5 8th 0 9th 10th 11th V 12th 13th 15th	heme Guidance Guidance Fropagation mode ink budget desig Digital modulation Channel fading fultiplexing FDM FDM FDM FDM FDM FDM FDM FDM FDM FDM	eling for wireless n of wireless accord n and demodulation system em	access e ass L on L f L c c access E c c c c c c c c c c c c c c c c c c c	Guidance: Disc ourse earn the propa- equation and O access earn the link b earn the link b earn the digita echnology. earn the chan ading. earn the chan ading. earn the chan earn the chan earn the sprea- vireless networ earn the Sprea- earn the Sprea- sprea	agation modeling (kumura-Hata, etc. udget design of w il modulation and o nel model with AV plexing and duplex k. d spedtrum techno k and navigation s 4(Orthogonal freque echnology for wire 0(Multi Input Multi or system. 302.11 and standa 302.15 and standa et and 5G system. Il broadcasting tecl	free space)for wireless ireless access demodulation VGN and various < technology for ology for satellite system. Jency division less network. Output) irization. irization.
1st Semeste r	1st Quarter 2nd Quarter	T 1st 2nd 3rd 4th 5th 6th 7th 5th 6th 7th 5 8th 0 9th 10th 11th V 12th 13th 15th	Theme Guidance Guidance Fropagation mode ink budget desig Digital modulation Channel fading fultiplexing Tultiplexing Spread spectrum OFDM TIMO Cellulor system Vireless LAN Vireless PAN Seyond Wireless Groadcasting syst inal examination Summary	eling for wireless n of wireless accord n and demodulation system em	access e ass L on L f L c c access E c c c c c c c c c c c c c c c c c c c	Guidance: Disc ourse earn the propa- equation and O access earn the link b earn the link b earn the digita echnology. earn the chan ading. earn the chan ading. earn the chan earn the chan earn the sprea- vireless networ earn the Sprea- earn the Sprea- sprea	agation modeling (kumura-Hata, etc. udget design of w il modulation and o nel model with AV plexing and duplex k. d spedtrum techno k and navigation s 4(Orthogonal freque echnology for wire 0(Multi Input Multi or system. 302.11 and standa 302.15 and standa et and 5G system. il broadcasting teclon.	free space)for wireless ireless access demodulation VGN and various < technology for ology for satellite system. Jency division less network. Output) irization. irization.
1st Semeste r	1st Quarter 2nd Quarter ion Meth	1st T 1st G 2nd P 3rd L 4th D 5th C 6th N 7th S 8th C 9th N 10th C 11th V 12th F 14th E 15th F 16th S	Theme Guidance Guidance Fropagation mode ink budget desig Digital modulation Channel fading fultiplexing Tultiplexing Spread spectrum OFDM TIMO Cellulor system Vireless LAN Vireless PAN Seyond Wireless Groadcasting syst inal examination Summary	eling for wireless n of wireless accord n and demodulation system em	access e ass L on L f L c c access E c c c c c c c c c c c c c c c c c c c	Guidance: Disc ourse earn the propa- equation and O access earn the link b earn the link b earn the digita echnology. earn the chan ading. earn the chan ading. earn the chan earn the chan earn the sprea- vireless networ earn the Sprea- earn the Sprea- sprea	agation modeling (kumura-Hata, etc. udget design of w il modulation and o nel model with AV plexing and duplex k. d spedtrum techno k and navigation s 4(Orthogonal freque echnology for wire 0(Multi Input Multi or system. 302.11 and standa 302.15 and standa et and 5G system. il broadcasting teclon.	free space)for wireless ireless access demodulation VGN and various < technology for ology for satellite system. Jency division less network. Output) irization. irization.
1st Semeste r	1st Quarter 2nd Quarter ion Meth	Ist T 1st G 2nd F 3rd L 4th C 5th C 6th N 7th S 8th C 9th N 10th C 11th V 12th F 14th E 15th F 16th S mod and W amination	heme Guidance Guidance Fropagation mode ink budget desig Digital modulation Channel fading fultiplexing Spread spectrum OFDM 11MO Cellulor system Vireless LAN Vireless PAN Seyond Wireless Stroadcasting syst inal examination Cummary eight (%)	eling for wireless n of wireless acce n and demodulations system em Mutual Evaluations between	access access	Guidance: Disc ourse earn the propa quation and O access earn the link b earn the link b earn the link b earn the digita echnology. earn the chan ading. earn the chan ading. earn the multi vireless networ earn the sprea vireless networ earn the sprea vireless networ earn the Sprea vireless networ earn the Sprea vireless networ earn the Sprea earn the Sprea earn the IEEE earn the IEEE earn the IEEE earn the IEEE earn the HetN earn the digita final examinatio	agation modeling (kumura-Hata, etc. udget design of w I modulation and o nel model with AV plexing and duplex k. d spedtrum techni- k and navigation s 4(Orthogonal frequ echnology for wire 0(Multi Input Multi or system. 302.11 and standa 302.15 and standa et and 5G system. I broadcasting tech on. study content and	free space)for wireless ireless access demodulation VGN and various (technology for satellite system. uency division less network. Output) rization. rization. hnology. d confirm grades

Technical Ability	70	20	0	0	0	0	90
Interdisciplinar y Ability	0	0	0	0	0	0	0

Т	oyama (College	Year	Year 2020			Instrument ar Programming	nd Control	
Course	Informa	ation	·	·		· · ·			
Course Co	ode	0005			Course Category	/ Specialize	d / Elective		
Class For	mat	Lecture			Credits	Academic	Credit: 2		
Departme	ent	Control Course	Information Syste	ms Engineering	Student Grade	Adv. 1st	Adv. 1st		
Term		First Sei	mester		Classes per Wee	k 2			
Textbook Teaching	and/or Materials								
Instructo	r	Mizumo	to Iwao						
Course	Objectiv	ves							
The lectu	re of purp	ose is desig	on the electronics	the electronics circuits for measurement, manufact			rement system.		
Rubric									
			Ideal Level of	Ideal Level of Achievement Standard Level of			Unacceptable L Achievement)	evel of	
Evaluatio	n 1		Design of micr circuits	o electrrcal	discription of mic	cro electronics	non discription		
Evaluation 2			Design of opar	ational amplifier	discription of operational amplifier		non discription		
Evaluatio	n 3		Design lock in	Design lock in amplifier discription of loc			non discription		
Assigne	ed Depa	rtment Ol	bjectives	ctives					
Teachin	ng Metho	bc							
Outline		The lect system.	ure of purpose is	design the electro	nics circuits for m	easurement, ma	anufacturing of m	neasurement	
Style									
Notice									
Course	Plan								
000100			Theme		0	Goals			
		1st	Fundamental bia	s circuits	F	undamental bia	s circuits		
		2nd	Fundamental bia		F	undamental bia	s circuits		
		3rd	Fundamental bia	s circuits		undamental bia			
		4th	Fundamental bia	s circuits		undamental bias circuits			
	1st	5th	Voltage Divider T	ransistor Biasing	\ \	/oltage Divider 1	ransistor Biasing		
	Quarter	6th		ransistor Biasing			Fransistor Biasing		
1st		7th	Voltage Divider T	ransistor Biasing	N	/oltage Divider 1	ransistor Biasing	ransistor Biasing	
Semeste		8th	Fundamental of a				amental of operational amplifier		
r			i unuunichtai or e	perational amplifi	ier F	Fundamental of o	operational ampl	•	
		9th		pperational amplific pperational amplific			operational ampl	ifier	
			Fundamental of o		ier F	Fundamental of o		ifier ifier	
		9th	Fundamental of of Fundamental of o	perational amplifi	ier F ier F	Fundamental of of of of of of of of of other sectors and the sectors and the sectors are s	operational ampl	ifier ifier ifier	
	2nd	9th 10th	Fundamental of of Fundamental of of Fundamental of of Design operation	operational amplifi operational amplifi operational amplifi al amplifier	ier F ier F ier F	Fundamental of of of of of of of of of other sectors and the sectors and the sectors are s	operational ampl operational ampl operational ampl	ifier ifier ifier	
	2nd Quarter	9th 10th 11th	Fundamental of of Fundamental of of Fundamental of o	operational amplifi operational amplifi operational amplifi al amplifier	ier F ier F ier F C	Fundamental of of Fundamental of of Fundamental of o	operational ampl operational ampl operational ampl l amplifier	ifier ifier ifier	
		9th 10th 11th 12th	Fundamental of of Fundamental of of Fundamental of of Design operation	operational amplifi operational amplifi operational amplifi al amplifier al amplifier	ier F ier F ier C C	Fundamental of C Fundamental of C Fundamental of C Design perationa	operational ampl operational ampl operational ampl l amplifier al amplifier	ifier ifier ifier	
		9th 10th 11th 12th 13th	Fundamental of of Fundamental of of Fundamental of of Design operation Design operation	operational amplifi operational amplifi operational amplifi al amplifier al amplifier amplifier	ier F ier F ier C C C	Fundamental of 6 Fundamental of 6 Fundamental of 6 Design perationa Design operationa	operational ampl operational ampl operational ampl l amplifier al amplifier plifier	ifier ifier ifier	
		9th 10th 11th 12th 13th 14th	Fundamental of of Fundamental of of Fundamental of of Design operation Design operation Design of Lock in	operational amplifi operational amplifi operational amplifi al amplifier al amplifier amplifier amplifier	ier F ier F ier C C C A	Fundamental of Fundamental of Fundamental of Design perationa Design operation Design of Lock ir	operational ampl operational ampl operational ampl I amplifier al amplifier o plifier	ifier ifier ifier	
	Quarter	9th 10th 11th 12th 13th 14th 15th 16th	Fundamental of of Fundamental of of Fundamental of of Design operation Design operation Design of Lock in Assemble of Lock	operational amplifi operational amplifi operational amplifi al amplifier al amplifier amplifier amplifier	ier F ier F ier C C C A	Fundamental of Fundamental of Fundamental of Design perationa Design operation Design of Lock ir Assemble of Lock	operational ampl operational ampl operational ampl I amplifier al amplifier o plifier	ifier ifier ifier	
	Quarter	9th 10th 11th 12th 13th 14th 15th 16th	Fundamental of of Fundamental of of Fundamental of of Design operation Design operation Design of Lock in Assemble of Lock Assemble of Lock	operational amplifi operational amplifi operational amplifi al amplifier al amplifier amplifier amplifier	ier F ier F ier C C C A	Fundamental of Fundamental of Fundamental of Design perationa Design operation Design of Lock ir Assemble of Lock	operational ampl operational ampl operational ampl I amplifier al amplifier o plifier	ifier ifier ifier	
Evaluat	Quarter	9th 10th 11th 12th 13th 14th 15th 16th hod and V	Fundamental of of Fundamental of of Fundamental of of Design operation Design operation Design of Lock in Assemble of Lock Assemble of Lock	pperational amplifi pperational amplifi pperational amplifi al amplifier amplifier in amplifier in amplifier in amplifier Mutual Evaluations between	ier F ier F C C C C C C C C C C C C C C C C C C C	Fundamental of of Fundamental of of Design perationa Design operation Design of Lock in Assemble of Lock	operational ampl operational ampl operational ampl l amplifier al amplifier oplifier in plifier	ifier ifier ifier ifier	
	Quarter ion Metl E>	9th 10th 11th 12th 13th 14th 15th 16th hod and V camination	Fundamental of of Fundamental of of Fundamental of of Design operation Design operation Design of Lock in Assemble of Lock Assemble of Lock Weight (%)	pperational amplifi pperational amplifi pperational amplifi al amplifier al amplifier amplifier in amplifier in amplifier wutual Evaluations between students	ier F ier F L C C C C C C C C C C C C C C C C C C	Fundamental of of Fundamental of of Fundamental of of Design perationa Design of peration Design of Lock in Assemble of Lock Assemble of Lock	operational ampl operational ampl operational ampl l amplifier al amplifier oplifier of in plifier	ifier ifier ifier ifier Total	
Evaluat	Quarter	9th 10th 11th 12th 13th 14th 15th 16th hod and V camination 00	Fundamental of of Fundamental of of Fundamental of of Design operation Design operation Design of Lock in Assemble of Lock Assemble of Lock Weight (%) Presentation	pperational amplifi pperational amplifi pperational amplifi al amplifier al amplifier amplifier amplifier amplifier amplifier between students 0	ier F ier F Ier F C C C C C C C C C C C C C C C C C C C	Fundamental of of Fundamental of of Fundamental of of Design perationa Design of peration Design of Lock in Design of Lock in Design of Lock Design of Lock	operational ampl operational ampl operational ampl l amplifier al amplifier oplifier in plifier in amplifier	ifier ifier ifier ifier Total	

Toyama College			Year	Year 2020		Course Title	Quantum Electronics	
Course	Informa	tion						
Course Co	ode	0006			Course Category	Specializ	ed / Elective	
Class Forr	nat	Lecture			Credits	Academi	c Credit: 2	
Departme	ent	Control Inf Course	ormation System	ms Engineering	Student Grade	Adv. 1st		
Term		Second Se	mester		Classes per Wee	k 2		
Textbook								
Teaching Instructor		Yoshii Yots	sumi					
Course	Objectiv	es						
Through t 1. Electro 2. Interac 3. Theory 4. Detecti 5. Laser a	this course magnetic tion of rac of laser o on of option application	e, understand theory and pr diation and at scillation and cal radiation a s in sensors a	opagation of ra omic systems. laser devices. and properties o and communicat	f semiconductor p				
2.異なる媒 3.レーザの 4.受光素子	≹質中での光)構造と動作 その構造と重	F原理を説明で h作原理を説明	物質の相互作用に きる。	ついて説明できる 説明できる。	o			
Rubric								
			理想的な到達レイ	ベルの目安	標準的な到達レベ	ルの目安	未到達レベルの目安	
評価項目1			Clearly underst of light	ands properties	Ability to explain properties of light		Unable to explain properties of light	
評価項目2				ands interaction d atomic systems	Ability to explain radiation and atc	interaction of mic systems	Unable to explain interaction of radiation and atomic systems	
評価項目3			Clearly underst principles and t diode lasers	he structure of	Ability to explain principles and the diode lasers		Unable to explain operating principles and the structure of diode lasers	
評価項目4			Clearly underst principles and t photon detecto	he structure of	Ability to explain principles and the photon detectors	e structure of	Unable to explain operating principles and the structure of photon detectors	
評価項目5			Clearly underst optoelectronics application dev	and laser	Ability to explain and laser applica		s Unable to explain optoelectronics and laser application devices	
Assigne	d Depar	tment Obje	ectives					
Teachin	g Metho	d						
Outline		quantum p beams, cla	properties of rad issical ray optics nuous wave gen	iation. Fundamer and optical syste	itals include: Maxwers, quantum the	vell's electroma ory of light, ma	vices based on classical and agnetic waves, resonators and atter and its interaction, lasers oronics and laser applications are	
Style		principles 1.Understa 2.Demons	rpose of unders and examples. N anding Lasers ar trations in Laser trations in Physi	1IT Open Coursev nd Fiberoptics Fundamentals	electronics, lectur ware videos are als	res and exercis so used.	es facilitate the learning of	
Notice								
Course	Plan							
		TI	neme		G	Goals		
		G 1st ガ	uidance イダンス ントロダクション	,		ourse	uss the goals and structure of this 7トロニクスについて概説できる	
		and W	<u>ンドロタクション</u> ave optics の基本的性質	-	R	elation betwee	アトロークスについて成就できる en wave optics and ray optics 可な性質を説明できる	
		EI	ectromagnetic t と電磁波	heory of light	M	1axwell's equat	ions and wave equation 武から波動方程式を導出できる	
D			plarized light 光		P	olarization dev	ight, reflection and refraction ices t質を説明できる	
2nd Semeste r	3rd Quarter	5th O 光	ptical wave guid 導波路と光ファイ	es and fibers バ	P	ropagation of o	optical beams in fibers アイバの原理を説明できる	
		6th し	asers(1) ーザ光		L	ィーザー光の性質		
		7th La	asers(2) ーザ光の発生(1	.)	L オ	aser amplifier	ohoton with atoms F用とレーザー光の発生について説明	
		8th し	asers(3) ーザ光の発生(2	2)	C	<u>できる</u> Theory of laser oscillation Optical resonators 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 diodes Semiconductor laser amplifiers Structures of diode laser 半導体レーザの基本構造と動作原理を説明できる			
	4th Quarter		Semiconductor ph 発光素子の動作原理	oton sources(2) と特性(2)		Advanced semiconductor lasers: DFB, VECSEL, etc 特徴的な半導体レーザの原理について説明できる (FP型, DFB型)			
			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			
			Semiconductor ph 受光素子の動作原理	oton detectors(1) と特性(1))	Theory of photoc フォトダイオードの	liodes and structu の構造と動作原理を	ure 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 フォトダイオードの	^f photodiode の特性について説明	月できる		
		14th	Optoelectronics ar 光エレクトロニクス	nd laser applicatic 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 ar 光エレクトロニクス	nd laser applicatic 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							
Evaluati	on Meth	od and V	Weight (%)						
	試測	<i></i>	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	

То	oyama C	College	Year	2020		Course Title Technical English			
Course	Informa	tion							
Course Co		0010			Course Categor	<i>·</i> · · · · · · · · · · · · · · · · · ·	ed / Compulsory		
Class For	mat	Lecture			Credits	Academic	Credit: 2		
Departme	ent	Control I Course	information Syste	ems Engineering	Student Grade	Adv. 1st			
Term		Second S	Semester		Classes per We	ek 2			
Textbook	and/or Materials			ference is made to English (Corona C		neering Mathema	atics (John Willey & Sons. Inc.)		
Instructor				a Ryuichi,Yoshii Yo		Toshihiko.Kvode	n Tomoaki		
	Objectiv								
You are g and Engli	-	ad practical	science and tech	nology English ser	ntences, accumu	late experience o	of technical English composition		
Rubric					1				
			理想的な到達レ	ベルの目安			未到達レベルの目安		
Evaluatio	n item 1		You can exprese accurate Englise words.	ss yourself with sh sentences and	Even if there is what you want expressed in En words.		You can not express yourself in English words and words.		
Evaluatio	n item 2		You can exprese effectively.	ss your idea	You can express if there is some	s your idea even error.	You can not express your own idea.		
Evaluation item 3			You can grasp accurately by videos about T	watching English	By watching En Technology, you contents even it errors.		You can not grasp the contents by watching English videos about Technology.		
Assigne	d Depar	tment Ob	jectives						
	ng Metho								
Outline		English,	foreign language	s, technical terms,	grammar, conte	ents concerning	understanding of different cultures		
Style			1	ances classes in an			esponsibility. omnibus format.		
July 10			1				each class of the omnibus		
Notice		method,	and takes the ar	ithmetic average a	and sets the final	evaluation. Mor	e than 60 points are necessary to		
Course	Plan	11							
			heme			Goals			
		1st	Technical English	t t			miliar video on science its summary in Japanese		
		2nd	Technical English	echnical English Listening and Dictation -2			miliar video on science writing in English		
		3rd	Technical English	hnical English Listening and Dictation -3			h and Japanese in easy-to- ner while comparing Japanese nglish translation in English		
		4th	Technical English	hnical English Listening and Dictation -4			Corrected English and Japanese in easy-to- understand manner while comparing Japanese summary with English translation in English		
		5th	Technical English	Listening and Dic	tation -5	Corrected English and Japanese in easy-to- understand manner while comparing Japanese summary with English translation in English			
2nd Semeste	3rd Quarter	6th	English expressio	n in mathematics	and physics -1	Professors will teach English expressions such as numbers, mathematical expressions and graphs that require accurate representation and interpretation in the field of science and technology, subjects in English mathematics primer and the like.			
		7th	English expressio	n in mathematics	and physics -2	Professors will teach English expressions such numbers, mathematical expressions and graph that require accurate representation and interpretation in the field of science and technology, subjects in English mathematics primer and the like.			
		8th	English expressio	n in mathematics	and physics -3	You learn about the fundamentals of science and technology expression in physics by comparing understanding content and its English expression with subjects of classical mechanics such as Newton's dynamics law which the student fully			
	4th Quarter	9th	English expressio	n in mathematics	and physics -4	understands. You learn about the fundamentals of science and technology expression in physics by comparing understanding content and its English expression with subjects of classical mechanics such as Newton's dynamics law which the student fully understands.			

		10th	English expre	ssion in mathemat	ics and physics -5	technology expre	ession in physontent and its	ntals of science and sics by comparing 5 English expression hanics such as 1 the student fully
		11th	Effective Pres	entation		Introduce a meth in as simple Engl		nit research contents le
		12th	How to explai	n tables and graph	IS	How to explain ta How to express i	ables and gra n a research	phs in English etc. presentation
		13th	Research sum	nmary Slide creatio	'n	You drop my own painting and pres	n research in sent it in Eng	to one punch lish
		14th	Presentation i	n English 4		You will further e English.	explain the pr	esentation in
		15th	Presentation i	n English 5		You will further e English.	explain the pr	resentation in
		16th	Comprehensiv	ve evaluation \cdot Gra	ding confirmation	We will evaluate class of the omni be submitted, so	according to bus method we will not c	the quizzes for each and the subjects to conduct final exams.
Evaluatio	n Me	ethod and	Weight (%)					
		試験	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	能力	0	50	10	10	10	20	100

I '	oyama C	College	Year	2020		Course Title	Advanced Business Strategy	
Course	Informa	tion						
Course C	Code	0011			Course Category	/ Specializ	ed / Elective	
Class For	rmat	Lecture			Credits	Academi	c Credit: 2	
Departm	ent	Control Ir Course	nformation System	ms Engineering	Student Grade	Adv. 1st		
Term		Second Se	emester		Classes per Wee	k 2		
Textbook Teaching	c and/or Materials	Built to La	ast: Successful H	abits of Visionary	Companies, Nikk	ei BP		
Instructo	or	Miyashige	e Tetsuya					
Course	Objectiv	'es						
Become	to underst	and the theo	ories of Business	Strategy				
Rubric								
			Ideal Level of A (Very Good)	Achievement	Standard Level ((Good)	of Achievement	Unacceptable Level of Achievement (Fail)	
評価項目1	1		understood the Business Strate application to s	egy, and	understood the Business Strates		Did not understand the theories of Business Strategy	
Assigne	ed Depar	tment Obj	jectives					
Teachir	ssigned Department Objectives eaching Method							
Outline			nd the theories of	f Business Strate	gy, and application	n to society		
Style		Seminar-s	ed by both teach style discussion ions by students	er and students				
Notice								
-	Dlan							
Course	PIdII							
Course	Platt	Т	heme			Goals		
Course		1 1	Theme Course Orientatio	n			of Course Structure	
Course		1st C		n	l	Understanding of	of Course Structure	
Course		1st C 2nd C	Course Orientatio	n	L	Understanding of	of Corporate Goals	
Course		1stC2ndC3rdC	Course Orientatio Corporate Goals	n		Understanding of Understanding of the standing of the standin	of Corporate Goals of Domains(1)	
Course	3rd Quarter	1st C 2nd C 3rd C 4th C	Course Orientatio Corporate Goals Domains (1)			Jnderstanding (Jnderstanding (Jnderstanding (Jnderstanding (of Corporate Goals of Domains(1)	
Course	3rd	1st C 2nd C 3rd C 4th C 5th C	Course Orientatio Corporate Goals Domains (1) Domains (2)	(1)		Jnderstanding (Jnderstanding (Jnderstanding (Jnderstanding (Jnderstanding (of Corporate Goals of Domains(1) of Domains(2)	
Course	3rd	1st C 2nd C 3rd C 4th C 5th C 6th C	Course Orientatio Corporate Goals Domains (1) Domains (2) Growth Strategy ((1) (2)		Jnderstanding (Jnderstanding (Jnderstanding (Jnderstanding (Jnderstanding (Jnderstanding (of Corporate Goals of Domains(1) of Domains(2) of Growth Strategy(1)	
2nd	3rd Quarter	1st C 2nd C 3rd C 4th C 5th C 6th C 7th C	Course Orientatio Corporate Goals Domains (1) Domains (2) Growth Strategy (Growth Strategy ((1) (2) egy (1)		Jnderstanding (Jnderstanding (Jnderstanding (Jnderstanding (Jnderstanding (Jnderstanding (Jnderstanding (of Corporate Goals of Domains(1) of Domains(2) of Growth Strategy(1) of Growth Strategy(2)	
	3rd Quarter	1st C 2nd C 3rd D 4th D 5th C 6th C 7th C 8th C	Course Orientatio Corporate Goals Domains (1) Domains (2) Growth Strategy (Competitive Strat	(1) (2) egy (1) egy (2)		Jnderstanding (Jnderstanding (Jnderstanding (Jnderstanding (Jnderstanding (Jnderstanding (Jnderstanding (Jnderstanding (of Corporate Goals of Domains(1) of Domains(2) of Growth Strategy(1) of Growth Strategy(2) of Competitive Strategy(1)	
2nd Semeste	3rd Quarter	1st C 2nd C 3rd C 4th C 5th C 6th C 7th C 8th C 9th C	Course Orientatio Corporate Goals Domains (1) Domains (2) Growth Strategy (Competitive Strat Competitive Strat	(1) (2) egy (1) egy (2) egy (3)		Jnderstanding (Jnderstanding (Jnderstanding (Jnderstanding (Jnderstanding (Jnderstanding (Jnderstanding (Jnderstanding (Jnderstanding (of Corporate Goals of Domains(1) of Domains(2) of Growth Strategy(1) of Growth Strategy(2) of Competitive Strategy(1) of Competitive Strategy(2)	
2nd Semeste	3rd Quarter	1st C 2nd C 3rd C 4th C 5th C 6th C 7th C 8th C 9th C 10th E	Course Orientatio Corporate Goals Domains (1) Domains (2) Growth Strategy (Competitive Strat Competitive Strat Competitive Strat	(1) (2) egy (1) egy (2) egy (3) ation (1)		Jnderstanding (Jnderstanding (of Corporate Goals of Domains(1) of Domains(2) of Growth Strategy(1) of Growth Strategy(2) of Competitive Strategy(1) of Competitive Strategy(2) of Competitive Strategy(3)	
2nd Semeste	3rd Quarter	1st C 2nd C 3rd C 4th C 5th C 6th C 7th C 8th C 9th C 10th E 11th E	Course Orientatio Corporate Goals Domains (1) Domains (2) Growth Strategy (Growth Strategy (Competitive Strat Competitive Strat Competitive Strat Business Organiza	(1) (2) egy (1) egy (2) egy (3) ation (1) ation (2)		Jnderstanding (Jnderstanding (of Corporate Goals of Domains(1) of Domains(2) of Growth Strategy(1) of Growth Strategy(2) of Competitive Strategy(1) of Competitive Strategy(2) of Competitive Strategy(3) of Business Organization(1) of Business Organization(2)	
2nd Semeste	3rd Quarter	1st C 2nd C 3rd C 4th C 5th C 6th C 7th C 8th C 9th C 10th E 11th E 12th E	Course Orientatio Corporate Goals Domains (1) Domains (2) Growth Strategy (Competitive Strat Competitive Strat Competitive Strat Competitive Strat Competitive Strat Business Organiza Business Manage	(1) (2) egy (1) egy (2) egy (3) ation (1) ation (2) ment		Jnderstanding (Jnderstanding (of Corporate Goals of Domains(1) of Domains(2) of Growth Strategy(1) of Growth Strategy(2) of Competitive Strategy(1) of Competitive Strategy(2) of Competitive Strategy(3) of Business Organization(1) of Business Organization(2) of Business Management	
2nd Semeste	3rd Quarter 4th	1st C 2nd C 3rd C 4th C 5th G 6th C 7th C 8th C 9th C 10th E 11th E 12th C	Course Orientatio Corporate Goals Domains (1) Domains (2) Growth Strategy (Competitive Strat Competitive Strat Competitive Strat Competitive Strat Business Organiza Business Manager Corporate Culture	(1) (2) egy (1) egy (2) egy (3) ation (1) ation (2) ment		Jnderstanding (Jnderstanding (of Corporate Goals of Domains(1) of Domains(2) of Growth Strategy(1) of Growth Strategy(2) of Competitive Strategy(1) of Competitive Strategy(2) of Competitive Strategy(3) of Business Organization(1) of Business Organization(2) of Business Management of Corporate Culture	
2nd Semeste	3rd Quarter 4th	1st C 2nd C 3rd C 4th C 5th C 6th C 7th C 8th C 9th C 10th E 12th E 13th C 14th E	Course Orientatio Corporate Goals Domains (1) Domains (2) Growth Strategy (Competitive Strat Competitive Strat Competitive Strat Competitive Strat Competitive Strat Business Organiza Business Manager Corporate Culture Business Ethics	(1) (2) egy (1) egy (2) egy (3) ation (1) ation (2) ment		Jnderstanding (Jnderstanding (of Corporate Goals of Domains(1) of Domains(2) of Growth Strategy(1) of Growth Strategy(2) of Competitive Strategy(2) of Competitive Strategy(2) of Competitive Strategy(3) of Business Organization(1) of Business Organization(2) of Business Management of Corporate Culture of Business Ethics	
2nd Semeste	3rd Quarter 4th	1st C 2nd C 3rd C 4th C 5th C 6th C 7th C 8th C 9th C 10th E 12th E 13th C 14th E 15th F	Course Orientatio Corporate Goals Domains (1) Domains (2) Growth Strategy (Competitive Strat Competitive Strat Competitive Strat Competitive Strat Competitive Strat Business Organiza Business Manager Corporate Culture Business Ethics	(1) (2) egy (1) egy (2) egy (3) ation (1) ation (2) ment e s and final paper		Jnderstanding (Jnderstanding (of Corporate Goals of Domains(1) of Domains(2) of Growth Strategy(1) of Growth Strategy(2) of Competitive Strategy(1) of Competitive Strategy(2) of Competitive Strategy(3) of Business Organization(1) of Business Organization(2) of Business Management of Corporate Culture of Business Ethics ons and final paper	
2nd Semeste r	3rd Quarter 4th Quarter	1st C 2nd C 3rd C 4th C 5th C 6th C 7th C 8th C 9th C 10th E 11th E 12th E 13th C 14th E 15th F 16th F	Course Orientatio Corporate Goals Domains (1) Domains (2) Growth Strategy (Growth Strategy (Competitive Strat Competitive Strat Strat Competitive Strat Competitive Strat Strat Competitive Strat Competitive Strat Strat Competitive Strat St	(1) (2) egy (1) egy (2) egy (3) ation (1) ation (2) ment e s and final paper		Jnderstanding (Jnderstanding (of Corporate Goals of Domains(1) of Domains(2) of Growth Strategy(1) of Growth Strategy(2) of Competitive Strategy(1) of Competitive Strategy(2) of Competitive Strategy(3) of Business Organization(1) of Business Organization(2) of Business Management of Corporate Culture of Business Ethics ons and final paper	
2nd Semeste r	3rd Quarter 4th Quarter	1st C 2nd C 3rd C 4th C 5th C 6th C 7th C 8th C 9th C 10th E 12th E 13th C 14th E 15th F	Course Orientatio Corporate Goals Domains (1) Domains (2) Growth Strategy (Competitive Strat Competitive Strat Competit	(1) (2) egy (1) egy (2) egy (3) ation (1) ation (2) ment e s and final paper		Jnderstanding (Jnderstanding (of Corporate Goals of Domains(1) of Domains(2) of Growth Strategy(1) of Growth Strategy(2) of Competitive Strategy(1) of Competitive Strategy(2) of Competitive Strategy(3) of Business Organization(1) of Business Organization(2) of Business Management of Corporate Culture of Business Ethics ons and final paper paper	
2nd Semeste r Evaluat	3rd Quarter 4th Quarter	1st C 2nd C 3rd C 4th C 5th C 6th C 7th C 8th C 9th C 10th E 11th E 12th E 13th C 14th E 15th F 16th F	Course Orientatio Corporate Goals Domains (1) Domains (2) Growth Strategy (Competitive Strat Competitive Strat Competit	(1) (2) egy (1) egy (2) egy (3) ation (1) ation (2) ment e s and final paper	((((((((((Jnderstanding (Jnderstanding (of Corporate Goals of Domains(1) of Domains(2) of Growth Strategy(1) of Growth Strategy(2) of Competitive Strategy(2) of Competitive Strategy(3) of Business Organization(1) of Strategy of Business Management of Corporate Culture of Business Ethics ons and final paper paper	
2nd Semeste r Evaluat	3rd Quarter 4th Quarter	1st C 2nd C 3rd C 4th C 5th C 6th C 7th C 8th C 9th C 10th E 11th E 12th E 13th C 14th E 15th F 16th F	Course Orientatio Corporate Goals Domains (1) Domains (2) Growth Strategy (Competitive Strat Competitive Strat Strat Competitive Strat Strat Competitive Strat St	(1) (2) egy (1) egy (2) egy (3) ation (1) ation (2) ment e s and final paper	((((((((((Jnderstanding (Jnderstanding (of Corporate Goals of Domains(1) of Domains(2) of Growth Strategy(1) of Growth Strategy(2) of Competitive Strategy(2) of Competitive Strategy(2) of Competitive Strategy(3) of Business Organization(1) of Business Organization(2) of Business Management of Corporate Culture of Business Ethics ons and final paper paper Total 100	
2nd Semeste r Evaluat	3rd Quarter 4th Quarter tion Meth	1st C 2nd C 3rd C 4th C 5th C 6th C 7th C 8th C 9th C 10th E 11th E 12th E 13th C 14th E 15th F 16th F	Course Orientatio Corporate Goals Domains (1) Domains (2) Growth Strategy (Competitive Strat Competitive Strat Competit	(1) (2) egy (1) egy (2) egy (3) ation (1) ation (2) ment e s and final paper	((((((((((Jnderstanding (Jnderstanding (of Corporate Goals of Domains(1) of Domains(2) of Growth Strategy(1) of Growth Strategy(2) of Competitive Strategy(2) of Competitive Strategy(3) of Business Organization(1) of Strategy of Business Management of Corporate Culture of Business Ethics ons and final paper paper	

Т	oyama C	ollege	Year	2020		Course Title	Regional Industry
Course	Informa	tion					
Course Co	ode	0012			Course Category	y Specializ	ed / Elective
Class For	mat	Lecture			Credits	Academ	ic Credit: 2
Departme	ent	Control Course	Information Syste	ms Engineering	Student Grade	Adv. 1st	:
Term			Semester		Classes per Wee	k 2	
Textbook					• •		
, j	Materials						
Instructor	0bjectiv						
Rubric	Objectiv	<u>es</u>					
Rubric						6 • • • •	Unacceptable Level of
			Ideal Level of A	Achievement	Standard Level o	of Achievemen	Achievement)
Report			ability of expla		About 60% of th structure and ch each field within prefecture can b and explained.	aracteristics of Toyama	f Not to explain about 60% of the industrial structure and the characteristics of each field within Toyama prefecture.
Evaluatio	n 2						
Evaluatio	-						
		tment Ob	ojectives				
Teachin	ing Method						
Outline		viewpoir	nt related to each e and industry, ar	major, and analy:	ze. Make an oppor	tunity to think	 e, learn about the relationship of regional industry from a deeply about the position of and career advancement and
Style		to receiv	cturers from com e a lecture. The l cours about one ti	ecture is in an or	nibus format, and	nanical industr I submissions (y association in Toyama Prefecture of reports about three times and
Notice		Submit a	a report summariz on the contents of	zing the content a the explanation.	ewspaper on a dai ind analysis of the ired for unit crede	regional indus	be interested in current affairs. try, and evaluate the results
Course	Plan						
			Theme			Goals	
		1st	Outline of industr	y in Toyama Pref	ecture lir	ndustries in To	understand the characteristics of yama prefecture, which outlines Toyama Prefecture
		2nd	Introduction to al	uminum industry	(1) p	orefecture. I ca	inum industry in Toyama In understand the characteristics of ndustry in Toyama Prefecture
		3rd	Introduction to al	uminum industry	(2) P	Prefecture. can understar	e aluminum industry in Toyama nd the characteristics of the stry in Toyama Prefecture
	3rd Quarter	4th	Introduction to m	achine tools:	n		nd the characteristics of the dustry in Toyama prefecture that achine tool industry in Toyama
2nd Semeste		5th	Aluminum indust	ry / machine tool	Conclusion:	About the contents of learning I of and explain the characteristics of	
r		6th	Introduction to el	ectronic equipme	nt (1) e	electronic parts	nd the characteristics of the 6 industry in Toyama prefecture e electronic parts industry in ture
		7th	Introduction to el	ectronic equipme	nt (2) e	electronic parts	nd the characteristics of the i industry in Toyama prefecture e electronic parts industry in ture
		8th	Introduction to Ir	nformation indust	· · · ·		ompanies in Toyama Prefecture.
		9th	Introduction to Ir	nformation indust			companies in Toyama Prefecture.
		10th	Introduction to Ir	nformation industi	ry (3)	Inderstandings	s for outlines of information ama prefecture.
	4th Quarter	11th	Introduction to Ir	nformation industi	m (()	Inderstanding	s for outlines of information ama prefecture.
		12th	Introduction to m	nolds(1)	L	Inderstandings	s for the characteristics of the mold ama prefecture.
		1			Understandings for the characteristics of the m industry in Toyama prefecture.		

		14th	Electronic par industry indu compile indus learned so fa	rts / information industry / mold stry Summary: We survey and stry by group work on what we have r	We can of Toya informa	understand and explain the characteristics ma prefecture's electronic parts, tion industry and mold industry
		15th	conclusion			
		16th	Grading confi questionnaire	rmation, question evaluation		
Evaluati	on Meth	od and \	Neight (%)			
				report	٦	Total
Subtotal				100	1	100
Presentati	on			100	1	100

Тс	oyama	a Co	llege	Year	2020		Course Title	Manageme Technology	
Course	Inforr	natio	ī			1			
Course Co			0013			Course Categor	/	ed / Elective	
Class For	mat		Lecture			Credits	Academi	ic Credit: 2	
Departme	ent		Control In	formation Syste	ms Engineering	Student Grade	Adv. 1st		
Term			First Seme	ester		Classes per Wee	ek 2		
Textbook Teaching			Distributio	n					
Instructor			Kiyoshi Ta	ikeharu					
Course	Objec	tives	S						
Students	nding m can get	nanag : engi	pement and ineering po	l utilization of te ints of view and	chnology. understanding of	f technology oper	ations.		
Rubric					N = - : - : - : - : - : - : - : - : - : -	Chan da ud Laural	- 6 A - b :		
				Ideal Level of A (Very Good)		Standard Level (Good)		Achievemer	nt (Fail)
Evaluatio	n 1			Students can p understand bas	sic MOT.	Students can ur MOT.	nderstand basic	basic MOT.	nnot understand
Evaluation 2				Students can p about manufac	roperly explain turing process.	Students can ex manufacturing		Students ca manufactur	nnot explain about ing process.
Evaluatio	Evaluation 3			Students can e practical busing manufacturing	ess of	Students can ex practical busine manufacturing.		Students ca practical bu manufactur	
Assigne	Assigned Department Obj			ectives					
Teachin	eaching Method								
Outline	-		Departme Humanitie	nt of Internatior s students also	s to get engineer al Business stude have a chance to is class is based o	ents. Our region h get a job in these	has a lot of engi	ineering manuf	gy operation for acturing companies. eering knowledge as
Style			This class independe		ning methods. Fu	rthermore, stude	ents need to be	able to work w	ith a high level of
Notice			This class	requires comple	tion of assignme	nts and preparing	presentations	for every sessi	on.
Course	Plan								
			Т	heme			Goals		
		1	.st G	uidance.		1	Significunce of	the lecture	
		2	nd B	ackground of M	JT.		Understanding	MOT 1	
		3	Brd T	he uncertainly b echnological dev	etween managen elopment.	nent and	Understanding	MOT 2	
	1st Quarte		in i	he basic concept reation.	t of innovation an	d knowledge	Understanding		
	-	5	ith R	&D managemen	t and market ma	nagement.	Understanding		
					anufacturing flow		Understanding for munifacturing 1		
1st				lanufacturing teo			Understanding for munifacturing 2		
Semeste r	<u> </u>			roduction manag			Understanding		
					on of manufacturi		Understanding		
				ractice 1.			Practice: Produ		
				ractice 2.			Practice: Produ		
	2nd Quarte			ractice 3.			Practice: Produ	ction of prototy	ypes
		÷		/riting report.			Writing report.		
				reparing present			Preparing prese		
				inal presentation	1.		Final presentati	011.	
				valuation.			Evaluation.		
Evaluat		ะเทอ	u and W	eight (%)	M				
		Exam	nination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total
Subtotal		0		100	0	0	0	0	100
Basic Abil	ity	0		80	0	0	0	0	80
Technical		0		20	0	0	0	0	20
Ability 0 Interdisciplinar 0									

Course In	<i>c</i>					Title		Processing
C	<u>nforma</u>	tion						
Course Cod	le	0014			Course Category	/ Specializ	ed / Elective	
Class Forma	at	Lecture			Credits	Academ	ic Credit: 2	
Department	t	Control I Course	Information Syste	ms Engineering	Student Grade	Adv. 1st	:	
Term		First Ser	nester		Classes per Wee	ek 2		
Textbook a								
Teaching Ma	ateriais	Akiguchi	Chungulko					
Instructor			Shunsuke					
1. Data pr 2. Creating 3. Explana	is course ocessing g macro	e, understar g and analy s using VBA	sis with Excel.	ving will be facilita ocessing.	ted.			
Rubric						<u> </u>		
			Ideal Level of (Very Good)		Standard Level ((Good)		Achievement	(Fail)
Evaluation :			of data proces using Excel in		and concept of c and analysis usi	lata processing ng Excel.	Unable to exp data processi using Excel.	plain the method o ng and analysis
Evaluation 2			methód of ma detail.		and concept of r method by VBA.	macro creation	Unable to exp method of ma	blain the creation acro for VBA.
Evaluation 3			Clearly unders of emotional ir processing in c		Ability to explain and concept of e information proc	emotional	emotional info	blain the method o ormation
<u>Assigned</u>	ssigned Department Ob eaching Method		jectives					
Teaching	Metho	d						
Outline		In this card and	ourse, you will lea lysis. To understa ion processing.	arn about the prind nd data processind	ciples and fundan g and analysis me	nental techniqu ethod, macro c	les required for or reation method	data processing and emotional
Style		Student	masters this cour	se through lecture	es and seminar.			
Notice		The reco	gnition of credit I	equires 60 points	or more rating.			
Course Pl	lan							
			Theme		(Goals		
		1st	Guidance			Guidance: Disc course.	uss the goals and	d structure of this
		2nd	Information proc	essing using comp	uter -1-	_earn the data	processing by Ex	xcel
		3rd	Information proc	essing using comp	uter -1-	_earn the data	analysis by Exce	el
	st	4th	Information proc	essing using comp	uter -2-	_earn the prog	ramming method	d
Q)uarter	5th	Information proc	essing using comp	uter -2-	_earn the prog	ramming method	b
		6th		essing using comp		introduction fo		
		7th		essing using comp		Create a macro		
		8th		essing using comp		Create a macro		
1st Semeste		9th		essing using comp		Create a macro		
r		10th	Exercise			Exercise	-	
		11th	Emotional inform	ation processing r			the trends in the cessing method	
	2nd Quarter	12th	Emotional inform	ation processing r			e details of the e ocessing method	
	ZUULUU	13th	Emotional inform	ation processing r		emotional infor	signing and impl mation processir	lementing the ng method.
		14th	Exercise			Exercise		
		15th	Final Examination			-inal Examinati		
		16th	Checking the Fina	al Evaluation		Checking the Fi	inal Evaluation	
Evaluatio	n Meth	nod and V	Veight (%)		1	P	1	
	Ex	amination	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
1	nical 70 0 0 0 30 0 100				-	-	-	
Technical Ability	Ability 70							
	-		0	0	0	0	0	0

Т	oyama C	ollege	Year	2020		Course Title	Object-oriented Programing	
Course	Informa	tion			1			
Course C	ode	0015			Course Catego	ry Specializ	zed / Elective	
Class For	mat	Lecture			Credits	Academ	ic Credit: 2	
Departme	ent	Control Inf	formation Syste	ms Engineering	Student Grade	Adv. 1st	t	
Term		Second Se	mester		Classes per We	ek 2		
Textbook Teaching	and/or Materials							
Instructo	r	Hayase Yo	shikazu					
Course	Objectiv	es						
1. Unders 2. Unders 3. Unders	stand the b stand UMI	asic object-o diagrams for	he object-orient riented concept object-oriented ed analysis with	l development.	s and analysis w	ith UML.		
Rubric					1			
			Ideal Level of A (Very Good)	Achievement	Standard Level (Good)	of Achievemen	t Unacceptable Level of Achievement (Fail)	
Evaluatio	n 1		Describe the ba oriented conce	asic object- pts correctly.	Understand the oriented conce		Does not understand the basic object-oriented concepts.	
Evaluatio	n 2		Can draw UML object-oriented correctly.	diagrams for	Understand UM object-oriented	1L diagrams for development.	Does not understand UML diagrams for object-oriented development.	
Evaluatio	n 3		Can object-orie		Understand fo analysis with U	r object-oriente IML.	d Does not understand for object- oriented analysis with UML.	
Assigne	ed Depar	tment Obje		· · · · / ·				
	ng Metho							
Outline		Lecture on	the basic object	t-oriented concep	ots. Perform exe	rcises for object	-oriented analysis with UML.	
Style		Lecture an	d exercise					
Notice		Require th	e score points c	of 60 or more to r	each the evaluat	ion standard of	JABEE.	
Course	Plan	1				1		
		TI	neme			Goals		
		1st So	oftware Enginee	ring Basics		Understand the development c	e basic knowledge of the software ycle.	
		2nd Ir	troduction to O	bject-Oriented De	esign	Understand the Oriented Desig	e basic knowledge of the Object- n.	
		3rd Cl	asses basics			Understand the	e basic knowledge of the Classes.	
	3rd	4th Ir	heritance, Abst	ract Classes		Understand ab Classes.	out Inheritance and Abstract	
	Quarter	5th Ir	troduction to O	bject-Oriented An	alysis	Understand the basic knowledge of the Object- Oriented Analysis.		
		6th Er	ncapsulation, In	formation Hiding,	Unit Testing	Understand about Encapsulation, Information Hiding, Unit Testing.		
		7th Ci	reation of Team	Project		3,	ne tiny team project.	
			troduction to D			Understand the	e basic knowledge of the Design	
2nd Semeste		oth Re	equirements An	alysis with UML:	The Use Case	Understand a l	e Object-Oriented. Jse Case Diagram for a	
r			iagram equirements An	alysis with UML:	The Class	Requirements Understand a (Analysis. Class Diagram for a Requirements	
		Di Di	iagram	alysis with UML:		Analysis.	Sequence Diagram for a	
		Di Di	iagram			Requirements		
	4th Quarter			vith UML: The Act		model.		
				UML: The Deploy		model.	Deployment Diagram for a Static	
			ynamic model w iagram	vith UML: The Cor	mmunication	Dynamic mode		
		15th Fi	nal Exam			Confirm the de object-oriented	gree of understanding of the basic concepts.	
		16th Ex	xplanation of Fir	nal Exam		Explanation of final exam.	answer example and returning the	
Evaluat	ion Meth	od and We	eight (%)					
			Examination		Portfolio		Total	
Subtotal			70		30		100	
Basic Abi			60		20		80	
1 - 1 · 1	l Ability		10		10		20	

Тс	oyama	College	Year	2020		Course Title	Advanced Co Engineering	mputational
Course					1			
Course Co	ode	0016			Course Category	Specializ	ed / Elective	
Class Forr	mat	Lecture			Credits	Academi	c Credit: 2	
Departme	ent	Control Course	Information Syste	ms Engineering	Student Grade	Adv. 1st		
Term			Semester		Classes per Wee	k 2		
Textbook Teaching		CG Sim	ulation based on C	IP method in Java	i i	ŀ		
Instructor		i	na Shoichi					
Course								
Rubric	00jeee							
Rubric			Ideal Level of (Very Good)	Achievement	Standard Level c (Good)	of Achievement	Unacceptable L Achievement (
Advection	n Equatic	n	Explanation for difficulty of advise explained.	r phenomena and vection equation	Understanding o equation.	f advection	Lack of unders advection equa	tanding of
Numerica Advection	umerical Simulation for dvection Equation		and oscillation	umerical diffusion of advection mproved by CIP	Showing the nur and oscillation.	nerical diffusio	n Lack of unders simulation for a equation.	
Applicatio			(CFD) and Elec	Fluid Dynamics tro Magnetic IS) based on CIP	Some physics sir on CIP method.	nulation basec	Lack of unders	
	Assigned Department Objectives							
Teachin	ig Meth							
Outline		To unde	B3, (d)(2) erstand algorithms ues in C language					
Style		The rec If the fi	for numerical simu ognition of credit r nal score is 60% o ex-examination is	equires 60 points r less, students ca	or more rating.	ation. The stu	Idents whose sco	re is more than
Notice			amination (70%),		0%)			
Course	Plan							
			Theme		0	Goals		
		1st	Guidance. Advect	ion Equation.	I	ntroduction for	- Advection Equat	ion.
		2nd	Descritization for	Advection Equation	on 1	st order metho	od (Upwind schen	ne)
		3rd		Advection Equation		nd order meth	od (Lax-Wendrof	f method)
	3rd	4th	Descritization for	Advection Equation	on C	CIP method		
	Quarter	- 5th	Descritization for	Advection Equation		Programming for		
		6th	Higher accuracy			ligher accuracy		
		7th	Higher accuracy			Programming o nethod.	f Higher accuracy	scheme for CIF
2nd Semeste		8th	Multi Dimension			wo dimension	al CIP method	
r		9th	Multi Dimension			Programming for two dimensional CIP method		
			Application for ph	ivsics		rogramming for two dimensional CIP meth lectro Magnetic Simulation (EMS)		
		rippineacion for pr		E	lectro Magneti	Electro Magnetic Simulation (EMS) Computational Fluid Dynamics (CFD)		
		10th 11th	Application for ph					5)
	4th			iysics	c		Fluid Dynamics (C	5)
	4th Quarter	11th 12th	Application for ph Application for ph	iysics	С Р	Computational	Fluid Dynamics (C or CFD	5)
		11th 12th	Application for ph Application for ph High Performance	nysics nysics	C P) H	Computational Programming fo	Fluid Dynamics (C or CFD cal simulation	5)
		11th 12th 13th	Application for ph Application for ph High Performance	iysics iysics e Computing (HPC e Computing (HPC	C P) H) G	Computational Programming for IPC for numeri	Fluid Dynamics (C or CFD cal simulation ion	5)
		11th 12th 13th 14th	Application for ph Application for ph High Performance High Performance	iysics iysics e Computing (HPC e Computing (HPC 1	C P) F) G	Computational Programming for IPC for numeri GPGPU calculat	Fluid Dynamics (C or CFD cal simulation ion on	5)
Evaluati	Quarter	11th 12th 13th 14th 15th 16th	Application for ph Application for ph High Performance High Performance Final Examination	iysics iysics e Computing (HPC e Computing (HPC 1	C P) F) G	Computational Programming for IPC for numeri GPGPU calculat Final Examinati	Fluid Dynamics (C or CFD cal simulation ion on	5)
Evaluati	Quarter	11th 12th 13th 14th 15th 16th	Application for ph Application for ph High Performance High Performance Final Examination Checking the Fina	iysics iysics e Computing (HPC e Computing (HPC 1	C P) F) G F C C	Computational Programming for IPC for numeri GPGPU calculat Final Examinati	Fluid Dynamics (C or CFD cal simulation ion on	5)
	ion Me	11th 12th 13th 14th 15th 16th	Application for pr Application for pr High Performance High Performance Final Examination Checking the Fina Weight (%)	Nysics Provide Computing (HPC Computing (HPC Computing (HPC Nation Al Evaluation Mutual Evaluations between	C P) F) G F C Behavior	Computational Programming for IPC for numeri GPGPU calculat Final Examinati Checking the Fi	Fluid Dynamics (C or CFD cal simulation ion on nal Evaluation	5) CFD)
Evaluati Subtotal Basic Abil	ion Me	11th 12th 13th 14th 15th 16th thod and	Application for pr Application for pr High Performance High Performance Final Examination Checking the Fina Weight (%) Presentation	Nysics Nysics E Computing (HPC Computing (HPC E Computing (HPC Mutual Evaluation Evaluations between students	C P P D C F D C Behavior	Computational Programming for IPC for numeri SPGPU calculat Final Examinati Checking the Fi Portfolio	Fluid Dynamics (Cor CFD cal simulation ion on nal Evaluation	S) CFD) Total
Subtotal	Quarter	11th 12th 13th 14th 15th 16th thod and v	Application for pr Application for pr High Performance High Performance Final Examination Checking the Fina Weight (%) Presentation 100	ysics aysics Computing (HPC Computing (HPC Al Evaluation Mutual Evaluations between students 0	C P) F) G F C Behavior 0 0	Computational Programming for IPC for numeri SPGPU calculat Final Examinati Checking the Fi Portfolio	Fluid Dynamics (Cor CFD cal simulation on nal Evaluation Other	S) CFD) Total 200

Тс	oyama (College	Year	2020		Course Title	Intelligent Inf Processing	ormation
Course	Informa	ation						
Course Co		0017			Course Category	· · ·	zed / Elective	
Class Forr	nat	Lecture			Credits	Academ	ic Credit: 2	
Departme	ent	Control I Course	Information Syste	ms Engineering	Student Grade	Adv. 1st	-	
Term		Second S	Semester		Classes per Wee	ek 2		
Textbook Teaching								
Instructor			Shunsuke					
Course	Obiecti							
Through t	this cours	e, understar	nding of the follow ogic, Genetic Algor	ving will be facilita rithm, Reinforcem	ted. ent Learning and	Neural Netwo	rk	
Rubric					1		1	
			Ideal Level of A (Very Good)	Achievement	Standard Level ((Good)	of Achievemen	t Unacceptable L Achievement (F	
Evaluation	n 1		Clearly undersi overview of Fu displays the ab advanced prog fuzzy logic.	tands the zzy logic, and illty to make an ram containing	Ability to explair and concept of F displays the abil program contair	uzzy logic, an ity to make a	d Unable to expla and concept of	in the overview Fuzzy logic.
Evaluation	n 2		Clearly underst overview of Ge and displays th an advanced p	netic Algorithm, ne ability to make	Ability to explain and concept of C Algorithm, and c ability to make a containing Gene	Genetic displays the a program		in the overview Genetic
Evaluation	n 3		Clearly undersi overview of Re Learning, and ability 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.	the overview Reinforcement splays the program		in the overview Reinforcement
Evaluation	n 4		Clearly underst overview of Ne and displays th an advanced p containing Neu	eural Network, ne ability to make program	Ability to explain and concept of N and displays the a program conta Network.	Neural Networl ability to mak	Unable to expla	in the overview Neural Network.
Assigne	d Depa	rtment Ob	ojectives				·	
Teachin	a Meth	od						
Outline		In this c	ourse, you will lea	arn about the princ	ciples and fundam	nental techniqu	ues required for So	ft Computing.To
			, , ,	enetic Algorithm, se through lecture		earning and Ne	eural Network.	
Style Notice				requires 60 points				
Course	Plan	11101000	ignición or cicule i		of more racing.			
Course			Theme		0	Goals		
		1st	Guidance				uss the goals and	structure of this
						course.	a dataila af tha Cai	t Commuting
		2nd 3rd	Soft Computing Fuzzy logic -1-				e details of the Sol e details of the Fuz	
		4th	Fuzzy logic -2-				signing and impler	
	3rd Quarter		, 5			uzzy logic.		-
	_	5th 6th	Exercise Genetic Algorithm	- 1		Exercise	a dataila of the Co	actic Algorithm
							e details of the Ge signing and impler	5
		7th	Genetic Algorithm	n -2-	Ċ	Genetic Algorit	hm.	
2nd Semeste		8th	Exercise			Exercise		
r		9th	Reinforcement Le	earning -1-		_earn about th _earning.	e details of the Rei	nforcement
		10th	Reinforcement Le	earning -2-	L	_earn about de Reinforcement	signing and impler Learning.	menting the
		11th	Exercise			Exercise		
	4th Quarter	12th	Neural Network -	1-			e details of the Ne	
		13th	Neural Network -	2-	L	_earn about de Neural Networ	signing and impler	menting the
		14th	Exercise			Exercise		
		15th	Final Examination	۱ <u> </u>		Final Examinat	ion	
		16th	Checking the Fina	al Evaluation	(Checking the F	inal Evaluation	
<u>Evalua</u> ti	ion Met	hod and V	Veight (%)					·
		amination	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

Тс	oyama	College	Year	2020		Course Title	Advanced App Mathematics	blied
Course 1	Inforn	nation			1	F		
Course Co	ode	0018			Course Category	y Specializ	ed / Compulsory	
Class Forn	nat	Lecture			Credits	Academi	c Credit: 2	
Departme	ent	Course	Information System	ms Engineering	Student Grade	Adv. 1st		
Term		First Sei	mester		Classes per Wee	k 2		
Textbook Teaching	Materia	ls						
Instructor		Sakurai	Hideto					
1) unders	mpletior tand an	n of this cours d carry out fu d carry out fu	se, students will be undamental calcula undamental calcula undamental calcula	ations on gamma ations on Bessel fu	inction correctly.		ctly.	
Rubric								
			Ideal Level of A (Very Good)	Achievement	Standard Level o (Good)	of Achievement	Unacceptable L Achievement (F	
Evaluatior	n 1		to carry out fur	gamma function	out fundamental	l calculations ó	and is unable to	Iculations on
Evaluatior	n 2		to carry out fur	ands, and is able ndamental Bessel function.	Ability to unders out fundamental Bessel function.		and is unable to	Iculations on
Evaluatior	n 3		Clearly underst to carry out fur calculations on function.		Ability to unders out fundamental Legendre functio	l calculations ó	and is unable to	lculations on
		artment Ol	bjectives					
Teachin Outline	g Met	In this c Bessel f	course, students w unction, and Leger plications to engin	ndre function. And	, students will m	, specifically: g ake basics calc	amma function, b ulations of special	eta function, functions and
Style			and exercises	leering and physic				
Notice		This cou	Irse uses mathema ognition of credit r					
Course I	Dlan			equires of points	or more racing.			
			Theme		0	Goals		
		1st	Guidance		(uss the goals and	structure of this
		2nd	Basic Calculus -1-		F		ic of differential ar	nd integral
		3rd	Basic Calculus -2-		F		ic of differential ar	nd integral
	1st Quarte	r 4th	Therory of function	n	F		ic of the theory of	a complex
		5th	Series expansion				ic of series expans	ion.
		6th	Gamma function	-1			ition of the gamma	
		7th	Gamma function	-2-			property of the ga	
1st Semeste		8th	Beta function		L		ition and basic pro	
r		9th	Orthogonal functi	ons			ition of the orthog	onal function.
		10th	Bessel function			earn the defin unction.	ition and basic pro	perty of Bessel
		11th	Legendre functior	ı - 1 -	L	earn the defin	ition of Legendre f	unction.
	2nd	12th	Legendre functior	ı -2-			property of Leger	
	Quarte	r 13th	Differential equat	ions -1-		earn the basic	applications to dif	ferential
		14th	Differential equat	ions -2-	L	earn the basic	applications to dif	ferential
		15th	Final examination			inal examination	on.	
		16th	Summary		9	Summarize the	study content and	l confirm grades.
Evaluati	ion Me	thod and \	Weight (%)		·			
		Examination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total
Subtotal	·	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

Toyama College				Year			ourse Title	Advanced Applied Physics		
Course Information										
Course Co	ode	0019			Course Categor	ry Specialized		ed / Compulsory		
Class Format Lecture						Credits		Academic Credit: 2		
Department Control In Course			nformat	tion Syster	ms Engineering	Student Grade	ade Adv. 1st			
Term First Seme			nester			Classes per Week 2		2		
Textbook Teaching	and/or Materials	reference	e:「量 ⁻	:「量子力学・統計力学入門」星野公三・岩松雅夫 共著(裳華房)						
Instructor	r	Ohtake Y	ukiko							
Course Objectives										
The course treats the basis of quantum mechanics and statistical mechanics. On completion of the course the student shall be able										
 to: 1. calculate energy, wave function and existence probability of particles confined in potential wells by solving Schrödinger's equation. 2. calculate transmission and reflection probability of particle incident to step-wise potential barriers by solving Schrödinger's equation. 3. caluculate entropy, temperature and pressure by using microcanonical ensemble. 4. caluculate energy and pressure by using canonical ensemble. 										
Rubric										
				l Level of A y Good)	chievement	Standard Level of Achievem (Good)			Unacceptable Level of Achievement (Fail)	
Evaluation	n 1		funct proba	tion and ex ability of pa tential wel	ate energy, wave istence articles confined Is by solving equation when ave finite height.	One can calculate energy, wave function and existence probability of particles confined in potential wells by solving Schrödinger's equation when the well walls have infinite height.			· · ·	
Evaluation 2			and r partic barrie	reflection p cle incident ers of finite	ate transmission probability of t to potential e width by nger's equation.	ismission One can calculate and reflection pro ential particle incident to by potential barriers			One cannot calculate transmission and reflection probability of particle incident to step-wise potential barriers by solving Schrödinger's equation.	
Evaluation	n 3		temp using	One can caluculate entropy, temperature and pressure by using microcanonical ensemble in various cases.			nd pres onical free pa	sure by ensemble		
Evaluation	n 4		press	can calucu sure by usi mble in va	One can caluculate energy and pressure by using canonical ensemble in the cases of free particles and harmonic oscillators.		ionical s of free	One cannot caluculate energy and pressure by using canonical ensemble.		
Assigned Department Objectives										
Teaching Method										
Outline The course treats the basis of quantum mechanics and statistical mechanics which are essential to understand modern technology such as nanotechnology and cryogenic technology.										
Style The sched			dule of	lule of this lecture might be slightly changed so that students can easily follow. Student masters this rough lectures and seminar.						
Notice		The final	grade v	grade will be calculated according to the following process: reports(40%) and term-end on(60%). The recognition of credit requires 60 points or more rating.						
Course Plan										
Theme Goals										
1st Semeste r				particle dua	ality		guidance, Compt		ton scattering, photons, de	
	1st Quarter		, , , , , , , , , , , , , , , , , , , ,				Broglie waves, double-slit experiment wave function, Hermitian operator, commutation relation, Schrödinger's equation			
			Framework of quantum mechanics				superposition principle, uncertainty principle			
			Schrödinger's equation 1				particles confined in potential wells (lecture)			
			Schrödinger's equation 2			·		ed in potential wells (seminar)		
			Schrödinger's equation 3				particle incident to step-wise potential barriers			
			Schrödinger's equation 4				particl	(lecture) particle incident to step-wise potential barriers		
			Schrödinger's equation 5					(seminar) particle incident to potential barriers of finite width, harmonic oscillator (lecture)		
			Statistical mechanics 1				microcanonical ensemble (lecture)			
	2nd Quarter		Statistical mechanics 2				microcanonical ensemble (lecture)			
			Statistical mechanics 3				canonical ensemble (lecture)			
			Statistical mechanics 3					anonical ensemble (lecture)		
			Statistical mechanics 5					grandcanonical ensemble (lecture)		
			Statistical mechanics 5				grandcanonical ensemble (seminar)			
			Term-end examination				9.0100	canonical		

	16th	16th Checking the final grade								
Evaluation Method and Weight (%)										
	Examinatio	n Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total			
Subtotal	60	0	0	0	40	0	100			
Basic Ability	60	0	0	0	40	0	100			
Technical Ability	0	0	0	0	0	0	0			
Interdisciplin y Ability	ar ₀	0	0	0	0	0	0			

Тс	oyama C	ollege	Year	2020		Course Title	Seminar on Mathematics and Physics Application		
Course	Informa	tion							
Course Co		0020			Course Catego	<i>·</i>	zed / Elective		
Class For	mat	Lecture			Credits	Academ	ic Credit: 2		
Departme	ent	Control I Course	nformation Syste	ms Engineering	Student Grade	Adv. 1st	t		
Term		Second S	Semester		Classes per We	eek 2			
Textbook Teaching									
Instructor		Ito Nao							
Course	Objectiv	es							
transform	۱.						Fourier transform and Laplace d special functions.		
Rubric									
			Ideal Level of A	Achievement	Standard Level	of Achievemen	t Unacceptable Level of Achievement (Fail)		
Evaluation	n 1		Can properly u definition and t Fourier transfo	rm, Laplace special functions,	Can understand and the nature transform, Lap	lace transform octions, and can	Cannot understand the definition and the nature of Fourier transform, Laplace		
Evaluatio	n 2		Can properly u techniques for	gineering field,	Can use mathe techniques for problems in en can solve funda		Cannot use mathematical techniques for physical problems in engineering field, cannot solve fundamental problems.		
Assigne	gned Department Objectives								
Teachin	ig Metho	d							
Outline		Mathema focus on	tics and physics are important for acquiring technic exercise for calculating equations of mathematics a			cal knowledge of and physics.	of engineering. This course will		
Style		In the m	athematics part, n and special fund	students will learr	about the defir	nition and the na hysics part, stud	ature of Fourier transform, Laplace dents will learn about classical nematical knowledge to them.		
Notice		Instead of focus on question should w	of memorizing the understanding the s whenever they ork on exercise e	nemorizing the mathematics and the physics knowledge, students are encouraged to stu derstanding the basic ways of thinking. Instead of being passive, students are expected t henever they do not understand something. Because this course focuses on exercise, stu on exercise each class in the way of self-learning. cion of credit requires 60 points or more rating.					
Course	Plan	11101000	<u>g</u>		<u>oo. o ratg.</u>				
			Theme			Goals			
		1st	The lecture ma to students. Stud mathematics that	dance and review for mathematics			rential equations treated in this		
		2nd		(1) the definition of F w to calculate the		Can explain Fo its fundamenta	urier series expansion and calculat Il problems.		
		3rd	Fourier transform Students learn equations using F	to solve partial dif	ferential	Can solve parti Fourier series.	ial differential equations using		
	3rd	4th	Fourier transform Students learn series to Fourier t	the expansion from	m Fourier	Can explain the Fourier transfo	e expansion from Fourier series to rm.		
2nd Semeste r	te Sth Fourier series and Riemann zeta Students learn the definition of function and how to calculate pa Riemann zeta function using Par- that is from Fourier series.		the definition of R to calculate partic action using Parses	iemann zeta cular values of	function, and c	e definition of Riemann zeta can calculate particular values of function using Parseval's equation urier series.			
		6th	Exercise	on exercises relat	ed to problems				
		7th	Laplace transform Students learn transform as exp	n (1) the definition of L ansion from Fourie	aplace er transform.		ne definition of Laplace transform a n Fourier transform.		
		8th	Laplace transforn Students learn transform.	ו (2) how to calculate L	aplace	Can calculate L functions.	aplace transform for fundamental		
	4th	901	Students learn	aplace transform (3) Students learn Laplace inverse transform.			Can calculate Laplace inverse transform for fundamental functions.		
	Quarter	10th	Laplace transforn Students learn equations using L	ו (4) how to solve diffe aplace transform.	rential	Can solve diffe transform	rential equations using Laplace		

		11th	Laplace transform Students learn h equations from pr using Laplace tran	now to solve diffe oblems of engine		Can solve differential equations from problems of engineering field using Laplace transform.			
		12th	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.			
		13th	Application of spec physics Students learn t using Riemann zet function.	o solve problems	of physics	Can solve physics problems using Riemann zeta function and Gamma function.			
		14th	Exercise Students work of from Week 7 to W	on exercises relati /eek 13.	ed to problems				
		15th	Exercise Students work of from Week 7 to W	on exercises relati /eek 13.	ed to problems				
		16th	Final Exam						
Evaluati	on Me	thod and V	Veight (%)						
	ł	Examination Presentation Behavior students Behavior				Portfolio	Other	Total	
Subtotal	-	70 0 0 0		0	30	0	100		
Basic Abili	ty 35 0 0 0			0	15	0	50		
Technical Ability	-	35 0 0 0				15	0	50	

Toyama Col	lege	Year	2020		Course Title	Advanced Experiments	
Course Information	on						
Course Code	0021			Course Category	Specialize	ed / Compulsory	
Class Format	•	/ Practical train		Credits	Academic	: Credit: 2	
Department _	Course	ormation Syster	ns Engineering	Student Grade	Adv. 1st		
Term	First Seme	ster		Classes per Week	2		
Textbook and/or Teaching Materials							
Instructor	Shina Toru Tsukasa,Yo	,Akiguchi Shuns shii Yotsumi,Fu	suke,Matoba Ryuio ruyama Shoichi	chi,Oguma Hiroshi,	Tsukada Akira	a,Ito Nao,Mizumoto Iwao,Aso	
Course Objectives	5						
Through efforts to the can summarize and an Rubric	e task, you o nnounce the	an understand acquired techr	the expertise and nical knowledge.	evaluation metho	d concerning s	system construction. In addition, it	
		Ideal Level of A	chievement	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 includ prospects?	(5) Discussion	It is an item str not excessive o is extremely ea understand.	r insufficient and	It has a reasonab composition.	le item	There is a big deficiency in item composition.	
(Research 2) Is senter expression and chart of appropriate?	dicplov I	Is sentence exp diagram display		Texts and charts expressed and dis there are problem them, but sentenare generally exp displayed in a ma appropriate.	splayed, but is in some of ces and charts ressed and	Many sentences and charts are inappropriate expressions and displays.	
(Research 3) Is the ba and purpose properly described?	5	The background are described in manner without deficiency.	n a very clear	The background a are properly desc		The background and purpose are not properly described.	
(Research 4) Is the m means appropriate?		The method / n applied is the o		Alternatively, it is appropriate and new.		The method / means used / applied is not appropriate.	
(Research 5) Is logica development appropri		Very clearly, the developed.	e logic is	Although there are some problems, it is almost logically developed.		It is not logically deployed.	
(Research 6) Are critic rational thinking made	cal and e use of?	Discussion that rational though utilized was des	t was fully	Critical, consideration based on rational thinking, etc. are described.		There is absolutely no consideration based on critical and rational thinking.	
(Study 7) Is the result consideration on the v progress reasonable?	vay of	Very clear, reasonable consideration, results have been results have been described.		deration, drawn and	There is no reasonable consideration, results.		
(Research 8) Do you I proposed research pla future and have concr procedures reviewed? the problems and the planning done organiz	nave a In for the Tete Also, are like in	The research plan has been adequately studied, and problems in planning are		Research plans ar studied, and the p problems in resea are shown.	baths and their	^r It is not a valid research plan.	
(Presentation 1) (1) Background, (2) Obje Method / Means, (4) ((5) Results and Discus Obtained · Items of th Perspective included?	ctives, (3) Contents, ssion ne Future	There was no e deficiency, and structure which easy to underst	it was an item was extremely	It was a reasonat composition.	ole item	There was a big deficiency in item composition.	
(Presentation 2) Were sentence expression c media and the chart c proper?	of the	Text and charts and displayed v	were expressed ery easily.	Texts and charts expressed and dis there was a probl them, but senten were almost prop and displayed.	splayed, but em in some of ces and charts		
(Presentation 3) Was development of oral presentation reasonal		Very clearly, the developed.	e logic had been	It was logically de	eployed.		
Assigned Departn		ctives					
Teaching Method							
Outline	Ability to sy Ability to w	stematically wo	ork and systemati With common co	ng various science cally under the giv nstraints, individua	en constraints	nd information, , an systematically promote PJs to	
Style	Students w	•	s related to syste	m construction, th	rough experin	nents, solving issues and	
Notice	Omnibus fo						
Course Plan	Course Plan						
Theme Goals							

		-									
		1st	Natural Language	Processing		method) By C	<y method,="" syn<br="">re is dictionary i</y>	ar by computer (CKY tactic analysis can rule of Chomsky			
		2nd	Natural Language	Processing		ańalysis (char	By the exercise chart method of grammar analysis (chart method) by the computer, it is possible to parse if there is a dictionary rule.				
		3rd	Natural Language	Processing		method and e	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 Quarter	4th	Natural Language	Processing		system by CK (Summary) Th	vantages, čalcu	ntactic analysis hart method of CKY method, chart lation amount, etc.			
		5th	System Design			Designed by P used.	SoC PSoC devic	es and tools can be			
		6th	System Design				nalog block of F	SoC device can be			
1st Semeste		7th	System Design			Designed by P can be used.	SoC Digital bloc	k of PSoC device			
r		8th	System Design			Designed by PSoC Microcomputer block of PSoC device can be used.					
		9th	Learning Algorith	earning Algorithms			You can explain the outline of Genetic Algorithm.				
		10th	Learning Algorith	ms				aveling Salesman m by using Genetic			
		11th	Learning Algorith	rithms			s the advantag	Genetic Algorithm, es and			
	2nd Quarter	12th	Numerical Method	chod		on Image Prod	OpenCV Foundation (Image Processing) Guidance on Image Processing and Pattern Recognition You can explain the outline of OpenCV.				
		13th	Numerical Method	1		can be installe	OpenCV foundation (image processing) OpenCV can be installed and basic image processing can be performed.				
		14th	Numerical Method	1		OpenCV application (pattern recognition) It is possible to explain image analysis / pattern recognition by OpenCV.					
		15th									
		16th									
Evaluati	ion Met	nod and	Weight (%)								
	Ex	amination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total			
Subtotal	0		100	0	0	0	0	100			
Basic Abil	ity 0			0	0	0	0	20			
Technical Ability	0	0 80 0 0		0	0	0	80				
Interdiscip y Ability	plinar 0	0 0 0 0				0	0	0			

Тс	Toyama College		Year	2020		Course Title	Advanced Ex	periments
Course	Informa	tion						
Course Co	ode	0022			Course Categor	y Speciali	zed / Compulsory	
Class For	mat		ent / Practical trai		Credits	Academ	nic Credit: 2	
Departme	ent	Course	Information System	ms Engineering	Student Grade			
Term		Second S	Semester		Classes per We	ek 2		
Textbook Teaching								
Instructor	r	Tsukada	Akira, Ito Nao, Miz	umoto Iwao,Aso ⁻	Tsukasa,Yoshii Y	otsumi		
Course	Objectiv	'es						
is possible	challenges e to summ	, it is possib arize and p	ble to understand bublish the acquire	technical expertised technical knowledge	e and evaluation edge.	n methods for t	he development o	f systems. And, it
Rubric			1		1			
			Ideal Level of A (Very Good)	Achievement	Standard Level (Good)	of Achievemer	nt Unacceptable I Achievement (
Have a de solve the	esign capa problem.	bility to	and information respond to the	wide perspective	Have specialize that can meet t society.	d technologies the demands o	f Do not have te meets the den	echnology that hands of society.
Have the PJ.	ability to	perform the	The team or th systematically the constraint a		The team or th proceed with P. within the limit	J systematically	The team or the proceed system within the limit	ne person cannot natically with PJ ts.
The ability to resolve issues an publish the results of the efforts.			The backgroun the problem, in trends in the re can be underst explained to ot	elevant areas, ood and easily	The background the problem are understood, an explained easily	e almost d it can be	background or problem, and o	purpose of the cannot explain it
Assigne	d Depar	tment Ob	jectives		•			
Teachin	ig Metho	d						
Outline		Through	the experiments,	the expertise of e	electronics and in	nformation tech	nnology will be ent	nanced. We will
Style			ance our ability to ents are conducte		TOUGHT OUT LASKS.			
Notice			lit approval require		points.			
Course	Plan							
			Theme			Goals		
		1st	Instrumentation a	amplifier training		and a specific	tation amplifier ca circuit can be asse	mbled.
		2nd	Analog filter (lowp	bass high pass) ex	kercise	and a specific	(high-pass) filter c circuit can be asse	mbled.
		3rd	Analog filter (noto	ch) training		circuit can be	r can be described assembled.	, and a specific
	3rd Quarter	4th	Analysis of data a method 1	nalysis using stati	istical analysis	The statistical analysis method can be explained.		
	Quarter		Analysis of data a method 2	nalysis using stati	istical analysis	A statistical analysis method can be used to perform basic data analysis.		
		6th	Analysis of data a method 3	nalysis using stati	istical analysis	The statistical analysis method can be used to analyze the application data.		
			Hands-On Experie	ence with IoT Dev	ices 1		can be explained.	
2nd Semeste		8th	Hands-On Experie	ence with IoT Dev	ices 2	You can exper IoT device.	iment with the bas	sic features of an
r		9th	Hands-On Experie	ence with IoT Dev	ices 3	You can exper functionality o	iment with the app f an IoT device.	plication
			Phase sensitive ar	1 3		The phase sen	sitive amplifier cai	n be explained.
			Simulation of the the noise	simulation of sign	als buried in	Signal detection	n in the noise is p	ossible.
			Training of weak	signal detection s	ystems	Detection of a	weak signal is pos	sible.
4th 13th Data collec				d analysis exercis	e of sensing	The sensing de	evice and the data	
Quarter 13th device 1 14th Data collection and analysis ex device 2						explained. The experimer sensing device	nt of element techi is and data collecti	nology concerning on can be carried
		15th	Data collection an device 3	d analysis exercis	e of sensing	out. The sensing de can be constru	evice and the data	collection system
			Occasional date					
Evaluat	ion Meth	1						
Evaluation Method and Weigl Examination Pre			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	ollege	Year	2020			Advanced Seminars and Exercises
Course Informat	ion	·				
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 Shuns Shii Yotsumi,Fu	suke,Matoba Ryuio Iruyama Shoichi	chi,Oguma Hiroshi,	Tsukada Akira,	a,Ito Nao,Mizumoto Iwao,Aso
Course Objective	S					
Through efforts to th can summarize and a	e task, you o announce the	can understand e acquired tech	the expertise and nical knowledge.	evaluation metho	d concerning s	system construction. In addition, i
Rubric				1		1
		Ideal Level of A	Achievement	Standard Level of	Achievement	Unacceptable Level of Achievement)
(Research 1) (1) Bac (2) Objectives, (3) M Means, (4) Contents Obtained Results and - Does the item inclu prospects?	, (5) Discussion	It is an item str not excessive o is extremely ea understand.	or insufficient and	It has a reasonab composition.	le item	There is a big deficiency in item composition.
(Research 2) Is sent expression and chart appropriate?	ence display	Is sentence ex diagram displa	pression and y appropriate?	Texts and charts expressed and dis there are problem them, but senten are generally exp displayed in a ma appropriate.	splayed, but is in some of ces and charts ressed and	Many sentences and charts are inappropriate expressions and displays.
(Research 3) Is the band purpose properly described?		The backgroun are described in manner withou deficiency.	n a very clear	The background and purpose		The background and purpose are not properly described.
(Research 4) Is the r means appropriate?	nethod /	The method / r applied is the c	means used / optimal level.	Alternatively, it is appropriate and new.		The method / means used / applied is not appropriate.
(Research 5) Is logic development approp		Very clearly, th developed.	ie logic is	Although there are some problems, it is almost logically developed.		It is not logically deployed.
(Research 6) Are crit rational thinking mad	ical and le use of?	Discussion that rational though utilized was de	nt was fully			There is absolutely no consideration based on critical and rational thinking.
(Study 7) Is the resu consideration on the progress reasonable	way of	Very clear, reas consideration, drawn and des	results have been	Reasonable consideration, results have been drawn and described.		There is no reasonable consideration, results.
(Research 8) Do you proposed research p future and have com procedures reviewed the problems and the planning done organ	an for the crete ? Also, are e like in	problems in planning are		Research plans are being studied, and the paths and their problems in research execution are shown.		
(Presentation 1) (1) Background, (2) Obj Method / Means, (4) (5) Results and Disc Obtained · Items of t Perspective included	he Future	There was no e deficiency, and structure which easy to unders	it was an item n was extremely	It was a reasonat composition.	ble item	There was a big deficiency in item composition.
(Presentation 2) Wer sentence expression media and the chart proper?	of the	Text and charts and displayed v	s were expressed very easily.	Texts and charts expressed and dis there was a probl them, but senten were almost prop and displayed.	splayed, but em in some of ces and charts	and dicplaye
(Presentation 3) Was development of oral presentation reasona		Very clearly, th developed.	e logic had been	It was logically de	eployed.	
Assigned Depart	ment Obje	ectives				
Teaching Method						
Outline	Design abil Ability to s Ability to w	vstematically w ork with teams	ork and systemati With common co	ng various science cally under the giv nstraints, individua	en constraints	nd information, , an systematically promote PJs to
Style	Students w	express creative will be given task the results of	ks related to syste	m construction, th	rough experin	nents, solving issues and
Notice	Omnibus fo		CICIE WOLK			
Course Plan						
	Тн	eme		C/	oals	

		-									
		1st	Natural Language	Processing		method) By C	<y method,="" syn<br="">re is dictionary i</y>	ar by computer (CKY tactic analysis can rule of Chomsky			
		2nd	Natural Language	Processing		ańalysis (char	By the exercise chart method of grammar analysis (chart method) by the computer, it is possible to parse if there is a dictionary rule.				
		3rd	Natural Language	Processing		method and e	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 Quarter	4th	Natural Language	Processing		system by CK (Summary) Th	vantages, čalcu	ntactic analysis hart method of CKY method, chart lation amount, etc.			
		5th	System Design			Designed by P used.	SoC PSoC devic	es and tools can be			
		6th	System Design				nalog block of F	SoC device can be			
1st Semeste		7th	System Design			Designed by P can be used.	SoC Digital bloc	k of PSoC device			
r		8th	System Design			Designed by PSoC Microcomputer block of PSoC device can be used.					
		9th	Learning Algorith	earning Algorithms			You can explain the outline of Genetic Algorithm.				
		10th	Learning Algorith	ms				aveling Salesman m by using Genetic			
		11th	Learning Algorith	rithms			s the advantag	Genetic Algorithm, es and			
	2nd Quarter	12th	Numerical Method	chod		on Image Prod	OpenCV Foundation (Image Processing) Guidance on Image Processing and Pattern Recognition You can explain the outline of OpenCV.				
		13th	Numerical Method	1		can be installe	OpenCV foundation (image processing) OpenCV can be installed and basic image processing can be performed.				
		14th	Numerical Method	1		OpenCV application (pattern recognition) It is possible to explain image analysis / pattern recognition by OpenCV.					
		15th									
		16th									
Evaluati	ion Met	nod and	Weight (%)								
	Ex	amination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total			
Subtotal	0		100	0	0	0	0	100			
Basic Abil	ity 0			0	0	0	0	20			
Technical Ability	0	0 80 0 0		0	0	0	80				
Interdiscip y Ability	plinar 0	0 0 0 0				0	0	0			

Тс	Toyama College		Year	2020			Course Title	Advanced Se Exercises	minars and
Course	Informa	tion	· · · · · · · · · · · · · · · · · · ·						
Course Co	ode	0024				Course Category	y Speciali	zed / Compulsory	
Class For	mat	Seminai				Credits	Academ	ic Credit: 2	
Departme	ent	Course	Information Syst	tems Engineerir	ng	Student Grade	Adv. 1s	t	
Term	17	Second	Semester			Classes per Wee	ek 2		
Textbook Teaching									
Instructor	r	Tsukada	a Akira,Ito Nao,M	lizumoto Iwao,/	Aso T	Tsukasa,Yoshii Yo	otsumi		
Course	Objectiv	'es							
Through o is possible	challenges e to summ	, it is possi arize and p	ble to understan publish the acqui	d technical expo red technical kr	ertise nowle	e and evaluation edge.	methods for t	he development o	f systems. And, i
Rubric						I		-	
			(Very Good)	f Achievement		Standard Level ((Good)	of Achievemer	t Unacceptable Achievement (
Have a de solve the	esign capa problem.	bility to	and informat respond to th	nce and technol- ion, it is possibl ne demands of a wide perspect d expertise.	e to	Have specialized that can meet the society.	d technologies he demands o	f Do not have to meets the den	echnology that nands of society.
Have the PJ.	ability to	perform the	The team or systematicall the constrain	the person can y advance the F t and express the em and express	⊃] in he	The team or the proceed with PJ within the limits	systematically		ne person cannot matically with PJ ts.
The ability to resolve issues an publish the results of the efforts.			nd the problem, trends in the	Ind and purpose including the relevant areas, stood and easile others.	,	The background the problem are understood, and explained easily	almost d it can be	background or problem, and	purpose of the cannot explain it
Assiane	d Depar	tment Ol				I			
	ig Metho								
Outline	<u>.</u>	Through	n the experiment nance our ability	s, the expertise	e of e is thr	electronics and in ough our tasks.	formation tech	nnology will be enl	nanced. We will
Style			ents are conduc						
Notice		The cree	dit approval requ	ires more than	60 p	ooints.			
Course	Plan		T						
			Theme				Goals		
		1st	Instrumentatior	n amplifier train	ing	i	and a specific	tation amplifier ca circuit can be asse	mbled.
		2nd	Analog filter (lo	wpass high pas	s) ex		and a specific	(high-pass) filter c circuit can be asse	mbled.
		3rd	Analog filter (no	otch) training			circuit can be a	r can be described assembled.	i, and a specific
	3rd	4th	Analysis of data method 1	analysis using	stati	stical analysis	The statistical analysis method can be explained		
	Quarter	5th	Analysis of data method 2	analysis using	stati	stical analysis	A statistical analysis method can be used to perform basic data analysis.		
		6th	Analysis of data method 3	analysis using	stati	stical analysis	The statistical	an be used to	
		7th	Hands-On Expe	rience with IoT	Dev			plication data. an be explained.	
2nd		8th	Hands-On Expe			icos 2		iment with the ba	sic features of ar
Semeste r		9th	Hands-On Expe	rience with IoT	Dev	icos 2	You can exper	iment with the ap	olication
		10th	Phase sensitive	amplifier trainir	ng		1	sitive amplifier ca	n be explained.
		11th	Simulation of th	1		alc buried in	•	n in the noise is p	
		12th	the noise	k cianal datacti	00.0		-		
	4th	Training of wea Data collection					weak signal is pose evice and the data		
Quarter 15th device 1							explained.		
		14th	Data collection device 2	and analysis ex	ercis	e of sensing	sensing device out.	nt of element tech s and data collect	on can be carrie
		15th	Data collection device 3	•	ercis		The sensing de can be constru	evice and the data icted.	collection syste
		16th	Occasional date						
Evaluat	ion Meth	nod and \	<u>Veight (%)</u>				1		
Examination Presentation			Mutual Evaluations between		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

Тс	Toyama College Course Information ourse Code 0025			Year	2020		Course Title	Internship	ъВ	
Course	Inform	natior	า							
						Course Categor	v Special	ized / Elective		
Class Forr	mat	E	xperimer	nt / Practical trai	nina	Credits	<i>·</i>	nic Credit: 3		
Departme		С		formation System			Adv. 1st			
Term			irst Seme	ester		Classes per We	Week 3			
Textbook	and/or									
Teaching Instructor	Matéria	s	uruvama	Shoichi,Hseqaw	a Hiroshi,Kyoden	Tomoaki				
Course					, ,					
(Learning engineerii	educati	on goa	e abilitv t	o keep capturing	ation criteria) a, l g phenomena fror riendly to the ear lated companies	n an internation	al perspective	(a. g.). A goal	nd information is to judge not only or that purpose, we	
Rubric										
				Ideal Level of A	Achievement	Standard Level	of Achieveme	nt Unaccepta Achieveme	ble Level of ent)	
Understanding International Cultures				Enough unders communication countries.	tandings with at foreign	Understandings culture.	s to internatior	nal Not under	standings to nal culture.	
Evaluation	Evaluation 2									
Evaluation	13									
Assigne	d Dep	artme	ent Obi	ectives						
Teachin										
Outline	9	(;	a, ġ) Explain s		onal issues includi	-	-	-	mation engineering. neering from an	
Style		H C	low to pr comprehe	oceed and contensively based or	ents of lessons · M n the presentation	lethod: 1 (about 70%) ai	nd the report (about 30%).		
Notice		ir V	nportant	point:					nd accidents during	
Course	Plan									
			Т	heme			Goals			
		1st		riefing session			significance of inform about	the status of ir I year, attentio	rnships, we will nplementation in the	
		2no	d P	reparing session			We prepare a etc according	n application fo	orm, a pledge form tion form two weeks deadline.	
	1st	3rc	і Т	Fraveling			When traveling overseas for 3 weeks, experience the procedure and connection at the direction o the outgoing school teacher in traveling abroad.			
	Quarte	r 4th	ı i	nternship			Participate in affiliated com	internships at panies. Unders erience throug	universities and their tand different cultures h staying locally and	
1st Semeste r		5th	n R	eporting			After the repo	rt of 5 weeks,	prepare a report and ernship meeting.	
		6th	1							
		7th	1							
		8th	1							
		9th	1							
		10t	th							
		11t	th							
	2nd	12t	th							
Quarter 13th			th							
14th			th							
15th										
16th										
Evaluati	ion Me	thod	and W	eight (%)						
Evaluation Method and Weigl Examination Pre			Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total		
Subtotal)		100		0	0	0	100	
					-	-	-	-		
Subtotal 0 Basic Ability 0			100 40	0 0	0 0	0	0	100 40		

Technical Ability	0	40	0	0	0	0	40
Interdisciplinar y Ability	0	20	0	0	0	0	20

Тс	Toyama College ourse Information		Year	2020		Course Title	Internship A		
Course	Informa	tion							
Course Co	ode	0026			Course Categor	y Specializ	ed / Elective		
Class Forr	mat	Experime	nt / Practical tra	ining	Credits	Academi	c Credit: 2		
Departme	ent	Control Ir Course	formation Syste	ms Engineering	Student Grade	Adv. 1st			
Term		First Sem	ester		Classes per We	eek 2			
Textbook Teaching		internship	implementation	n requirements					
Instructor	-	Yoshii Yot	sumi,Hsegawa I	Hiroshi					
	Objectiv								
ability to	judge and	explain not	re the ability to only from home nore than two w	continuously capt country but also f veeks.	ure events from rom earthly frien	an international dly perspective	perspective, to For that purpos	cultivate the e, we conduct	
Rubric									
			理想的な到達レ	ベルの目安	標準的な到達レイ	ベルの目安	未到達レベルの	目安	
評価項目1			Through partic practical trainin company, it wa grasp, judge a events from ar perspective.	ng at the training as enough to nd explain the	Through partici practical trainin company to be were able to gra- explain the even international per	g at the trained, we asp, judge and nts from an	I could not gra explain the ev international p	asp, judge and ents from an perspective.	
Assigne	d Depar	tment Obj	ectives						
	g Metho								
Outline	<u> </u>	Explain t relations (Explain s	a, q) x000D	onal issues includi			5	nation engineering ing from an	
Style		Evaluate l	by presentation	and report.					
Notice									
Course	Plan								
		Т	heme			Goals			
		1st D	etermining the	Internship Destina		with their host i homeroom tead	vish to take a cla institution, appro ther, applied for i ned permission.		
		2nd P	reparation			Be sure to join disaster insurar	student educatio ice (internship co	nal research ourse).	
		3rd P	reparation			Submit an internship application form and designated pledge to the homeroom teacher.			
	1st Quarter	4th D	uring the intern	ship period		Students engage in internship work and prep daily business records in a predetermined for Also, obtain findings from the work instruction supervisor.			
1st Semeste		5th A	fter the internsh	nip is over			e internship wor mit it to your tea		
r		6th							
		7th							
		8th							
		9th							
		10th							
		11th							
	2nd Quarter	12th							
		13th							
		14th 15th							
		15th 16th							
Evaluati	on Math		aight (0())						
		<u>od and W</u> ♠	eignt (%) 発表	相方款/来	能在	#_ k 7_1	スの曲	Total	
Subtotal	試馬 0	κ	発表 50	相互評価 0	態度 0	<u>ポートフォリオ</u> 50	その他 0	Total 100	
Subtotal 基礎的能力			50	0	0	50	0	100	
<u>奉碇的能力</u> 専門的能力			0	0	0	0	0	0	
分野横断的			0	0	0	0	0	0	
			1~		· ·	•			

Тс	oyama	a Co	llege	Year	2020		Course Title	Japanese L Literature	anguage and	
Course	Inforr	natio	on							
Course Co	ode		0036			Course Categor	y General	/ Elective		
Class For	mat		Lecture			Credits	Academi	ic Credit: 2		
Departme	ent		Control In Course	formation Syster	ms Engineering	Student Grade	Adv. 2nd	ł		
Term			Second Se	emester		Classes per We	ek 2			
Textbook Teaching			handout							
Instructo	r		Kondo Sh	ugo						
Course	Objec	tive	S							
D1JABEE: understar	1(1)d,e nd Japa	,f W nese	/hat's the c modern lit	original? What's t erature and Japa	he difference bet anese culture.	ween the origina	I and the copy?	This course is	intended to	
Rubric										
				Ideal Level of A	Achievement	Standard Level	of Achievemen	t Unacceptabl Achievemen	e Level of t)	
Evaluation 1 pro				You gain the te processing and something		You aware the t processing and something	techniques of making	You don't av of processin something	ware the techniques g and making	
Evaluatio	n 2	You can announce someth very well				You can annour well	nce something	You can't an	inounce	
Evaluation	You gain a deeper					You gain a unde Japanese literat	erstanding of ture and culture	You don't ga understandi literature an	ain any ng of Japanese Id culture	
Assigne	d Dep	bartr	nent Obj	ectives						
Teachin										
Outline	<u>ig 1100</u>		What's the	e original? What' d Japanese mod	s the difference b ern literature and	etween the origi Japanese cultur	nal and the cop	y? This course	is intended to	
Style			Lecture							
Notice				nition of credit re	equires 60 points	or more rating.				
Course	Plan									
course			Т	heme			Goals			
		1		rientation			Orientation			
				ultural Theory			Introduction to	Intertextuality	in literature	
		-	1	ultural Theory			Introduction to	,		
		-		ultural Theory				,		
	3rd Quarte	5			literature Studies		Introduction to intertextuality in literature Generating process on "Run,Möros,run" by Osam Dazai			
	Quarte		ith №	lodern Japanese	odern Japanese literature Studies			Generating process on "Run,Möros,run" by Osam Dazai		
		7	'th №	lodern Japanese	literature Studies		Generating process on "Run,Möros,run" by Osam Dazai			
2nd		8	Bth P	resentation Prac	tice		Presentation Practice			
Semeste r		9	th P	resentation Prac	tice		Presentation Practice			
		1	.0th P	resentation Prac	tice		Presentation Pr	actice		
		1	.1th C	ontemporary Jap	oanese literature	Studies	Pygmalion Thei literature	me of Manipula	tion in Japanese	
	4th		.2th C	ontemporary Jap	oanese literature		Pygmalion Thei literature	me of Manipula	tion in Japanese	
	Quarte		.3th C	ontemporary Jap	oanese literature		Pygmalion Thei literature	me of Manipula	tion in Japanese	
		1	.4th R	eport Writing			Report Writing			
		1	.5th R	eport Writing			Report Writing			
		1	.6th T	erm examinatior	<u></u> ו		Term examinat	ion		
Evaluat	ion Me	etho	d and W	eight (%)						
			nination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total	
Subtotal		75		25	0	0	0	0	100	
		25		25	0	0	0	0	50	
Technical 25		25		0	0	0	0	0	25	
Ability	Ability 25 Interdisciplinar y Ability 25									

	Toyama College		Year	2020		Cour Title		Regional Stud	dies
Course	Informa	tion							
Course Co	ode	0038			Course Category	Ger	neral /	Elective	
Class For	mat	Lecture			Credits	Aca	Idemic	Credit: 2	
Departme	ent	Control Info Course	ormation Syster	ms Engineering	Student Grade	Adv	/. 2nd		
Term		First Seme	ster		Classes per Weel	eek 2			
Textbook		使用しない							
Ieaching	Materials	Yokota Kaz	white						
	0bjectiv		unno						
産業論の基	基礎を学ぶと	ともに,北陸	地域の実状を把握 的に把握すること	屋することに努める ≤をめざしていく。	。特産物や地場産業	や特色ある	る観光資	資源など,地域的	持性を事実として
Rubric									
			理想的な到達レイ	ベルの目安	標準的な到達レベ	ルの目安		未到達レベルの	目安
評価項目1			得した上で、今後	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	戦を習	現代の産業に関 得することがで	する基礎知識を習 きない。
評価項目2	2		富山県や北陸地域の 握している。	の地域事情	青を把	富山県や北陸地 握することがで	域の地域事情を把 きない。		
評価項目3									
		tment Obje	ectives						
Teachin	ng Metho								
Outline		│ 産業論の基 │ 経済活動は	:, まさにグローノ	ことと,近現代以降 バル化してきている	その北陸地域の態様変 5。その大きな動きの 歴史的に検討してみ)なかで,	地域社会	とをねらいとした 会は如何に変化し	科目である。 てきたのか, また
Style		教員単独で調 については、 (北陸経済研	実施による講義形 授業時間外に別 研究・北國TODA	「式を中心とするが」 は実施する予定で、 Y)、全国週刊経済	、演習や地域巡検も ある(半日)。また 結なども学生に分担 ラバスの変更も行う	実施する。 、地元紙 ³ してレビ	,授業時 (北日7	ト・宮山・北陸中	コ) 地元経済誌
		 [授業改善) ①みずからの (休日に認) 	^{表」} の五感で具体的事 まする)に行い	事実を把握・理解で 応学で得た知識を	きるよう、授業時に 「応用」したいと考	配慮したい	ハ。実地	也調査(巡検)を打	受業時及び授業外
	Plan	 ①みずからの (休日に設) ②「近未来の 元企業や特) 	の五感で具体的事 定する)に行い、 の職業選択」に役 定地域を対象とす	セ立つよう、授業時 「るフィールドワー	きるよう、授業時に 「応用」したいと考 に配慮するつもりで ク(実地調査)を実 を浮き彫りにしてい	ある。近7 施するの(午の大学	2などでの文献調	香だけでなく. 地
Notice Course	Plan	 ①みずからび (休日に設定 ②「近未来び 元企業や特定 を同時に動け 	の五感で具体的事 定する)に行い、 の職業選択」に役 定地域を対象とす	セ立つよう、授業時 「るフィールドワー	に配慮するつもりで ク(実地調査)を実 を浮き彫りにしてい	ある。近7 施するの(午の大学	2などでの文献調	香だけでなく. 地
	Plan	①みずからび ①休日に設定 ②「近未来び 元企業や特定 を同時に動力	の五感で具体的事 定する)に行い、 の職業選択象とす 定地域を対象とす いす」作業を通し	セ立つよう、授業時 「るフィールドワー	に配慮するつもりで ク(実地調査)を実 を浮き彫りにしてい G	ある。近 施するの(きたい。 ioals ガイダン 地域を産	王の大学 よそのた ス 業の視	などでの文献調 ためである。こう(雪だけでなく,地 いった「頭と身体 あるないのです。
	Plan	①みずからび ①体日に設定 ②「近未来び 元企業や特定 を同時に動力 Th 1st	の 五感で具体的事 定する)に行い、 の職業選択」に役 定地域を対象とす かす」作業を通し eme	セ立つよう、授業時 「るフィールドワー	に配慮するつもりで ク(実地調査)を実 を浮き彫りにしてい G	ある。近 あ あ す る の に う る l の ら て 、 、 で 、 の に う る の に う る の に う る の の 、 う る の の 、 。 う る の の 、 、 う 、 の の の 、 の う の の の の の の の の	至 の 大 等 て そ の た 、 、 、 、 、 、 、 、 、 、 、 、 、 、 、 、 、 、	きなどでの文献調 こめである。こう(雪だけでなく、地かった「頭と身体 かった「頭と身体 ようった「豆と身体 ないのです。
	Plan	①みずからな (休日に設定 (休日に設定 元企業や特万 を同時に動力 Th 1st は 2nd ●	か 五感で具体的事 定する)に行い、 の職業選択」に役 定地域を対象とす かす」作業を通し eme じめに	立つよう、授業時 るフィールドワー いて,地域社会の姿	に配慮するつもりで ク(実地調査)を実 を浮き彫りにしてい G ・・・ ・ ・ ・	ある。 あるするの(Et ス業観 江 ・ 正 ・ 正 ・ 正 ・ に 、 、 、 、 、 、 、 、 、 、 、 、 、	などでの文献調 こめである。こう(点で学んでいく意 相対的に把握する ・堀岡地区・下村 構成の基本理論	雪だけでなく,地 いった「頭と身体 ないった「頭と身体 ないのです。
		①みずからな (休日に設定 (休日に設定 元企業や特万 を同時に動け 1st は 2nd ● 3rd 産	の 五感で具体的事 定する)に行い、 の職業選択」に役 む地域を対象と通し いす」作業を通し しのに しめに 実地調査(1)	立つよう、授業時 「るフィールドワー 」、て,地域社会の姿	に配慮するつもりで ク(実地調査)を実 を浮き彫りにしてい G ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・	ある。 あるするの((などの) (注) (注) (注) (注) (注) (注) (注) (注) (注) (注	などでの文献調 ためである。こう(点で学んでいく意 相対的に把握する ・堀岡地区・下村 構成の基本理論 林水産業) 工業)	雪だけでなく、地かった「頭と身体 かった「頭と身体 ようった「豆と身体 ないのです。
	Plan 1st Quarter	①みずからび (休日に設定 ②「近未来な 元企業や特定 を同時に動か を同時に動か 1st は 2nd ● 3rd 産 4th 産	の 五感で 具体的事 定する)に行い、 の職業選択 に役 定地域 たず にそ し、 で 大 で 、 で 、 で で 、 で で に で い 、 の で で 、 で で 、 、 の で 、 、 の で 、 、 の で 、 、 の で 、 、 の で 、 、 の で 、 、 の で 、 、 の で 、 、 の で 、 、 の で 、 、 の で 、 、 の で 、 、 の で 、 、 の い 、 の 、 、 の い 、 、 の い 、 の い 、 の い 、 の い 、 の い 、 の い 、 の い 、 の い 、 の い 、 の い 、 の い 、 の い 、 の 、 の に 、 の こ の に 、 の し の に 、 の に 、 の し 、 の こ 、 の に 、 、 の こ 、 の に 、 、 の し 、 、 の こ 、 の に 、 、 、 の こ 、 、 、 の に 、 、 の し 、 、 、 、 の こ 、 の こ 、 の し 、 、 、 の し 、 、 、 の し 、 、 、 、 の し 、 、 、 の し 、 、 、 の し 、 、 、 の 、 、 、 、 、 、 、 の 、 、 、 の 、 、 、 、 、 、 、 、 、 、 、 の 、 、 、 、 、 、 、 、 、 、 、 、 、	立つよう、授業時 「るフィールドワー 」、て,地域社会の姿	に配慮するつもりで ク(実地調査)を実 を浮き彫りにしてい G ・・・ ・ り の の の の の の の の の の を実 の の の の の の の の	あ施き	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	などでの文献調 ためである。こう 点で学んでいく意 に対的に把握する ・堀岡地区・下村 構成の基本理論 林水産業) 工業) ービス業)	雪だけでなく、地かった「頭と身体 かった「頭と身体 ないった「頭と身体 ないのです。 ないのでは、 ない
	1st	 ①みずからび (休日に設定 ②「近未来な 元企業や特定 を同時に動力 Th 1st 2nd 3rd 4th 産ご 5th 	の 五感で具体的事 定する)に行い、 か職業選択」に役 すかす」作業を通し に 他 に や し の し で で で い で で で で で の い で で で で の で で で で の で で で の で で で の で で で の で で で の で で で の で で で の で で で の で で で の で で で の で で で の で で で の で で で の で つ で で で の で つ で つ で つ で つ で で で で で で で で で で で で で	立つよう、授業時 「るフィールドワー 」て,地域社会の姿	に配慮するつもりで ク(実地調査)を実 を浮き彫りにしてい G ・・・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・	あ あ あ た さ る る の の 。 が 地 地 地 地 地 地 地 地 地 地 地 地 地	(Eta) ス業観 江・業 業業 中 を)のその的地 産(()心地大の 視・区 業農 加サ市理	などでの文献調 ためである。こう(点で学んでいく意 1 1 1 1 1 1 1 1 1 1 1 1 1	雪だけでなく、地かった「頭と身体 かった「頭と身体 ようった「豆と身体 ないのです。
	1st	①みずからさ ①休日に設定 ②「近未来で 元企業や特定 元企業や特定 を同時に動力 1st 1st 2nd 3rd 産: 4th 5th 6th	の 五感で具体的事 定する)に行い、 の職業選択す。 では、 では、 の職業選択す。 では、 では、 では、 では、 では、 では、 では、 では、	立つよう、授業時 「るフィールドワー 」で,地域社会の姿	に配慮するつもりで ク(実地調査)を実 を浮き彫りにしてい G ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・	あ施きの間、 るすたの間、 うるすた」のは、 うるすた」のに、 がたるすた」ので、 がたるすた」ので、 がたるすた」の が、 が、 たたのに、 が、 たた。 、 、 、 、 、 、 、 、 、 、 、 、 、 、 、 、 、	至す ス業観 江 ・業 業業 中 を)て 流のそ の的 地 産 ((心 地 の と 大の 視・区 業農 加サ 市 理 環 北	などでの文献調 ためである。こう(点である。こう(でがのにないく意 でがのに把握する ・ 広がの地区・下村 構成の基本理論 林水産業) エ業) ービス業) 街地のご概観(日本海 前船	 fige: Fig: Fige: Fig
<u>Course</u> 1st Semeste	1st	①みずからさ ①(休日に設定 ②「近未来さ 元企業や特定 を同時に動が Th 1st 2nd 3rd 在: 4th 5th 6th 北 7th	の 五感で具体的事 定する)に行い、 の職業選択したす たサッサ で の す し た 業 に そ す た 、 の ま で 、 で 、 の で 、 の で 、 の で 、 、 の で 、 、 の で 、 、 の で 、 、 の で 、 、 の で 、 、 の で 、 、 の で 、 、 の で 、 、 の で 、 、 の で 、 、 の で 、 、 の で 、 、 の 、 、 、 、 、 、 、 、 の 、 、 、 、 、 、 、 、 、 、 、 、 、	立つよう、授業時 「るフィールドワー 」で,地域社会の姿	に配慮するつもりで ク(実地調査)を実 を浮き彫りにしてい	あ施き 初地地 水) 庭第 (弥 小 北) 文視 地能 弱るすた 「 切城域 市 業1 23 市 陸的点 域登 地近の(ン 定客 老 造産 産産 湊 域徴し 交域 市	(Eta) ス業観 江・業 業業 中 を) て 流とのそ の的 地 産(((心 地 の との大の 視・区 業農 加サ 市 理 環 北比)	などでの文献調 ためである。こう(点相である。こう(で対的に地区・下約 構成の基本 工業) ービス業) 毎地のの基(日本海 前船 較	 fill になく、地いった「頭と身体
	1st	①みずからさ ①「休日に設定 ②「近未来さ 元企業や特定 を同時に動が Th 1st 2nd 3rd 4th 5th 6th 北 7th 8th	か 五感で具体的事 定する)に行い、 の職業選択して 認知 で たず の で たず し で で で で で で で で で で で で で	立つよう、授業時 「るフィールドワー 」で,地域社会の姿	に配慮するつもりで ク(実地調査)を実 を浮き彫りにしてい	あ施き 100 ガ地地1水)産第1第1水 北文視1地能170、11~11~11~11~11~11~11~11~11~11~11~11~11~	(日本) (日本) (日本) (日本) (日本) (日本) (日本) (日本)	などでの文献調 ためである。 こう(点で学んでいく意 相対的に把握する ・ 堀の基本理論 林水産業) 工業) 一ビス業) (街地の史的に概観(日本海 前船 較 福光・城端・福野 る産業の特色(歴 譜	
Course 1st Semeste	1st	①みずからさ ①「休日に設定 ②「近未来さ 元企業や特定 売ごの時に勤力 1st 1st 2nd 3rd 4th 5th 6th 7th 8th 9th	か 五感で具体的事 定する)に行い、 の 取職場を対象を通し 空 地域を対象を通し で 地域に 実地調査(1) 業論の基礎(2) 実地調査(2) 陸の地域特性(1 陸の地域特性(2 実地調査(3) 域産業論(1)	立つよう、授業時 「るフィールドワー 」で,地域社会の姿	に配慮するつもりで ク(実地調査)を実 を浮き彫りにしてい 「 ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・	あ施き 100 ガ地地 水 産第 1水 北文視 地能 雨水 山売るすた 115 イ域域 市 業1 23 市 陸的点 域登 地 山栗ふるい。 ダをを 海 構次 次次 新 地特と 間地 域 地と近の() と産客 老 造産 産産 湊 域徴し 交域 市 域産	(日本) (日本) (日本) (日本) (日本) (日本) (日本) (日本)	などでの文献調 ためである。 こう(点で学んでいく意 相対的に把握する ・ 堀の基本理論 林水産業) 工業) 一ビス業) (街地の史的に概観(日本海 前船 較 福光・城端・福野 る産業の特色(歴 譜	
<u>Course</u>	1st Quarter	①みずからさ ①イボロに設定 ②「近未来で 元企業や特方 たの時に動力 1st 1st 2nd 3rd 4th 5th 6th 7th 8th 9th 10th	の 五感で具体的事 定する)に行い、 の職域とす の地域た業を通し にそし、 の地域に にそし、 でする)に行い、 の地域大学を通し にそし、 にです。 にそのし、 で、 で、 で、 で、 で、 で、 で、 で、 で、 で	立つよう、授業時 「るフィールドワー 」で,地域社会の姿	に配慮するつもりで ク(実地調査)を実 を浮き彫りにしてい 「 ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・	あ施き 100 ガ地地 水 産第 水 北文視 地能 雨水 山売「県 腟るすた 115 イ域域 市 業1 23 市 陸的点 域登 地 山売「県 腟のるい。 ダをを 海 構次 次次 新 地特と 間地 域 地と業)近の() と産客 老 造産 産産 湊 域徴し 交域 市 域産」		などでの文献調 ためである。 こう(点で学んでいく意 相対的に把握する ・ 構成の基本理論 林水産業) 工業) 一ビス業) 街地の史的に概観(日本 節船 較 る産業の特色(歴 譜 日本資本主義の 一 に 一 に 歴 二 二 二 二 二 二 二 二 二 二 二 二 二	
<u>Course</u>	1st Quarter 2nd	①みずからさ ①なずからさ (休日に設定 ②「近未来さ 元企業や特万 たの時に動力 1st 1st 2nd 3rd 4th 5th 6th 7th 8th 9th 10th 11th	か 五感で具体的事 定する)に行い、 かす 変帯 変帯 変帯 変帯 で た業 を 通し に たい、 の で で に で に で い、 の で で に で に で い、 の で で 、 の で で 、 の で で 、 の で で 、 の で で 、 の で で 、 の で で 、 の で で 、 の で で 、 の で で 、 の で で 、 の で で 、 の で で 、 の で 、 で 、 の で 、 で 、 で 、 で 、 で で 、 の す で 、 で 、 で 、 で 、 で 、 の す で 、 、 で 、 で 、 で 、 の す で 、 、 で 、 、 で 、 、 の ま で で (1) 二 、 、 の 玉 礎 (1) 、 業 論の 国 査 で (2) 実 地 調 香 (2) 実 地 調 香 (2) 実 地 調 香 (2) 実 地 調 香 (2) 実 地 調 香 (3) し 域 広 、 (1) 、 、 、 の し 、 、 、 、 、 、 、 、 、 、 、 、 、	立つよう、授業時 「るフィールドワー 」で,地域社会の姿	に配慮するつもりで ク(実地調査)を実 を浮き彫りにしてい 「 ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・	あ施き 100 ガ地地 水 産第 水 北文視 地能 雨水 山売「県 腟るすた 115 イ域域 市 業1 23 市 陸的点 域登 地 山売「県 腟のるい。 ダをを 海 構次 次次 新 地特と 間地 域 地と業)近の() と産客 老 造産 産産 湊 域徴し 交域 市 域産」		などでの文献調 ためである。 こう(点で学んでいく意 相対的に把握する ・ 堀の基本理論 林水産業) 工業) 一ビス業) (街地の史的に概観(日本海 前船 較 福光・城端・福野 る産業の特色(歴 譜	
Course 1st Semeste	1st Quarter	①みずからさ ①なずからさ (休日に設定 ②「近未来さ 元企業や特万 を同時に動力 1st 1st 2nd 3rd 4th 5th 6th 7th 8th 9th 10th 12th	か 五感で具体的事 定する)に行い、 かすごに行い、 かすごに行い、 かすごに有い、 の 地域を対象を通し で し の し の し で 、 で 、 の ま で 、 で 、 の に で い、 の に で い、 の に で い、 の に で い、 の に で い、 の に で い、 の に で い、 の に で い、 の に で い、 の に で い、 の に で い、 の に で い、 の に で い、 の に で い、 の こ や 式 い の こ や 式 い の こ や 、 で 、 で 、 で 、 で 、 で 、 で 、 で 、 で い い い い い い い い い い い い い	立つよう、授業時 「るフィールドワー 」で,地域社会の姿	に配慮するつもりで ク(実地調査)を実 を浮き彫りにしてい ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・	あ施き 100 ガ地地 水 産第 1水 北文視 地能 100、11点 1月		などでの文献調 ためである。 こう(点で学んでいく意 相対的に把握する ・ 構成の基本理論 林水産業) 工業) 一ビス業) 街地の史的に概観(日本 節船 較 る産業の特色(歴 譜 日本資本主義の 一 に 一 に 歴 二 二 二 二 二 二 二 二 二 二 二 二 二	
Course 1st Semeste	1st Quarter 2nd	①みずからさ ①なずからさ ①(休日に設定 ②「近未来さ 元企業や特方 元企業や特方 を同時に動け 1st 1st 2nd 3rd 4th 5th 6th 7th 8th 9th 10th 12th 13th	か 五感で具体的事 定する)に行い、 かすごに行い、 かすごに行い、 かすごに有い、 かすごに有い、 でした、 での、 での、 での、 での、 での、 での、 での、 での	立つよう、授業時 「るフィールドワー 」で,地域社会の姿	に配慮するつもりで ク(実地調査)を実 を浮き彫りにしてい	あ施き 100 ガ地地 水) 産第 第一水 北文視 地能 176、111 計算 時 割 光るすた 115 イ域域 市 業1 23 市 陸的点 域登 地 県薬創人 物 地 産 資。るい ダをを 海 構次 次次 新 地特と 間地 域 地と業) 区 業 源近の。 20 定客 老 造産 産産 湊 域徴し 交域 市 、域産」 (などでの文献調 ためである。 こう(点で学んでいく意 相対的に把握する ・ 構成の基本理論 林水産業) 工業) 一ビス業) 街地の史的に概観(日本 節船 較 る産業の特色(歴 譜 日本資本主義の 一 に 一 に 歴 二 二 二 二 二 二 二 二 二 二 二 二 二	 filter for a constraint of a constrain
Course 1st Semeste	1st Quarter 2nd	①みずからび ①「近未来び 元企業や特況 を同時に勤が たの業や特別 を同時に勤が 1st 1st 2nd 3rd 産 3rd を 6th 7th 8th 9th 10th 12th 13th 14th	か 五感で具体的事、 たする)に行い、 かすごに行い、 かすごに行い、 かすごに行い、 かすごに行い、 でにすい、 でい、 でにすい、 でい、 でにすい、 でい、 でにすい、 でい、 でにすい、 でい、 で、 ででい、 ででい、 ででい、 ででい、 で、 で、 で、 で、 で、 で、 で、 で、 で、 で	立つよう、授業時 「るフィールドワー 」で,地域社会の姿	に配慮するつちりで ク(実地的にしてい を浮き彫りにしてい 。 。 。 。 。 。 。 。 。 。 。 。 。 。 。 。 。 。 。	あ施き 100 ガ地地 水) 産第 第一水 北文視 地能 176、111 計算 時 割 光るすた 115 イ域域 市 業1 23 市 陸的点 域登 地 県薬創人 物 地 産 資。るい ダをを 海 構次 次次 新 地特と 間地 域 地と業) 区 業 源近の。 20 定客 老 造産 産産 湊 域徴し 交域 市 、域産」 (などでのう。 こうい 点相 がである。 こうい に 一 に が で が の で が に い く 意 る で で い い く 意 る い い く 意 の で い い く 意 の で い い く 意 の で い い く 意 の で い い く 意 の で い い く 意 の で い い く 意 の で い い く 意 の で い い く 意 の で い い く 意 る い い く 意 る い い く 意 る い い に 肥 区 本 丁 一 地 四 ひ 本 単 二 し 也 の 本 単 二 し 也 の 史 単 し の の 史 い し し 本 正 か 下 村 構 林 水 産 い う 、 二 し 也 の 史 か い で で 一 肥 か た 、 、 、 、 、 、 、 、 、 、 、 、 、	 filter for a construction of a construction
Course 1st Semeste	1st Quarter 2nd	①みずからさ ①なずからさ ①「近未来さ 元企業や特万 元企業や特万 を同時に動力 1st 1st 2nd 3rd 産 4th 万th 6th 7th 8th 9th 10th 12th 13th 14th 15th	 加支配 加支配 加支配 二(二(1)) 二(二(1)) 二(1)) 二(1) 二(1)	立つよう、授業時 「るフィールドワー 」で,地域社会の姿	に配慮するつちりで ク(実き彫りにしてい を浮き彫りにしてい 。 。 。 。 。 。 。 。 。 。 。 。 。 。 。 。 。 。 。	あ施き 100 ガ地地 水 座第 第第 水 北文視 地能 砺 い 山売 「県 陸 徳 場 光 川 龍 受るすた 11 11 11 12 13 市 陸的点 域登 地 山栗薬創人 物 地 産 資 地 し 講 ふるい ぶんをを 海 構次 次次 新 地特と 間地 域 地と業) 11 2 3 成 生近の。 22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	(日本) 「「「「「「「「「「「「「「」」」」」」、「「「」」、「「」」、「「」」、「	などでのう。 こうい 点相 がである。 こうい に 一 に が で が の で が に い く 意 る で で い い く 意 る い い く 意 の で い い く 意 の で い い く 意 の で い い く 意 の で い い く 意 の で い い く 意 の で い い く 意 の で い い く 意 の で い い く 意 の で い い く 意 る い い く 意 る い い く 意 る い い に 肥 区 本 丁 一 地 四 ひ 本 単 二 し 也 の 本 単 二 し 也 の 史 単 し の の 史 い し し 本 正 か 下 村 構 林 水 産 い う 、 二 し 也 の 史 か い で で 一 肥 か た 、 、 、 、 、 、 、 、 、 、 、 、 、	
1st Semeste	1st Quarter 2nd Quarter	①みずからび ①「近未来び ②「近未来び 元企業や特万 万二企業や特万 を同時に勤力 1st 1st 2nd 3rd 産 4th 万th 7th 兆 7th 北 8th 9th 10th 11th 12th 13th 14th 15th 16th	加まな 1 五感で見体的 1 五感でしたい、 1 五感でしたい、 1 第二時の 2 第二時の 2 第二時の 2 第二時の 3 第二時の 3 「「」」 第二前の 第二時の 3 「「」」 第二時の 第二時の 1 「」」 第二時の 第二時の 1 「」」 第二時の 「」」 第二時の 「」」 第二時の 「」」 第二時の 「」」 第二時の 「」」」 第二時の 「」」」 「」」 「」」」 第二時の 「」」 「」」 「」」 「」」 「」」 「」」 「」」 「」」 「」」 「」」 「」」 「」」 「」」 「」」 「」」 「」」 「」」 「」」 「」」 「」」 <	立つよう、授業時 「るフィールドワー 」で,地域社会の姿	に配慮するつちりで ク(実き彫りにしてい を浮き彫りにしてい 。 。 。 。 。 。 。 。 。 。 。 。 。 。 。 。 。 。 。	あ施き 100 ガ地地 水 産第 第一水 北文視 地能 砺 11 い 一川 掻 湾 場 光 川 読るすた 11 11 小 産第 第一 水 正常 11 23 市 陸的点 域登 地 一県薬創人 物 地 産 資 地 し。るい ダをを 海 構次 次次 新 地特と 間地 域 地と業) 12 業 源 域 な近の。 22 定客 老 造産 産産 湊 域徴し 交域 市 一域産」 10 い	(日本) 「「「「「「「「「「「「「「」」」」」」、「「「」」、「「」」、「「」」、「	などでの などでの なで あて あて あて あて あて た が で た が で い く 高 る ・ に い く 高 る ・ で い く 高 る ・ で い く 高 る ・ で い く 高 る ・ で い く 高 る ・ で い く 高 る ・ で い く 高 る ・ で い く 高 る ・ で い く 高 る ・ で い く 高 る ・ で い く 高 る ・ で い く 高 る ・ で い く 高 る ・ で い く 高 る ・ で い く 高 る ・ で い く こ る い く に で い く こ る い く こ る い く に で い い く 高 る い で い で い て で い で い て で い で い て で い し で で い し で つ 二 じ し の 二 し の の 、 、 、 、 、))) (街 他 歴 た の 、 城 続 い 伝 秋 鹿 い の 、 の 、 、 、 、 、 、 、 、 、 、 、 、 、	 filter for a constraint of a constrain
1st Semeste r	1st Quarter 2nd Quarter	①みずからび ①「小すからび ②「近未来び 元企業や特万 元企業や特万 を同時に動力 1st 1st 2nd 3rd 4th 5th 6th 7th 8th 9th 10th 12th 13th 14th 15th 16th が 16th が 0d	加まな 1 五感で見体的 1 五感でしたい、 1 五感でしたい、 1 第二時の 2 第二時の 2 第二時の 2 第二時の 3 一時 2 第二時の 3 第二時の 3 「「」 第二時の 第二時の 3 「「」 第二時の 「「」 第二時の 「」 第二時の 「」 第二時の 「」 第二時の 「」 第二時の 「」 第二時の 「」 第二時間 「」 第二時間 「」 第二時間 「」 第二時間 「」 「」 「」 第二時間 「」 「」 「」 「」 「」 「」 「」 「」 「」 「」 「」 「」 「」 「」 「」 「」	立つよう、授業時 「るフィールドワー 」で,地域社会の姿	に に た り で ま に し て い で ま に し て い で ま に し て い で ま に し て い で ま に し て い で ま に し て い で ま に し て い で ま に し て い で ま い り に し て い で ま い り に し て い で い で ま い り に し て い て い で ま い り に し て い て い て の つ む う む た し て い て い て の つ む う で ま い し て い て い て の つ む う で ま い し て い て い て の つ む う で ま い つ こ て い つ つ つ こ つ い つ こ つ い つ こ つ で い つ こ つ い つ こ つ い い つ こ つ い つ い つ こ つ い い つ こ つ い つ こ い つ い つ こ し て い い つ こ し て い い こ い つ で い つ こ し て い い つ で い つ で い つ で い つ で い つ で い つ で い つ で い つ い つ で い つ で い つ で い つ い つ い い つ	あ施き 100 ガ地地 水 座第 第第 水 北文視 地能 砺 い 山売 「県 陸 徳 場 光 川 龍 受るすた 11 11 11 12 13 市 陸的点 域登 地 山栗薬創人 物 地 産 資 地 し 講 ふるい ぶんをを 海 構次 次次 新 地特と 間地 域 地と業) 11 2 3 成 生近の。 22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		などでの などでの なで あて あて あて あて あて た が で た が で い く 高 る ・ に い く 高 る ・ で い く 高 る ・ で い く 高 る ・ で い く 高 る ・ で い く 高 る ・ で い く 高 る ・ で い く 高 る ・ で い く 高 る ・ で い く 高 る ・ で い く 高 る ・ で い く 高 る ・ で い く 高 る ・ で い く 高 る ・ で い く 高 る ・ で い く 高 る ・ で い く こ る い く に で い く こ る い く こ る い く に で い い く 高 る い で い で い て で い で い て で い で い て で い し で で い し で つ 二 じ し の 二 し の の 、 、 、 、 、))) (街 他 歴 た の 、 城 続 い 伝 秋 鹿 い の 、 の 、 、 、 、 、 、 、 、 、 、 、 、 、	 fill たいでなく,地いつた「頭と身体

基礎的能力	0	10	0	10	20	0	40
専門的能力	0	10	0	10	10	0	30
分野横断的能力	0	10	0	10	10	0	30

Т	oyama C	ollege	Year	2020		Course Title	Health Science
Course	Informa	tion					
Course Co	ode	0039			Course Category	/ General	/ Elective
Class For	mat	Lecture	_		Credits	Academ	ic Credit: 2
Departme	ent	Control II	nformation Syster	ns Engineering	Student Grade	Adv. 2nd	t
Term		Second S	emester		Classes per Wee	ek 2	
Textbook Teaching	and/or Materials				· · ·	•	
Instructo	r	Ohashi C	hisato				
(1)Deepe	Objectiv	anding of ex	ercise phisiology	lizing own deta	amount of daily p	hysical activity	
(3)Bring	up qualifica	ation for cre	ation and action a	scientific exercis	se program fitting	own lifestyles	
Rubric					1		
			理想的な到達レイ		標準的な到達レベ	ルの目安(良)	未到達レベルの目安(不可)
評価項目1			現代の社会的背景 が抱える健康問題 解することができ 検討することがで	頁について深く理	現代の社会的背景 が抱える健康問題 ることができる。		
評価項目2			自らの健康度と見 タから、生涯にれ について主体的に きる。	身体活動量のデー つたる健康づくり こ捉えることがで	自らの健康度と身 タから、生涯にわ の必要性を理解し	たる健康づくり	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			ライフスタイルに グラムを身体活動 沿って作成し、 度が身についてい	かガイドラインに ■践するための態	ライフスタイルに グラムを身体活動 沿って作成するこ	合った運動プロ ガイドラインに とができる。	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。
Assiane	d Depar	tment Ob			-		-
	ng Metho]				
Outline		(2)Summ 現代の病気	nary 気の主役となってい は、体力を向上し、	る生活習慣病は、	- 運動・栄養・休養・	ストレス等. F	althy life in the future. I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	Eを美施する場合は	、連動かでさる服装	装で授業に参加する	こと。	
Course	Plan	-	Гheme			Goals	
			Drientation				blanation of the syllabuse.
			Execution and Est	imation of Simple			1
		3rd (Concept about He	alth(1)			ole stamina test and estimate own
		4th (Concept about He	~ /	\	Ne study a bas	sic health concept.
	3rd Ouarter	5th E		alth(2)		•	
	L	3rd Quarter 5th Exercise and Fitness				Ne study a pra Ne study exerc	ic health concept.
1		6th E	Exercise and Fitne Exercise and Lifes	SS	\ \ 2	Ne study a pra Ne study exerc and methods o Ne understand	ic health concept. ctical health concept. cise effects which influence fitness
				tyle Disease		We study a pra We study exerce and methods o We understand exercise and life We study exerce	tic health concept. ctical health concept. cise effects which influence fitness f practical training. the relevance between lack of
		7th E	Exercise and Lifes	tyle Disease Effect	\ 2 4 5 5 6 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	We study a pra We study exerce and methods o We understand exercise and life We study exerce mprovement li	tic health concept. ctical health concept. ctical health concept. cise effects which influence fitness f practical training. the relevance between lack of estyle desease. cise therapy methods for festyle desease and these effects. e amount of physical activity using
2nd Semeste		7th E 8th [Exercise and Lifes Exercise Therapy	tyle Disease Effect hysical Activity.	\ 2 6 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	We study a pra We study exerc and methods o We understand exercise and life We study exerc mprovement li We measure th bedometers for We set exercise	tic health concept. ctical health concept. ctical health concept. cise effects which influence fitness f practical training. the relevance between lack of estyle desease. cise therapy methods for festyle desease and these effects. e amount of physical activity using
		7th E 8th E 9th H	Exercise and Lifes Exercise Therapy Daily Amount of P	tyle Disease Effect hysical Activity. Practice(1)	sical Activity	We study a pra We study exerce and methods o We understand exercise and life We study exerce mprovement li We measure the bedometers for We set exercise ime to make e ifestyles. We estimate ou own data of the collected by pe	sic health concept. ctical health concept. cise effects which influence fitness f practical training. the relevance between lack of estyle desease. cise therapy methods for festyle desease and these effects. e amount of physical activity using 2 weeks. e event, the target of intensity and xercise programs fitting our ur physical activity on our lifes from e amount of physical activity dometers.
Semeste	4th	7th E 8th I 9th H 10th E	Exercise and Lifes Exercise Therapy Daily Amount of P Healthy Exercise F	ess tyle Disease Effect hysical Activity. Practice(1) y Amount of Phys	sical Activity	We study a pra We study exerc and methods o We understand exercise and life We study exerc mprovement li We measure th bedometers for We set exercise ime to make e ifestyles. We estimate ou own data of the collected by per We understand reference for he estart to meas activity.	sic health concept. ctical health concept. ctical health concept. cise effects which influence fitness f practical training. the relevance between lack of estyle desease. cise therapy methods for festyle desease and these effects. e amount of physical activity using 2 weeks. e event, the target of intensity and xercise programs fitting our ur physical activity on our lifes from e amount of physical activity dometers. the guileline "Physical activity ealth promotion 2013", and ure the amount of physical
Semeste	4th Quarter	7th 8 8th 1 9th 1 10th 8 11th 8	Exercise and Lifes Exercise Therapy Daily Amount of P Healthy Exercise F Estimation of Daily	tyle Disease Effect hysical Activity. Practice(1) y Amount of Phys nd Health	sical Activity	We study a pra We study exerc and methods o We understand exercise and life We study exerc mprovement li We measure th bedometers for We set exercise ime to make e ifestyles. We estimate ou own data of the collected by per We understand reference for he estart to meas activity.	sic health concept. ctical health concept. ctical health concept. cise effects which influence fitness f practical training. the relevance between lack of estyle desease. cise therapy methods for festyle desease and these effects. e amount of physical activity using 2 weeks. e event, the target of intensity and xercise programs fitting our ur physical activity on our lifes from e amount of physical activity dometers. the guileline "Physical activity ealth promotion 2013", and sure the amount of physical kercise event, the target of me, and practice exercise plans
Semeste		7th F 8th I 9th F 10th F 11th F 12th F	Exercise and Lifes Exercise Therapy Daily Amount of P Healthy Exercise F Estimation of Daily Physical Activity a	ess tyle Disease Effect hysical Activity. Practice(1) y Amount of Phys nd Health Practice(2)	sical Activity	We study a pra We study exerce and methods of We understand exercise and life We study exerce mprovement li We measure the bedometers for We set exercise ime to make e ifestyles. We estimate ou own data of the collected by per We understand reference for he reference for he restart to meas activity. We reset the e ntensity and tii which we set o	sic health concept. ctical health concept. ctical health concept. cise effects which influence fitness f practical training. the relevance between lack of estyle desease. cise therapy methods for festyle desease and these effects. e amount of physical activity using 2 weeks. e event, the target of intensity and xercise programs fitting our ur physical activity on our lifes from e amount of physical activity dometers. the guileline "Physical activity ealth promotion 2013", and sure the amount of physical kercise event, the target of me, and practice exercise plans urselves. mparision between the first physical
Semeste		7th F 8th F 9th F 10th F 11th F 12th F 13th F	Exercise and Lifes Exercise Therapy Daily Amount of P Healthy Exercise F Estimation of Dail Physical Activity a Healthy Exercise F	ess tyle Disease Effect hysical Activity. Practice(1) y Amount of Phys nd Health Practice(2) aily Amount of Ph	sical Activity	We study a pra We study exerce and methods o We understand exercise and life We study exerce mprovement li We measure the bedometers for We set exercise ime to make e ifestyles. We estimate ou own data of the collected by per We understand reference for he restart to meas activity. We reset the ex- ntensity and ti which we set o We make a con activity data an We make our e	sic health concept. ctical health concept. ctical health concept. cise effects which influence fitness f practical training. the relevance between lack of estyle desease. cise therapy methods for festyle desease and these effects. e amount of physical activity using 2 weeks. e event, the target of intensity and xercise programs fitting our ur physical activity on our lifes from e amount of physical activity dometers. the guileline "Physical activity ealth promotion 2013", and sure the amount of physical kercise event, the target of me, and practice exercise plans urselves. mparision between the first physical

	16th		Presentation Class Evaluation Quastionnaire		We have presentations. Finally we answer class eveluation quastionnaires.						
Evaluatio	Evaluation Method and Weight (%)										
	試懸	矣	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	0		0	0	0	0	0	0			
専門的能力	0		75	0	0	0	25	100			
分野横断的静	能力 0		0	0	0	0	0	0			

Тс	oyama	College	Year	2020		Course Title	Industrial S	Society
Course	Inform	ation			1	r		
Course Co	ode	0040			Course Category			
Class For	mat	Lecture			Credits	Academie	c Credit: 2	
Departme	ent	Control Course	Information Syste	ems Engineering	Student Grade	Adv. 2nd		
Term		First Se	emester		Classes per Wee	eek 2		
Textbook								
Teaching Instructor			va Hiroshi					
Course								
"1.Studer 2.Student	nts can ui ts can un	nderstand tl derstand th	he background of o e society and envi e innovation and p	ronment surroun	banese industry. ding themselves fo	or their own bus	siness.	
Rubric								
			Ideal Level of	Achievement	Standard Level	of Achievement	Unacceptab Achievemen	
Evaluatio	n 1			understand the contemporary stry.	Students can alr the background contemporary Ja industry.	of	d Students ca	nnot understand th of contemporary
Evaluatio	n 2		Students can u society and en surrounding th their own busi	nemselves for	Students can alr the society and surrounding the their own busing	environment mselves for	society and	nnot understand th environment themselves for usiness.
Evaluatio	n 3		Students can u society and en surrounding th their own busi	nemselves for	Students can alr the society and surrounding the their own busing	environment mselves for	society and	nnot understand th environment themselves for usiness.
<u>Assign</u> e	ed Depa	rtment O	bjectives					
Teachin	ng Meth	od						
Outline		Student And stu	urpose of this class ts also can undersi idents can underst	tand the society a	and environment s	urrounding the	Japanese indenselves for the	ustry. eir own business.
Style Notice			and presentation an 60 points are r		futhe ovaluation of	ritoria of 1APEE		
	Dlan	Inore th		lecessaly to satis				
Course	Plan		Th					
			Theme Course Orientatio			Goals		
		1st	College Liberal A					
		2nd	Approach to socia	al science				
		3rd	Background of m	iodern Japanese i	ndustry (1)			
	1st Quarter	4th	Background of m	iodern Japanese i	ndustry (2)			
	Quarter	5th	Background of m	odern Japanese i	ndustry (3)			
		6th	Background of m	odern Japanese i	ndustry (4)			
		7th		iodern Japanese i				
1st		8th		iodern Japanese i				
Semeste r		9th		iodern Japanese i				
		10th	industry (1)	ne environment su				
	2nd	11th	Understanding th industry (2)	ne environment si	urrounding the			
	2nd Quarter	12th	Viewpoint involve	ed in industry (1)				
		13th	Viewpoint involve	ed in industry (2)				
		14th	Viewpoint involve	ed in industry (3)				
		15th	Final presentation	n of final paper				
		16th						
<u>Evalua</u> ti	<u>ion Me</u> t	hod and	Weight (%)					
		xamination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total
Subtotal	0		50	0	0	0	50	100
Basic Abil			20	0	0	0	20	40
	chnical 0 10			-	10	20		
Technical Ability	0		10	0	0	0	10	20

Тс	oyama	College		Year	2020		_		Culture Studie Sea Rim Cour	
Course		nation								
Course Co		0041				Course Categor	,	General /		
Class For	mat	Lectu	-			Credits		Academic	Credit: 2	
Departme	ent	Cont Cour		rmation Syste	ms Engineering	Student Grade		Adv. 2nd		
Term		Seco	nd Sem	nester		Classes per Wee	/eek 2			
Textbook Teaching			秀爾『西	i洋美術史』、中	□澤敦夫・宮崎衣澄	『暮らしの中の口き	シア・1	(コン]		
Instructor	r	Miya	zaki Izu	ımi						
Course	Object	ives								
1. Studen 2. Studen	nts can u nts can u	inderstand inderstand	the cu the hi	Ilture and the story of relation	religion in Russia ons between Japa	by the analysis o n and Russia on t	f Icon the bas	paintings. is of the	Japan Orthdox cł	nurch.
Rubric										
				deal Level of A Very Good)	Achievement	Standard Level (Good)	of Achi	evement	Unacceptable L Achievement (F	evel of Fail)
Evaluation 1			nistory of art a	nderstand the nd russian icon	Students can all the history of ar icon paintings.			Students canno understand the and russian ico	history of art	
Evaluatio	paintings. Students can understand the russian icon paintings on the				intings on the	Students can all the russian icon the base of the	painti	ngs on		t understand the intings on the
Evaluatio	base of the russian culture. Students can understand the history of relations between				inderstand the ions between	Students can all the history of re Japan and Russ	most u	nderstand		ot understand the ons between
Assiane	Japan´and Russia. Assigned Department Objectives						-			
Teachin			55300							
reachill	ig niet		าแทกกระ	of this class i	s to understand t	he culture and th	e relia	on in Russ	sia by the analys	is of Icon
Outline		paint Stud	ings.	o understand	the history of rela		5		, ,	
Style				presentation						
Notice				•	ecessary to satisf	y the evaluation of	criteria	of JABEE.		
Course	Plan				·	•				
			The	eme			Goals			
		1st		oduction			Students can understand the course contents and goal.			
		2nd	Δrt	history1			9	its can un	derstand general	art history
		3rd		history2					derstand general	1
		4th		history3						
	3rd Quarte	E 11		history4			Students can understand general art history Students can understand general art history			
	Quarte	6th	Art	history5		:	Students can understand general art history			
		7th	Pre	reparation for research at Museum			Students can understand the collection of Toyam			
		8th		earch at Toya			museum Students can understand the history and the			ory and the
2nd				,			collection of Toyama museum			•
Semeste		9th	Pre	sentation					ke effective pres	
r		10th	Rus	sia and Icon p	oaninings1			its can und t in Russia	derstand the hist	ory of religion
1		11th	Rus	sia and Icon p	paninings2		Studer and ar	its can und t in Russia	derstand the hist	ory of religion
	4th Quarte	r 12th	Jan	an Orthdox ch	urch and Russia	1	Orthdo	x chuch a	derstand the hist nd Russia.	
	Quarce	13th	Pre	paration for re	esearch at Museur	11	museu	m		ection of Nishida
		14th		earch at Nishi			collecti	on of Toya	derstand the hist ama museum	
		15th		•	of final paper		Studer	its can ma	ke effective pres	entations.
		16th		nclusion and ev	valuation					
⊑valuat		thod an		gnt (%)	Martin 1	1				
	1	Examinatio	on F	Presentation	Mutual Evaluations between students	Behavior	Portfo	olio	Paper	Total
Subtotal		C	4	10	0	0	0		60	100
Basic Abil)		20	0	0	0		30	50
Technical Ability	<i>,</i>)	1	10	0	0	0		20	30
Intordisciplinar				10	0	0	0		10	20

Toyama College		Year	2020		Course Title	Engineering Ethics/Business Ethics		
Course 1	Informa	tion						
Course Co		0028			Course Category	Specializ	ed / Compulsory	
Class Forn	nat	Lecture			Credits		c Credit: 2	
Departme	nt	Control Info Course	ormation Syster	ns Engineering	Student Grade	Adv. 2nd		
Term		Second Ser	nester		Classes per Weel	k 2		
Textbook Teaching		『技術者の倫	論理入門 第五版	』 杉本泰治・高	橋重厚著 丸善(20	16年)		
Instructor		Yokota Kaz	uhiro,Tsukada /	Akira,Matsubara Y	/oshihiro			
Course (Objectiv	es						
(1) Basic I (2) Explain	knowledge n the philo	e concerning t psophy and ba	he code of conc ckaround of en	ing will be facilita lucton on enginee gineering ethics / ogy and present r	ering ethics / busir ' business ethics.	ness ethics. as professional	engineers or business persons.	
Rubric								
			Ideal Level of A (Very Good)	chievement	Standard Level o (Good)	f Achievement	Unacceptable Level of Achievement (Fail)	
Evaluatior	ז 1		Clearly explain knowledge cond of conduct on e ethics / busines	cerning the code	Ability to explain knowledge conce of conduct on en ethics / business	erning the code gineering	Unable to explain the basic knowledge concerning the code of conduct on engineering ethics / business ethics.	
Evaluatior	ז 2		Clearly explain and background ethics / busines	d of engineering	Ability to explain and background ethics / business	of engineering	Unable to explain the philosophy and background of engineering ethics / business ethics	
Evaluation 3			Clearly underst related to scien and present mu as professional business persor	ce, technology Iltiple solutions engineers or	Ability to explain to science, techn present multiple professional engi business persons	ology and solutions as neers or	Unable to explain cases related to science, technology and present multiple solutions as professional engineers or business persons.	
Assigne	d Depar	tment Obje	•	-				
Teachin			001100					
Outline		cases. And science and rights.	you practice et I technology tha	hical behavior and at people and nat	d master basic kno ure can coexist. Ir	n addition, you	s need ethics through specific tribute to the development of learn about intellectual property	
Style			ary to think fro n and Report: 6		point and to expre	ess your opinic	n.	
Notice		 Presentat 	ion of case stud		or more rating.			
Course I	Plan							
		Th	eme		G	ioals		
		1st Gu	idance		D	iscuss the goa	ls and structure of this course.	
			roduction to m gineers, busine	orals ss persons and et		Learn morals and ethics of engineers, busines persons.		
			,	tionships and mo		iscuss organiz	ation, relationships and morals.	
		4th En En	gineers, busine gineer qualifica	ss persons and et tion	hics D	Discuss engineers, business persons and ethics		
	3rd Quarter		thod of ethics i ty of care	mplementation	D	iscuss method	of ethics implementation.	
		6th Lee Ho	gal liability and nesty, Truth, R	moral liability eliability	D	iscuss legal lia	bility and moral liability.	
2nd Semeste			countability histle blower		D	iscuss account	ability and Whistle blower.	
r		8th En Int	vironment and ellectual prope	Ethics rty		iscuss environ earn intellectu	ment and ethics. al property.	
		9th Sp	ecial lecture on	intellectual prope	erty L	earn intellectu	al property from patent attorneys.	
			se study 1			ase study and		
			se study 2			ase study and		
	4th		se study 3			ase study and		
	Quarter		se study 4			ase study and		
			se study 5			Case study and Discussion.		
			se study 6			ase study and		
			mmary		5	ummarize the	study content.	
Evoluati	on Math	od and W/-	IYIIL (70)					
Evaluati	on Meth	od and We			Drocontation -	Donert	Total	
	on Meth		Discussion		Presentation and	Report	Total	
Subtotal			Discussion 60		40	Report	100	
	ity		Discussion			Report		

Toyama College Course Information		Ŋ	Year	2020			urse itle	Parameter De	sign	
Course	Information	tion								
Course Co	ode	0029				Course Categor	γ S	pecialize	d / Elective	
Class Forr	mat	Lecture				Credits	A	cademic	Credit: 2	
Departme	ent	Control Course	Informati	on Syste	ms Engineering	Student Grade	Д	dv. 2nd		
Term		First Ser	nester			Classes per We	ek 2			
Textbook Teaching					ginners -For Und 3N978-4-339-024		echnolog	jy- ©Koy	/a Yano 2013 CO	RONA
Instructor	r	Mizutani	i Junnosu	ke						
Student u	Objectiv Inderstand De able to a	s the sianif	ficance an stem base	nd basic f ed on the	unction of Two-st concept of Quali	ep optimization. ty Engineering.				
			Ideal L (Very		Achievement	Standard Level (Good)	of Achie	vement	Unacceptable Le Achievement (F	
Evaluation 1			experi	ment of a	e to propose an Assessment of erfomability.	Student unders meaning of Two optimization.		e	Student not und meaning of Nois	lerstands the se factor.
Evaluatior	n 2	Functionality perfomability. Student be able to devise a basic function.				Student be able S/N ratio of Dyn characteristics.		ulate the	Student not be the S/N ratio of characteristics.	
Evaluatior	n 3	f S/N rat	e to estimate the io under ition and normal	Student be able Graph of factor			Student not be experiment fror allocated on an array.	n the level		
Assigne	d Depar	tment Ol	ojective	S						
	ig Metho									
Outline		2. This c characte 3. Stude systems	erizes Para ents are e by acqui	ns to pro ameter d xpected f	vide the students esigns through pi to become engine concept of Param	ractical exercises ers capable of a				
Chula				aiaa hu au	. in star store					
Style					n instructor.		loctions	on tout h	ook and through	oversize
Style Notice		Lecture	and exerc	cise by le	n instructor. cturer Study base equires 60 points	ed on example qu or more rating.	uestions	on text b	ook and through	exercise.
Notice	Plan	Lecture	and exerc	cise by le	cturer Study base	ed on example qu or more rating.	uestions	on text b	ook and through	exercise.
Notice	Plan	Lecture	and exerce ognition o	cise by le	cturer Study base	ed on example qu or more rating.	uestions Goals	on text b	book and through	exercise.
Notice	Plan	Lecture The reco	and exerce ognition o Theme Explanati	cise by le f credit r	cturer Study base equires 60 points	or more rating.	Goals Explana Approac Robust	tion of Sy	rllabus lity Engineering er design (RPD)	exercise.
Notice	Plan	Lecture The reco	and exerce ognition o Theme Explanati Backgrou	ion of Sy	cturer Study base equires 60 points llabus	or more rating.	Goals Explana Approac Robust Two-st	tion of Sy ch to Qua paramet ep optimi	rllabus lity Engineering er design (RPD)	
Notice		Lecture The reco	and exerc ognition o Theme Explanati Backgrou Approach	ion of Sy ind of Qu	cturer Study base equires 60 points llabus ality Engineering	or more rating.	Goals Explana Approac Robust Two-str S/N rati	tion of Sy h to Qua paramet ep optimi o: Meaniu	rllabus lity Engineering er design (RPD) zation	1
Notice	1st	Lecture The reco 1st 2nd	and exerc ognition o Theme Explanati Backgrou Approach Approach	ion of Sy ind of Qu to Para	cturer Study base equires 60 points llabus ality Engineering meter Design	or more rating.	Goals Explana Approac Robust Two-sto S/N rati S/N rati	tion of Sy th to Qua paramet ep optimi o: Meanii o and Se	/llabus lity Engineering er design (RPD) zation ng and calculation	ו and calculatior
Notice		Lecture The reco 1st 2nd 3rd	and exerce ognition o Theme Explanati Backgrou Approach Knowlede	ion of Sy ind of Qu to Para ge requir	cturer Study base equires 60 points llabus iality Engineering meter Design meter Design	or more rating.	Goals Explana Approac Robust Two-str S/N rati S/N rati Control	tion of Sy h to Qua paramet ep optimi o: Meanii o and Se factor ar	/llabus lity Engineering er design (RPD) zation ng and calculation nsitivity: Meaning	ר ז and calculatior ay
Style Notice Course	1st	Lecture The reco 1st 2nd 3rd 4th	and exerc ognition o Theme Explanati Backgrou Approach Approach Knowledg Knowledg Exercise	ion of Sy ion of Sy und of Qu to Para to Para ge requir ge requir 1	cturer Study base equires 60 points llabus iality Engineering meter Design meter Design ed for Parameter ed for Parameter	or more rating. Design Design	Goals Explana Approac Robust Two-sto S/N rati S/N rati Control Noise fa Product	tion of Sy th to Qua paramet <u>ep optimi</u> o: Meanin o: Meanin o and Se factor an factors an developr	rllabus lity Engineering er design (RPD) zation ng and calculation nsitivity: Meaning nd Orthogonal and d Compounded n nent by Nominal-	n g and calculation ray oise factors is-best response
Notice	1st	Lecture The reco 1st 2nd 3rd 4th 5th 6th 7th	and exerc ognition o Theme Explanati Backgrou Approach Approach Knowlede Exercise Knowlede	ion of Sy ion of Qu n to Para to Para ge requir ge requir 1 ge requir	cturer Study base equires 60 points labus lality Engineering meter Design ed for Parameter ed for Parameter ed for Parameter	or more rating.	Goals Explana Approac Robust Two-sto S/N rati S/N rati Control Noise fa Product Approac calculati	tion of Sy th to Qua paramet o: Meanin o and Se factor an factors an developr th to Dyn on of S/N	rllabus lity Engineering er design (RPD) zation ng and calculation nsitivity: Meaning nd Orthogonal arr d Compounded n nent by Nominal- amic characterist Natio	n g and calculation ray oise factors is-best respons ics and
Notice Course	1st	Lecture The reco 1st 2nd 3rd 4th 5th 6th 7th 8th	and exerc ognition o Theme Explanati Backgrou Approach Approach Knowlede Exercise Knowlede Knowlede	ion of Sy ion of Qu n to Para to Para ge requir ge requir 1 ge requir	cturer Study base equires 60 points llabus iality Engineering meter Design meter Design ed for Parameter ed for Parameter	or more rating. Design Design Design Design Design	Goals Explana Approac Robust Two-sta S/N rati S/N rati Control Noise fa Product Approac calculati Product	tion of Sy th to Qua paramet o: Meanin o and Se factor an actors an developr th to Dyn on of S/N developr	rllabus lity Engineering er design (RPD) zation ng and calculation nsitivity: Meaning nd Orthogonal arr d Compounded n nent by Nominal- amic characterist N ratio nent by Dynamic	n g and calculation ray oise factors -is-best respons ics and characteristics
Notice Course	1st	Lecture The reco 1st 2nd 3rd 4th 5th 6th 7th	and exercipanition of Description of Explanati Backgrou Approach Approach Knowlede Exercise Knowlede Knowlede Exercise Procedur	ion of Sy ind of Qu to Para to Para ge requir ge requir 1 ge requir 2 e for Par	cturer Study base equires 60 points labus lality Engineering meter Design ed for Parameter ed for Parameter ed for Parameter	or more rating.	Goals Explana Approac Robust Two-sto S/N rati S/N rati Control Noise fa Product Product Product	tion of Sy th to Qua paramet o: Meanin o and Se factor an actors an developr th to Dyn on of S/N developr developr	rllabus lity Engineering er design (RPD) zation ng and calculation nsitivity: Meaning nd Orthogonal arr d Compounded n nent by Nominal- amic characterist ratio nent by Dynamic nent by Dynamic	n g and calculation ay oise factors -is-best response ics and characteristics characteristics
Notice Course	1st	Lecture The reco 1st 2nd 3rd 4th 5th 6th 7th 8th 9th	and exerce ognition of Theme Explanati Backgrou Approach Approach Knowledd Exercise Knowledd Exercise Procedur charactel Procedur	ion of Sy ion of Sy ind of Qu to Para to Para ge requir ge requir 1 ge requir 2 re for Par ristics re for Par	cturer Study base equires 60 points llabus iality Engineering meter Design ed for Parameter ed for Parameter ed for Parameter ed for Parameter	or more rating.	Goals Explana Approac Robust Two-sto S/N rati S/N rati Control Noise fa Product Product Product Product Prepara	tion of Sy th to Qua paramet <u>ep optimi</u> <u>o and Se</u> factor an <u>actors an</u> <u>developr</u> th to Dyn <u>on of S/N</u> <u>developr</u> <u>developr</u> tion of au	rllabus lity Engineering er design (RPD) zation ng and calculation nsitivity: Meaning nd Orthogonal arr d Compounded n nent by Nominal- amic characterist N ratio nent by Dynamic	n g and calculation ay oise factors -is-best respons ics and characteristics characteristics response graph
Notice Course	1st	Lecture The reco 1st 2nd 3rd 4th 5th 6th 7th 8th 9th 10th 11th	and exercipanition of Description of Theme Explanati Backgrou Approach Approach Knowledd Exercise Knowledd Exercise Knowledd Exercise Procedur character	ion of Sy ion of Qu ind of Qu to Para to Para ge requir ge requir 1 ge requir 2 re for Par ristics re for Par ristics	cturer Study base equires 60 points lality Engineering meter Design ed for Parameter ed for Parameter ed for Parameter ed for Parameter ed for Parameter ameter Design of	or more rating. Design Design Design Design Design Dynamic Dynamic	Goals Explana Approac Robust Two-str S/N ratii S/N ratii Control Noise fa Product Product Product Prepara Estimati	tion of Sy h to Qua paramet <u>ep optimi</u> <u>o: Meanin</u> <u>o and Se</u> <u>factor an</u> <u>developr</u> <u>developr</u> <u>developr</u> <u>developr</u> tion of au	rllabus lity Engineering er design (RPD) zation ng and calculation nsitivity: Meaning nd Orthogonal and d Compounded n nent by Nominal- amic characterist nent by Dynamic nent by Dynamic nent by Dynamic nent by Dynamic nent by Dynamic nand confirmatic	n g and calculatior ray oise factors -is-best respons ics and characteristics characteristics response graph on run
Notice Course	1st Quarter	Lecture The reco 1st 2nd 3rd 4th 5th 6th 7th 8th 9th 10th 11th 12th	and exercipgnition of constraints of the second sec	ion of Sy ion of Sy and of Qu to Paral to Paral <u>ge requir</u> <u>ge requir</u> <u>ge requir</u> <u>2</u> re for Par ristics re for Par ristics <u>3</u>	cturer Study base equires 60 points lality Engineering meter Design ed for Parameter ed for Parameter ed for Parameter ed for Parameter ed for Parameter ameter Design of	or more rating. Design Design Design Design Design Dynamic Dynamic	Goals Explana Approac Robust Two-sta S/N ration S/N rat	tion of Sy h to Qua paramet <u>ep optimi</u> <u>o: Meanin</u> <u>o and Se</u> <u>factor an</u> <u>developr</u> <u>developr</u> <u>developr</u> <u>developr</u> <u>tion of au</u> <u>on of gai</u>	/llabus lity Engineering er design (RPD) zation ng and calculation nsitivity: Meaning nd Orthogonal arr d Compounded n nent by Nominal- amic characterist nent by Dynamic nent by Dynamic nent by Dynamic nand confirmation n and confirmation	n g and calculation ay oise factors -is-best respons ics and characteristics characteristics response graph on run racteristic
Notice Course	1st	Lecture The reco 1st 2nd 3rd 4th 5th 6th 7th 8th 9th 10th 11th	and exercipgnition of constraints of the second sec	ion of Sy ind of Qu to Para to Para ge requir ge requir ge requir 2 e for Par ristics e for Par ristics 3 4	cturer Study base equires 60 points lality Engineering meter Design ed for Parameter ed for Parameter ed for Parameter ed for Parameter ed for Parameter ameter Design of	or more rating.	Goals Explana Approac Robust Two-sta S/N rati S/N rati Control Noise fa Product Approac calculati Product Product Prepara Estimati Paramet Definitic Assessm	tion of Sy the to Qua paramet <u>ep optimi</u> <u>o: Meanin</u> <u>o and Se</u> <u>factor an</u> <u>factor an</u> <u>developr</u> <u>the to Dyn</u> <u>on of S/N</u> <u>developr</u> <u>developr</u> <u>developr</u> <u>tion of au</u> <u>on of gai</u> <u>ter design</u> <u>ter design</u> <u>ter design</u>	rllabus lity Engineering er design (RPD) zation ng and calculation nsitivity: Meaning nd Orthogonal and d Compounded n nent by Nominal- amic characterist nent by Dynamic nent by Dynamic nent by Dynamic nent by Dynamic nent by Dynamic nand confirmatic	n g and calculation ay oise factors -is-best response ics and characteristics characteristics response graph on run racteristic racteristic
Notice	1st Quarter 2nd	Lecture The reco 1st 2nd 3rd 4th 5th 6th 7th 8th 9th 10th 11th 12th 13th	and exercipgnition of constraints of the second sec	ion of Sy ind of Qu to Para to Para ge requir ge requir ge requir 2 re for Par ristics 3 4 ent of Fu	cturer Study base equires 60 points llabus iality Engineering meter Design ed for Parameter ed for Parameter ed for Parameter ameter Design of ameter Design of ameter Design of ameter Design of	or more rating.	Goals Explana Approac Robust Two-sta S/N rati S/N rati Control Noise fa Product Approac calculati Product Product Prepara Estimati Paramet Dafinitio Assessm perfoma Approac	tion of Sy the to Qua paramet <u>ep optimi</u> <u>o: Meanin</u> <u>o and Se</u> <u>factor an</u> <u>developr</u> the to Dyn <u>on of S/N</u> <u>developr</u> <u>developr</u> tion of au <u>ter design</u> ter design ter design n of Fun- nent proc	Allabus lity Engineering er design (RPD) zation ng and calculation nsitivity: Meaning nd Orthogonal arr d Compounded n nent by Nominal- amic characterist nent by Dynamic nent	n g and calculation ay oise factors -is-best response ics and characteristics characteristics response graph on run racteristic racteristic
Notice Course	1st Quarter 2nd	Lecture The reco 1st 2nd 3rd 4th 5th 6th 7th 8th 9th 10th 11th 12th 13th 14th	and exercise ognition of Theme Explanati Backgrou Approach Approach Knowledd Exercise Knowledd Exercise Procedur characted Exercise Exercise Exercise Exercise	ion of Sy ind of Qu to Para to Para ge requir ge requir ge requir 2 re for Par ristics 3 4 ent of Fu	cturer Study base equires 60 points llabus iality Engineering meter Design ed for Parameter ed for Parameter ed for Parameter ameter Design of ameter Design of ameter Design of ameter Design of	or more rating.	Goals Explana Approac Robust Two-sto S/N rati S/N rati Control Noise fa Product Product Product Product Product Product Product Paramet Daramet Daramet Approac Calculat Approac Calculat Approac Approac Calculat Answers Review	tion of Sy the to Qua paramet <u>ep optimi</u> <u>o: Meanin</u> <u>o: Meanin</u> <u>o and Se</u> factor an <u>developr</u> the to Dyn <u>on of S/N</u> <u>developr</u> <u>developr</u> <u>developr</u> <u>tion of au</u> <u>on of gai</u> <u>ter design</u> <u>ter design</u>	rllabus lity Engineering er design (RPD) zation ng and calculation nsitivity: Meaning d Orthogonal arr d Orthogonal arr d Compounded n nent by Nominal- amic characterist ratio nent by Dynamic nent by Dynami	n g and calculation ay oise factors -is-best respons ics and characteristics characteristics response graph on run racteristic racteristic
1st Semeste r	1st Quarter 2nd Quarter	Lecture The reco 1st 2nd 3rd 4th 5th 6th 7th 8th 9th 10th 11th 12th 13th 14th 15th 15th	and exercise pgnition of Theme Explanati Backgrou Approach Approach Knowledd Exercise Knowledd Exercise Procedur charactel Exercise Exercise Exercise Assessmo Term-en Review	ion of Sy ion of Sy ind of Qu <u>n to Paral</u> <u>ge requir</u> <u>ge requir</u> <u>ge requir</u> <u>ge requir</u> <u>ge requir</u> <u>ge requir</u> <u>ristics</u> <u>ristics</u> <u>a</u> <u>4</u> ent of Fu <u>d Examir</u>	cturer Study base equires 60 points llabus iality Engineering meter Design ed for Parameter ed for Parameter ed for Parameter ameter Design of ameter Design of ameter Design of ameter Design of	or more rating.	Goals Explana Approac Robust Two-sto S/N rati S/N rati Control Noise fa Product Product Product Product Product Product Product Paramet Daramet Daramet Approac Calculat Approac Calculat Approac Approac Calculat Answers Review	tion of Sy the to Qua paramet <u>ep optimi</u> <u>o: Meanin</u> <u>o and Se</u> factor an <u>developr</u> the to Dyn <u>on of S/N</u> <u>developr</u> the to Dyn <u>developr</u> the to Dyn <u>developr</u> <u>ter design</u> ter design ter design	rllabus lity Engineering er design (RPD) zation ng and calculation nsitivity: Meaning d Orthogonal arr d Orthogonal arr d Compounded n nent by Nominal- amic characterist ratio nent by Dynamic nent by Dynami	n g and calculation ay oise factors -is-best response ics and characteristics characteristics response graph on run racteristic racteristic
1st Semeste r	1st Quarter 2nd Quarter ion Meth	Lecture The reco 1st 2nd 3rd 4th 5th 6th 7th 8th 9th 10th 11th 12th 13th 14th 15th	and exercise ognition o Theme Explanati Backgrou Approach Approach Knowledd Exercise Knowledd Exercise Knowledd Exercise Procedur character Exercise Exercise Exercise Exercise Assessmo Term-en Review	ion of Sy ion of Sy ind of Qu <u>n to Paral</u> <u>ge requir</u> <u>ge requir</u> <u>ge requir</u> <u>ge requir</u> <u>ge requir</u> <u>ge requir</u> <u>ristics</u> <u>ristics</u> <u>a</u> <u>4</u> ent of Fu <u>d Examir</u>	cturer Study base equires 60 points llabus iality Engineering meter Design ed for Parameter ed for Parameter ed for Parameter ameter Design of ameter Design of ameter Design of ameter Design of	or more rating.	Goals Explana Approac Robust Two-sto S/N rati S/N rati Control Noise fa Product Product Product Product Product Product Product Paramet Daramet Daramet Approac Calculat Approac Calculat Approac Approac Calculat Answers Review	tion of Sy h to Qua paramet <u>ep optimi</u> <u>o: Meanin</u> <u>o and Se</u> <u>factor an</u> <u>developr</u> <u>developr</u> <u>developr</u> <u>developr</u> <u>developr</u> <u>developr</u> <u>developr</u> <u>tion of au</u> <u>on of gai</u> <u>ter design</u> <u>ter design</u>	rllabus lity Engineering er design (RPD) zation ng and calculation nsitivity: Meaning d Orthogonal arr d Orthogonal arr d Compounded n nent by Nominal- amic characterist ratio nent by Dynamic nent by Dynami	n g and calculation ay oise factors -is-best response ics and characteristics characteristics response graph on run racteristic racteristic

Basic Ability	0	0	0	0	0	0	0
Technical Ability	50	0	0	0	0	50	100
Interdisciplinar y Ability	0	0	0	0	0	0	0

Т	oyama C	ollege	Y	ear	2020		C	Course Title	Manufa	acturing System
Course	Informa	tion						-		
Course Co	ode	0030				Course Categ	ory	Specialize	ed / Elect	ive
Class For	mat	Lecture				Credits		Academic	Credit:	2
Departme	ent	Course		n Syste	ms Engineering	Student Grad	-	Adv. 2nd		
Term		Second	Semester			Classes per W	Veek	2		
Textbook Teaching	and/or Materials	KISOSE	ISANKAKO	UGAKU((Asakura Shoten)					
Instructo	r	Yamam	oto Keiichii	0						
Course	Objectiv	es								
Students	will unders I to.	stand the i	manufactur	ing syst	em and can answ em and can do pr points or more are	esentation wh	at kind		about th	e manufacturing system
Rubric										
			Ideal L (Very C		Achievement	Standard Leve (Good)	el of Ac	hievement		eptable Level of ement (Fail)
system and can answer practice questions			g Unders ce system questio	and car	e manufacturing n answer practice	Understand th system.	he man	ufacturing	manufa	derstand the acturing system and can swer practice questions.
Not understand the manufacturing system and can system product about manufacturing system is applied to.				and car ation w	e manufacturing n logically hat kind of manufacturing ed to.	Understand the system and car what kind of provide the system and car what kind of provide the system of the syste	an do p product	resentatior about	n manufa not pre	derstand the acturing system and can esentation what kind of t about manufacturing i is applied to.
Assigne	ed Depar	tment O	bjectives							
Teachin	ng Metho	d								
Outline		history efficiend one-sid	of material cy / proces ed lecture, cturing sys	process s contro so that	sing technology, the l. In order to teac students need wo	he production 1 h production in ork actively. So	form aft n gener) each s	er the indu al at this le tudents one	ustrial rev cture, th e should	plain about outline the volution, processing ere is not enough time in summarize the ich shared by all the
Style		Exercise	e							
Notice		The rec	ognition of	credit r	equires 60 points	or more rating	J.			
Course	Plan									
			Theme				Goals			
		1st	Reason w	hy to lea	arn the manufactu	uring system	What		uality pro	ctive by syllabus oducts, about its nt
		2nd	Outline of	product	tion processing		Choo		o make s	some products and
		3rd	Outline of	represe	entative production	n system	Expla	in about re	presenta	tive production system
	3rd	4th	Thinking (nethod	necessary for mai sign, production)	nufacturing	Expla	in about th opment to	e manufa shinmen	acturing flow from
	Quarter	5th	Cost and				Expla			t of cost and quality of
		6th	Each then speech	ne settir	ngs and survey, 5	minutes	Set d	fferent the	mes indi	vidually
2nd Semeste		7th	1 1	ne settir	ngs and survey, 5	minutes	Indivi	dual theme	e analysis	5
		8th	1	ne settir	ngs and survey, 5	minutes	Indivi	dual theme	e analysis	5
	1	a		rk. Opin	ion exchange			ssion on gr	oup	
		9th	Group wo	<u></u>			_			
		9th 10th			ion exchange		Discu	ssion on gr	oup	
				rk, Opin	ion exchange			ssion on gr dual theme		5
	4th	10th	Group wo	rk, Opin each the	ion exchange eme		Indivi		e analysis	
	4th Quarter	10th 11th	Group wo Brush up	rk, Opin each the each the	ion exchange eme eme		Indivi Indivi	dual theme	e analysis e analysis	5
	-	10th 11th 12th	Group wo Brush up Brush up Brush up	rk, Opin each the each the each the	ion exchange eme eme	tation	Indivi Indivi Indivi	dual theme dual theme dual theme	e analysis e analysis e analysis e analysis	5
	-	10th 11th 12th 13th	Group wo Brush up Brush up Brush up	rk, Opin each the each the each the nowledg	ion exchange eme eme eme ge by each presen	tation	Indivi Indivi Indivi Share	dual theme dual theme dual theme within class	e analysis e analysis e analysis e analysis ss each p	5
	-	10th 11th 12th 13th 14th	Group wo Brush up Brush up Brush up Sharing k Final exar	rk, Opin each the each the each the nowledg nination	ion exchange eme eme eme ge by each presen		Indivi Indivi Indivi Share Comp	dual theme dual theme dual theme within class rehensive	e analysis e analysis e analysis ss each p question	s s presentation
Evaluat	-	10th 11th 12th 13th 14th 15th 16th	Group wo Brush up Brush up Brush up Sharing k Final exar Sharing k	rk, Opin each the each the each the nowledg nination nowledg	ion exchange eme eme eme ge by each presen		Indivi Indivi Indivi Share Comp	dual theme dual theme dual theme within class rehensive	e analysis e analysis e analysis ss each p question	s presentation through lecture
Evaluat	Quarter	10th 11th 12th 13th 14th 15th 16th od and	Group wo Brush up Brush up Brush up Sharing k Final exar Sharing k	rk, Opin each the each the each the nowledg nination nowledg	ion exchange eme eme eme ge by each presen	tation	Indivi Indivi Indivi Share Comp	dual theme dual theme dual theme within class rehensive	e analysis e analysis e analysis e analysis ss each p question ss each p	s presentation through lecture
<u>Evaluat</u> Subtotal	Quarter	10th 11th 12th 13th 14th 15th 16th od and	Group wo Brush up Brush up Brush up Sharing k Final exar Sharing k Weight (rk, Opin each the each the each the nowledg nination nowledg	ion exchange eme eme ge by each presen ge by each presen	tation	Indivi Indivi Indivi Share Comp Share	dual theme dual theme dual theme within class rehensive	e analysis e analysis e analysis ss each p question ss each p	s s presentation through lecture presentation
	Quarter	10th 11th 12th 13th 14th 15th 16th od and V Exa	Group wo Brush up Brush up Brush up Sharing k Final exar Sharing k Weight (rk, Opin each the each the each the nowledg nination nowledg	ion exchange eme eme ge by each presen ge by each presen Presentation	tation	Indivi Indivi Share Comp Share Report	dual theme dual theme dual theme within class rehensive	e analysis e analysis e analysis ss each p question ss each p	s presentation through lecture presentation Total
Subtotal	Quarter ion Meth	10th 11th 12th 13th 14th 15th 16th od and Exa 60	Group wo Brush up Brush up Brush up Sharing k Final exar Sharing k Weight (rk, Opin each the each the each the nowledg nination nowledg	ion exchange eme eme ge by each presen ge by each presen Presentation 20	tation	Indivi Indivi Share Comp Share Report 20	dual theme dual theme dual theme within class rehensive	e analysis e analysis e analysis ss each p question ss each p	s presentation through lecture presentation Total 100

Тс	oyama (College	Year	2020		Course Title	Introductior	n to Geoscience
Course	Informa	ntion						
Course Co	ode	0031			Course Categor	y Specializ	ed / Elective	
Class Forr	mat	Lecture			Credits	Academi	c Credit: 2	
Departme	ent	Course	nformation Syste	ms Engineering	Student Grade	Adv. 2nd		
Term		Second S	Semester		Classes per Wee	ek 2		
Textbook Teaching		Teacher	distribution docur	ments				
Instructor		Fukudom	ne Kenichi					
Course								
Through (1) What (2) The g (3) The cl	this cours does the	se, understa the geophy	nding of the follov sical fluid dynami geophisycal fluid eophysical fluid d	wing will be facilita cs dynamics ynamics	ated.			
Rubric					1			
L			Ideal Level of A (Very Good)	Achievement	Standard Level (Good)	of Achievement	Unacceptable Achievement	
Evaluatior	n 1			displays the	Ability to under general idea of fluid dynamics		Unable to un	
Evaluation	n 2		A thorough und the fundament governing ocea atmospheric m	derstanding of al processes anic and	Basic understan the fundamenta governing ocear atmospheric mo	Il processes nic and	Unable to un the fundame governing oc atmospheric	ntal processes eanic and
Assiane	d Depai	tment Ob	•				.	
Teachin			-					
Outline				ntroduce students	to the physics th	nat govern the p	henomena in tl	ne ocean and
Style		Students	are expected to	attend all classes a final presentati	on time. Your gra on (60%).	ade will be base	d participation	(attendance and
Notice			,	physics knowledg	· /	s, partial differe	ntial equations.	
Course	Plan							
			Theme			Goals		
		1st	Introduction to th	ntroduction to the geophysical fluid dynamics			of the ocean an the geophysical	d the atmosphere, fluid dynamics
		2nd	The governing e	quations (1)		Continuity of m Lagrangian and		
		3rd	The governing e	quations (2)		Physical charact state, Thermod	eristics of the c ynamic Equation	ocean, Equation of ns
	3rd Ouarter	4th	The governing ed	quations (3)		Boussinesq app	,	,
	Quarter		Boundary conditio	ons between atmo		The Earth's hea Balance	t budget, Heat	, Water, and Salt
2nd			Geostrophic Flow	. ,		balance		alance, Sverdrup
Semeste			Geostrophic Flow	(2)		Barotropic and	baroclinic flow	
L.		+ +	midterm exam			midterm exam		
			Boundary layers (Boundary layers		
			Boundary layers (Bottom bounda		i transport
			Barotropic ocean Barotropic ocean			Ekman pumping Western bound	/	
	4th Quarter		Barocrinic ocean			physical proper distribution of t		r, global
			Barocrinic ocean	· · ·				salinity s, rossby waves
			Final presentation			Quasigeostroph Final presentati		s, TUSSDY WAVES
			Review session	1		Review session	511	
Evaluati	ion Motl	1	/eight (%)			101010 30351011		
Lvaluati		amination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total
Subtotal	0		30	30	0	0	40	100
Basic Abil			10	10	0	0	20	40
Technical	-/		20	10	0	0	20	50
Ability	0							

Тс	oyama C	ollege	Year	2020		Course Title	Thesis Research I
Course	Informa	tion					
Course Co	ode	0032			Course Categor	y Special	ized / Compulsory
Class Forr	mat		ent / Practical tra		Credits	Acaden	nic Credit: 5
Departme	ent	Course	Information Syste	ems Engineering	Student Grade	Adv. 2r	nd
Term		First Ser	nester		Classes per We	ek 5	
Textbook Teaching							
Instructor	-	Shina To Tsukasa	oru,Akiguchi Shur ,Yoshii Yotsumi,F	isuke,Matoba Ryu uruyama Shoichi	ichi,Oguma Hiros	hi,Tsukada Ak	ira,Ito Nao,Mizumoto Iwao,Aso
Course	Objectiv	es					
1. Studen backgrour 2. Studen 3. Studen	its can sug nd. its can solv	gest, desig /e problem	n and construct r	ental and specific	ich as software, h	development. hardware and	network with considering a social
Rubric					1		
			Ideal Level of	Achievement	Standard Level	of Achieveme	nt Unacceptable Level of Achievement)
methods,	nds, purpo contents,		All elements a	re included.	Acceptable cont	tents.	Lacks of contents.
(Research work 2) Expression of statement, figure and tabular.			es Acceptable exp	pression.	Almost accepta	ble expression	Unacceptable and lack of expression.
(Research The expre and purpo	ession of b	ackgrounds	Acceptable exp	pression.	Almost accepta	ble expression	Unacceptable and lack of expression.
(Research Methodolo	n work 4) ogy		Acceptable me	Acceptable methodologies.		ble	Unacceptable methodologies.
(Research Logical St	ructure		Reasonable log	gical structure.	Almost reasona	ble structure.	Not reasonable logical structure
(Research Critical Th	ninking		Reasonable di		Almost reasona		. Unacceptable discussion.
results	י work 7) א	Validity of	expressed.	expressed.		sults are	Unacceptable results.
(Research Future wo			Clear solutions			and schedule	
		Backgroun	d Reasonable st	Reasonable structure. Acceptab			Unacceptable structure
	tion 2) expression s and figur		Reasonable se figures.	ntences and	Acceptable sentences and figures		Unacceptable sentences and figures
(Presenta Logical sti			Reasonable lo	gical structure	Almost reasonable structure		Not reasonable logical structure
Assigne	d Depar	tment Ob	ojectives				
Teachin	g Metho	d					
Outline		2 years, method, increase necessa will sum [Control	under the superv evaluation meth the comprehensi y for application, marize and prese	visor, acquire the od, and nurture re ve research capal application to pro nt the research re	method of literatu esearch promotion pility through inve oblem solving, an	ure survéy, ex n ability. In lin estigation and alvsis and eva	through major departments 1 and perimental / theoretical analysis e with each concrete theme, education of required knowledge luation of the results obtained. We ecial Study I.
Style		In each Classifica	laboratory, condu ation method, mu	ict research under Iltiple faculty char	the guidance of ge method	the main depu	uty supervisor advisor.
Notice	_	One chie contents instructi	ef examiner and t s of the presentat	ion and the status r evaluation of 50	ors comprehensives of activities base	ely evaluated on the evalu	or. the content of the thesis, the uation criteria table (total table f 30%, an effort status of 20% ,
Course	Plan						
			Theme			Goals	
1st Semeste	1st	1st	Special Research			research subje (Evaluation, D Improvement,	iscussion, Re-Implementation, , Testing, Report)
r	Quarter	2nd	Special Research			research subje (Evaluation, D	eld of specialization necessary for ect viscussion, Re-Implementation, , Testing, Report)

		1	-						
		3rd	Special Research			Study in the field research subject (Evaluation, Disc Improvement, T	ussion, Re-Imple	,	
		4th	Special Research			Study in the field research subject (Evaluation, Disc Improvement, T	ussion, Re-Imple		
		5th	Special Research			Study in the field research subject (Evaluation, Disc Improvement, To	ussion, Re-Imple		
		6th	Special Research			Study in the field of specialization necessary for research subject (Evaluation, Discussion, Re-Implementation, Improvement, Testing, Report)			
		7th	Special Research			Study in the field research subject (Evaluation, Disc Improvement, To	ussion, Re-Imple		
		8th	Special Research			Study in the field research subject (Evaluation, Disc Improvement, To	ussion, Re-Imple		
		9th	Special Research			Study in the field research subject (Evaluation, Disc Improvement, T	ussion, Re-Imple		
	10th		Special Research			research subject (Evaluation, Disc	Study in the field of specialization necessary for research subject (Evaluation, Discussion, Re-Implementation, Improvement, Testing, Report)		
		11th	Special Research			Study in the field research subject (Evaluation, Disc Improvement, T		-	
	2nd	12th	Special Research			Study in the field research subject (Evaluation, Disc Improvement, T		-	
	Quarter	13th	Special Research			Study in the field research subject (Evaluation, Disc Improvement, T		-	
		14th	Special Research			Study in the field research subject (Evaluation, Disc Improvement, T	l of specializatior	n necessary for	
		15th	Special Research			Study in the field research subject (Evaluation, Disc Improvement, T	l of specializatior cussion, Re-Imple	n necessary for	
		16th	Special Research			Study in the field research subject (Evaluation, Disc Improvement, T	l of specialization		
Evaluati	on Metl	hod and V	Weight (%)			/	/		
		amination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total	
Subtotal	10	00	0	0	0	0	0	100	
Report	30)	0	0	0	0	0	30	
Presentati			0	0	0	0	0	50	
Effort	20)	0	0	0	0	0	20	

Тс	Toyama College Course Information		Year	2020		Course Title	Thesis Research II	
Course	Informa	tion						
Course Co	ode	0033			Course Categor	y Special	ized / Compulsory	
Class Forr	mat		ent / Practical tra	3	Credits	Acaden	nic Credit: 5	
Departme	ent	Course	nformation Syste	ms Engineering	Student Grade	Adv. 2r	nd	
Term		Second S	Semester		Classes per We	ek 5		
Textbook Teaching								
Instructor	r	Shina To Tsukasa,	ru,Akiguchi Shun Yoshii Yotsumi,Fi	suke,Matoba Ryu uruyama Shoichi	ichi,Oguma Hiros	hi,Tsukada Ak	ira,Ito Nao,Mizumoto Iwao,Aso	
Course	Objectiv	es						
 Studen backgroui Studen 	its can sug nd. its can solv	gest, desig /e problems	n and construct r	ental and specific	ich as software, ł	development. hardware and	network with considering a social	
Rubric					1			
			Ideal Level of	Achievement	Standard Level	of Achieveme	nt Unacceptable Level of Achievement)	
methods,	nds, purpc contents,	oses, results, re tasks are	All elements a	e included.	Acceptable cont	tents.	Lacks of contents.	
(Research Expressio and tabul	n of stater	nent, figure	es Acceptable exp	pression.	Almost accepta	ble expression	Unacceptable and lack of expression.	
(Research The expre and purpo	ession of b	ackgrounds	Acceptable exp	pression.	Almost accepta	ble expression	Unacceptable and lack of expression.	
(Research Methodolo			Acceptable me	Acceptable methodologies. Almost acceptabl methodologies.		ble	Unacceptable methodologies.	
(Research Logical St	ructure		Reasonable log	jical structure.	Almost reasona	ble structure.	Not reasonable logical structure	
(Research Critical Th	ninking (Reasonable discussion. Almost reasonab			. Unacceptable discussion.	
results	י work 7) א	/alidity of	expressed.			sults are	Unacceptable results.	
(Research Future wo	orks Ó		Clear solutions	future plan and schedule. Acceptable plan an solutions are provided.				
	, ()	Backgroun	d Reasonable str	ucture.	Acceptable stru	cture	Unacceptable structure	
	expression and figur		Reasonable se figures.	ntences and	Acceptable sentences and figures		Unacceptable sentences and figures	
(Presenta Logical st			Reasonable log	gical structure	Almost reasonable structure		Not reasonable logical structure	
Assigne	d Depar	tment Ob	jectives					
Teachin	g Metho	d						
Outline		2 years, method, increase necessar will sum [Control	under the superv evaluation methor the comprehensi y for application, narize and prese	isor, acquire the od, and nurture re ve research capal application to pro nt the research re	method of literatu esearch promotio pility through inve oblem solving, an	ure survey, ex n ability. In lin estigation and alvsis and eva	through major departments 1 and perimental / theoretical analysis e with each concrete theme, education of required knowledge luation of the results obtained. We ecial Study I.	
Style		In each l Classifica	aboratory, condu <u>ition metho</u> d, mu	ct research under Itiple faculty char	the guidance of <u>ge method</u>	the main depu	uty supervisor advisor.	
Notice		To under One chie contents instructio	take subjectively f examiner and to of the presentati	and systematical wo sub-investigat on and the status r evaluation of 50	ly on issues unde ors comprehensives of activities base	ed on the eval	or. the content of the thesis, the uation criteria table (total table f 30%, an effort status of 20% ,	
Course	Plan		· · · · · · · · · · · · · · · · · · ·					
			Theme			Goals		
2nd Semeste	3rd	1st	Special Research			research subje (Evaluation, D Improvement,	iscussion, Re-Implementation, , Testing, Report)	
r	Quarter	2nd	Special Research			Study in the field of specialization necessary f research subject (Evaluation, Discussion, Re-Implementation, Improvement, Testing, Report)		

		3rd	Special Research			research subje	ct scussion, Re-Ir	ation necessary for mplementation, t)
		4th	Special Research			I research subie	ct scussion, Re-Ir	ation necessary for mplementation, t)
		5th	Special Research			I research subie	ct scussion, Re-Ir	ation necessary for nplementation, t)
		6th	Special Research			Study in the field of specialization new research subject (Evaluation, Discussion, Re-Impleme Improvement, Testing, Report)		
	7th 8th		Special Research			I research subie	ct scussion, Re-Ir	ation necessary for nplementation, t)
			Special Research			research subje	ct scussion, Re-Ir	ation necessary for mplementation, t)
		9th	Special Research			Study in the field of specialization necessary for research subject (Evaluation, Discussion, Re-Implementation, Improvement, Testing, Report)		
	10th	10th	Special Research			research subje	ct scussion, Re-Ir	ation necessary for mplementation, t)
	4th	11th	Special Research			 Study in the field of specialization necessary for research subject (Evaluation, Discussion, Re-Implementation, Improvement, Testing, Report) Writing research paper and preparing presentation slides for summarizing the research subjects. Writing research paper and preparing presentation slides for summarizing the research subjects. 		
	Quarter	12th	Special Research					
		13th	Special Research					
		14th	Special Research			Writing research paper and preparing presentation slides for summarizing the research subjects.		
		15th	Special Research	Paper presentat	ion)	Report of the r	esearch subjec	ts.
		16th	Special Research			Summarizing t	he research ac	tivity.
Evaluati	ion Met	hod and \	Weight (%)					
		amination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total
Subtotal	10)0	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
	1=-				- 1			

Т	oyama C	College	Year	2020		Course Title	Advanced Electromagnetic Waves	
Course	Informa	tion						
Course C	ode	0034			Course Categor	y Specializ	zed / Elective	
Class For	mat	Lecture			Credits	Academ	ic Credit: 2	
Departme	ent	Course		ms Engineering	Student Grade	Adv. 2n	d	
Term	and (an	First Seme	ster		Classes per We	ek 2		
Textbook Teaching	Materials							
Instructo	r	Shina Toru						
Course	Objectiv	/es						
 Maxw Uniform Plane 	vell's equat rm plane v waves at	tions	space and dielct d in dispersive	ving will be facilita trics media	ited			
Rubric					1			
			Ideal Level of A (Very Good)		Standard Level (Good)	of Achievemen	t Unacceptable Level of Achievement (Fail)	
Evaluatio	n 1			ands and has the in the Maxwell's uniform plane	Ability to under explain the Max and uniform pla	well's Equatior	Unable to understand and explain the Maxwell's Equations and uniform plane waves.	
Evaluation 2			Clearly underst properties of pl able to explain Has the ability application pro	lane waves and is them in detail. to solve	Ability to explai of plane waves explain them in ability to solve	and is able to detail. Has the	of plane waves. Unable to solve	
Evaluation 3			Clearly underst properties of re standing waves explain them ir ability to solve problems.	eflection and s and is able to n detail. Has the	Ability to explai of reflection and and is able to e detail. Has the basic problems.	d standing wav explain them in ability to solve	s es Unable to explain the properties of reflection and standing waves. Unable to solve basic problems.	
Assigne	d Depar	tment Obje	ectives				•	
	ng Metho							
Outline		In this cou	rse, you will lea	irn about the prine	ciples, properties	and fundamer	ntal physics of electromagnetic	
Style		For the pu	rpose of unders	tanding the Electr			exercises faciliate the learning of	
Notice		The recogn	and examples.	equires 60 points of basic electroma	or more rating.			
Course	Plan		ne knowledge c	Di Dasic electronia		е.		
course		Т	neme			Goals		
				is class. Maxwell's	s Equations		Maxwell's Equations.	
				aves. (1) Introduc	- '		orm plane waves in free space.	
		3rd Ur	niform Plane Wa	aves. (2) Phase Ve			phase and group velocity in free	
		4th Ur		aves. (3) Waves P	wann antion in	space. To explain the	wave propagation in free space.	
	1st Quarter		ee Space. oss Material			•	ne waves in a loss material.	
	Quarter		vanescent Wave	лс.		To explain plai To explain eval		
		7th Pla	ane Waves at B	oundaries. (1) Re . (a) Conductor			reflection of uniform plane waves	
		Oth Pla	ane Waves at B	oundaries. (1) Re . (b) Dielectronic	flection at		reflection of uniform plane waves	
1st Semeste		Oth Pla	ane Waves at B	oundaries. (2) Re Angles. (a) Cond	flection at		reflection of uniform plane waves	
r		1 OH	ane Waves at B	oundaries. (2) Re e Angles. (b) Diele	flection at	To explain the at boundaries.	reflection of uniform plane waves	
			continue			To explain the at boundaries.	reflection of uniform plane waves	
	2nd Quarter		anding Waves. rcuit	(1) Impedance ar		To explain Star circuits.	nding Waves and distributed	
		13th St	anding Waves.	(2) Reflection		To explain the waves and reflection.	relationship between standing	
			nding Wave (3) Reflection Coefficient			To explain reflection coefficient at standing		
		14th St	anding Wave. (3) Reflection Coef		l o explain refle waves.	ection coefficient at standing	
			anding Wave. (nal examination		Incient		-	
		15th Fir				waves. Final examinat	-	

	Examination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total
Subtotal	60	0	0	0	0	40	100
Basic Ability	0	0	0	0	0	0	0
Technical Ability	60	0	0	0	0	40	100
Interdisciplinar y Ability	0	0	0	0	0	0	0

Тс	oyama C	ollege	Year	2020			ourse Title	Trade Procedure in Port	
	Informa	- ī			1	,			
Course Co		0035			Course Catego	<i>′</i>		ed / Elective	
Class Forr	mat	Lecture	formation Curt-		Credits		Academi	c Credit: 2	
Departme	ent	Control In	formation Syste	ms Engineering	Student Grade		Adv. 2nd		
Term		First Sem			Classes per We		2		
Textbook Teaching		ASAZUMA shijyou-ch handouts	iyuukosya • chyι	A Tomoko, TOGA Jukobuhin no koku	WA Kenichi, OKA Jsai ryuutsuu-" S	AMOTO Seizando	Katsunor ou syote	i "Jidousya riyuusu to guroubaru n, 2017.And we will distribute the	
Instructor	-	Okamoto	Katsunori						
Course	Objectiv	es							
	s get basi	c knowledge	about Incoterm	s and procedures	of port transpor	tation, o	customs	clearance, and payment terms.	
Rubric									
			Ideal Level of A (Very Good)	Achievement	Standard Level (Good)	of Achi	evement	Unacceptable Level of Achievement (Fail)	
Evaluatior	ח 1		about technica Incoterms and port transporta clearance, and As a result, the	procedures of ation, customs payment terms. ey will be able to hose purposes, aults with	Students will b about technica Incoterms and port transporta clearance, and	l terms procedu ation, cu	of ures of Istoms	technical terms of Incoterms and procedures of port transportation, customs	
Assigne	d Depar	tment Obj	ectives						
Teachin	g Metho	d							
Outline					sportation, cust	oms cle	arance, a	and payment terms with mutual	
Style			the case of use / single teacher.	•					
Notice Course	Plan	Student's	final grade will examination :	rehand the designa be decided based 100% arn at least 60 poin	on the following	uired ma j:	aterials.		
		Т	heme			Goals			
		1st T	e functions and economic roles of ports			goal, a	nd way c	e able to understand the plan, of assess about this subject.	
		2nd T	he functions and	d economic roles o	of ports	ports.	ts will de	e able to understand concepts of	
				itutions of transportation for export –in the e of used car export-			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 Quarter			stitutions of transportation for export –in the se of used car export-			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				nsportation for ex of used car expor		Studen	ts will be	e able to understand major pre- rcial terms for trade in Incoterms.	
		6th II	nstitutions of tra ow –in the case	nsportation for ex of used car expor	port with cargo t-			e able to understand major pre- rcial terms for trade in Incoterms.	
				nsportation for ex of used car export				e able to understand major pre- rcial terms for trade in Incoterms.	
				nsportation for ex ase of used car ex		transpo	ortation ι e to unde	mprehend procedures of port Intil issuance of B/L. And they will rstand the roles of each	
	2nd			nsportation for ex ase of used car ex		transpo	ortation ι e to unde	mprehend procedures of port Intil issuance of B/L. And they will rstand the roles of each	
	Quarter			stoms clearance fo the case of used	car export-	clearan able to	ice until i understa n, they v	mprehend procedures of customs ssuance of E/P. And they will be and the roles of each document. In vill understand about details and	

		11th	Procedures of cus cargo flow (2) –ir	stoms clearance f In the case of used	or export with d car export-	clearance until able to underst	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 pay cargo flow –in the	vment terms for one case of used ca	export with r 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. 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.			
		13th	Procedures of pay cargo flow –in the						
		14th	Procedures of tax cargo flow -in the	refound for expo e case of used ca	orters with r export-	Students will correfound for exp		ocedures of tax	
		15th	A terminal exami	nation		Teacher confirms achievement degree of each student for all lectures.			
		16th	Return answer pa answer	pers and explain	about model	Students and teacher confirm score of examination and achievement of this subject.			
Evaluati	on M	ethod and	Weight (%)						
		Examination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total	
Subtotal		100	0	0	0	0	0	100	
Basic Abili	ty	0	0	0	0	0	0	0	
Technical Ability		100	0	0	0	0	0	100	
Interdiscip y Ability	olinar	0	0	0	0	0	0	0	

	oyama C	ollege	Year	2020		Course Title	Port Logistics
Course	Informa	tion			1		
Course Co		0037			Course Category		ed / Elective
Class For	mat	Lecture			Credits	Academi	c Credit: 2
Departme	ent	Course	nformation System	ms Engineering	Student Grade	Adv. 2nd	
Term		First Sem			Classes per Wee		
Textbook Teaching	and/or Materials	kouwan": "Jidousya	Seizandou syoten A riyuusu to gurou	. 2001.ASAZUMA	Yutaka, FUKUDA uukosya•chyuuk	Tomoko, TOG/	endai nihon keizai to AWA Kenichi, OKAMOTO Katsunor sai ryuutsuu-" Seizandou syoten,
Instructor	r	Okamoto	Katsunori				
Course	Objectiv	es					
Students understar	study port nd the issu	: logistics. Si les in port lo	tudents understan gistics.	nd the economic f	unctions of port f	acilities and the	e logistics of port logistics and
Rubric		•	5				
			Ideal Level of A (Very Good)	Achievement	Standard Level o (Good)	of Achievement	Unacceptable Level of Achievement (Fail)
Evaluation 1			about port logis will be able to e economic funct facilities and th	explain the tions of port e logistics of port technical terms. Idents will be	Students will be about port logist will be able to ex economic function facilities and the logistics using te	ics. Students plain the ons of port logistics of por	Students can not explain port logistics using technical terms. Students can not explain the economic functions of port t facilities and the logistics of por logistics using technical terms.
Assigne	d Depar	tment Ob	jectives				
Teachin	ng Metho	d					
Outline		regional e	learn the role po economy. In addi in harbors.	rt logistics plays in tion, students will	n society from the learn the conten	e relationship b ts and transfor	etween port logistics and the mation of logistics operations,
Style			y single teachers				
Notice		Student' Term-ei	s final grade will nd examination :	ehand the design be decided based 100% Irn at least 60 poi	on the following:	red materials.	
Course	Plan						
		-	Theme			Soals	
		1st (Guidance				able to understand the plan,
							f assess about this subject.
		2nd F	Position of Japane	ese port in the wo	rld	Students unders	f assess about this subject. stand the international of Japanese ports.
				ese port in the wo cialization in indus	rld s	Students unders competitiveness Students unders	stand the international
	1st	3rd I		cialization in indus	rld Sc try F	Students unders competitiveness Students unders corizontal interr	stand the international of Japanese ports. stand development of the national specialization.
	1st Quarter	3rd 1 4th F	International spec	cialization in indus	rld c try F	Students unders competitiveness Students unders corizontal interr Students unders ogistics hub.	stand the international of Japanese ports. stand development of the
		3rd 1 4th F 5th F	International spec	cialization in indus hub hub	rld Sc try F sk k sk k sk k sk k sk k sk k sk k sk	Students unders competitiveness Students unders corizontal interr Students unders ogistics hub. Students unders oub.	stand the international of Japanese ports. stand development of the national specialization. stand occurrence factor of ports as stand factor of ports as logistics stand devepopment of logistics
		3rd 1 4th F 5th F 6th F	International spec Ports as logistics I Ports as logistics I	cialization in indus hub hub cs base in port	rld Sc try F Sc Sc F Sc F Sc Sc Sc Sc Sc Sc Sc Sc Sc Sc Sc Sc Sc	Students unders competitiveness Students unders corizontal interr Students unders ogistics hub. Students unders ob. Students unders oase and it's rol	stand the international of Japanese ports. stand development of the national specialization. stand occurrence factor of ports as stand factor of ports as logistics stand devepopment of logistics e. stand devepopment of logistics
		3rd 1 4th F 5th F 6th F 7th F	International spec Ports as logistics I Ports as logistics I Build up to logisti	cialization in indus hub hub cs base in port cs base in port	rld Sc try F Sc Sc Sc Sc Sc Sc Sc Sc Sc Sc Sc Sc Sc	Students unders competitiveness students unders corizontal interr students unders cogistics hub. Students unders case and it's rol students unders case and it's rol	stand the international of Japanese ports. stand development of the national specialization. stand occurrence factor of ports as stand factor of ports as logistics stand devepopment of logistics e. stand devepopment of logistics e. stand devepopment of logistics e.
1st Semeste r		3rd 1 4th F 5th F 6th F 7th F 8th F	International spec Ports as logistics l Ports as logistics l Build up to logisti Build up to logisti	cialization in indus hub hub cs base in port cs base in port cs base in port	rld Sc try Sr sc sc sc sc sc sc sc sc sc sc sc sc sc	Students unders competitiveness Students unders corizontal interr Students unders cogistics hub. Students unders case and it's rol Students unders case and it's rol Students unders case and it's rol	stand the international of Japanese ports. stand development of the national specialization. stand occurrence factor of ports as stand factor of ports as logistics stand devepopment of logistics e. stand devepopment of logistics e. stand devepopment of logistics e.
		3rd 1 4th F 5th F 6th F 7th F 8th F	International spec Ports as logistics l Ports as logistics l Build up to logistic Build up to logistic Build up to logistic	cialization in indus hub hub cs base in port cs base in port cs base in port logistics	rld Solorithe So	Students unders competitiveness students unders corizontal interr students unders cogistics hub. Students unders case and it's rol students unders case and it's rol	stand the international of Japanese ports. stand development of the national specialization. stand occurrence factor of ports as stand factor of ports as logistics stand devepopment of logistics e. stand devepopment of logistics e. stand devepopment of logistics e.
		3rd 1 4th F 5th F 6th F 7th F 8th F 9th 6	International spect Ports as logistics l Ports as logistics l Build up to logistic Build up to logistic Build up to logistic Character of port	cialization in indus hub hub cs base in port cs base in port cs base in port logistics	rld Solor try Spin try Spin Spin Spin Spin Spin Spin Spin Spin	Students unders competitiveness students unders corizontal interr students unders cogistics hub. Students unders case and it's rol students unders case and it's rol students unders case and it's rol students unders costics. Students unders cogistics.	stand the international of Japanese ports. stand development of the national specialization. stand occurrence factor of ports as stand factor of ports as logistics stand devepopment of logistics e. stand devepopment of logistics e. stand devepopment of logistics e. stand devepopment of logistics e. stand devepopment of logistics e.
		3rd 1 4th F 5th F 6th F 7th F 8th F 9th 6 10th F	International spec Ports as logistics l Ports as logistics l Build up to logistic Build up to logistic Build up to logistic Character of port Character of port	cialization in indus hub hub cs base in port cs base in port cs base in port logistics logistics	rld Sc try Sr Sc Sc Sc Sc Sc Sc Sc Sc Sc Sc Sc Sc Sc	Students unders competitiveness students unders corizontal interr students unders cogistics hub. Students unders case and it's rol students unders case and it's rol students unders case and it's rol students unders cogistics. Students unders cogistics. Students unders cogistics. Students unders cogistics.	stand the international of Japanese ports. stand development of the national specialization. stand occurrence factor of ports as stand factor of ports as logistics stand devepopment of logistics e. stand devepopment of logistics e. stand devepopment of logistics e. stand devepopment of logistics e. stand five character of port stand five character of port stand system of free trade zone
		3rd 1 4th F 5th F 6th F 7th F 8th F 9th 0 10th F 12th F	International spec Ports as logistics I Ports as logistics I Build up to logistic Build up to logistic Build up to logistic Character of port Character of port Free trade zone	cialization in indus hub hub cs base in port cs base in port cs base in port logistics logistics	rld Solor try Spin Spin Spin Spin Spin Spin Spin Spin	Students unders competitiveness students unders corizontal interr students unders cogistics hub. Students unders case and it's rol students unders case and it's rol students unders case and it's rol students unders cogistics. Students unders cogistics. Students unders cogistics. Students unders cogistics. Students unders cogistics. Students unders cogistics. Students unders cogistics. Students unders cogistics. Students unders cogistics.	stand the international of Japanese ports. stand development of the national specialization. stand occurrence factor of ports as stand factor of ports as logistics stand devepopment of logistics e. stand devepopment of logistics e. stand devepopment of logistics e. stand devepopment of logistics e. stand five character of port stand five character of port stand system of free trade zone stand the purpose and background EDI. stand the role of 3 PL and the
	Quarter	3rd 1 4th F 5th F 6th F 7th F 8th F 9th G 10th F 12th F 13th G	International spec Ports as logistics I Ports as logistics I Build up to logistic Build up to logistic Build up to logistic Character of port Character of port Free trade zone Management of In	cialization in indus hub hub cs base in port cs base in port logistics logistics	rld Solor try Spin Spin Spin Spin Spin Spin Spin Spin	Students unders competitiveness students unders orizontal interr Students unders ogistics hub. Students unders obseand it's rol Students unders oase and it's rol Students unders oase and it's rol Students unders ogistics. Students unders ogistics. Students unders of port logistics Students unders of port logistics Students unders of port logistics Students unders obseand of is Students unders obseand of is Students unders obseand of is	stand the international of Japanese ports. stand development of the national specialization. stand occurrence factor of ports as stand factor of ports as logistics stand devepopment of logistics e. stand devepopment of logistics e. stand devepopment of logistics e. stand devepopment of logistics e. stand five character of port stand five character of port stand system of free trade zone stand the purpose and background EDI. stand the role of 3 PL and the
	Quarter	3rd 1 4th F 5th F 6th F 7th F 8th F 9th 0 10th F 12th F 13th 0	International spec Ports as logistics I Ports as logistics I Build up to logistic Build up to logistic Build up to logistic Character of port Character of port Free trade zone Management of In Dutsourcing of po	cialization in indus hub hub cs base in port cs base in port logistics logistics nformation orts	rld Science of the second seco	Students unders competitiveness students unders corizontal interr Students unders cogistics hub. Students unders cose and it's rol Students unders cose and it's rol Students unders cose and it's rol Students un	stand the international of Japanese ports. stand development of the national specialization. stand occurrence factor of ports as stand factor of ports as logistics stand devepopment of logistics e. stand devepopment of logistics e. stand devepopment of logistics e. stand five character of port stand five character of port stand system of free trade zone stand the purpose and background EDI. stand the role of 3 PL and the so occurrence. stand the mechanism of sportation. In addition, relationship with port logistics e position of forwarders.

	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	100	0	0	0	0	0	100
Interdisciplinar y Ability	0	0	0	0	0	0	0

Toyama College		Year	2020		Course Title	International Relations			
Course	Informa				1				
Course Code 0042 Course C Class Format Lecture Credits						ry Specialized / Elective Academic Credit: 2			
		Lecture Control Inf	ormation Syste	ms Enaineerina	Credits Student Grade				
Departme	Course					Adv. 2n			
Textbook and/or					Classes per Wee	Week 2			
Teaching Materials									
Instructor	r Objectiv	Ebihara Ts	uyosni						
1. Studen 2. Studen 3. Studen	nts can und nts can und nts can und	derstand the o derstand the r derstand the i	major internatio	ories and the fran nal orders from tl ations in the East he region.	ne Modern period	to the conterr	ns. porary era. rim from the aspects of the		
Rubric						<u></u>			
			Ideal Level of A (Very Good)	Achievement	Standard Level (Good)	of Achievemen	t Unacceptable Level of Achievement (Fail)		
Evaluatio	n 1		Students can p understand the theories and th international re	e cocepts, the ne frameworks of	Students can ur cocepts, the the frameworks of i relations.	ories and the	Students cannot understand the cocepts, the theories and the frameworks of international relations.		
Evaluatio	n 2		Students can p understand the international or Modern period contemporary	e major rders from the to the	Students can ur major internation the Modern perion contemporary e	onal orders from od to the	Students cannot understand the major international orders from the Modern period to the contemporary era.		
Evaluation 3			Students can p understand the relations in the region including from the aspec bilateral relatio countries in the	e international East Asian g Japan Sea rim ts of the Japan's ons with the	Students can 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.		is of the Japan's bilateral relations		
Assiane	d Depar	tment Obje			1				
	ng Metho								
Outline		This course	e focuses on the	e way of understa	nding the reality	of internationa	l relations formed by the various		
Style		This course the import internation internation states' pov internation	e consists of two ant elements of al orders since al order after C ver under the tr al relations in t	o parts. In the firs the framework o the modern perio old War. In the se end of globalization he East Asia regio	t part, the instru f international rel d in order to let s econd part, the ir on, and then stuc n including Japar	ctor will teach ations, and the students unders structor will te lents will try to b Sea rim with	the basic concepts and theories as en, will teach the major stand the characteristics of the ach the analytical framework of the analyze the real situations of the framework.		
Notice		In this cou Because th papers acc	rse, students m ne instructor val cording to the in	nust read and sum lues the contents Instructions.	imarize the main of the papers in t	points of the p he evaluation,	apers or books before the class. it is neccesary for students to write		
Course	Plan					<u> </u>			
				-		Goals Students can understand the course contents and			
		1st Co	Course orientation Main theme of the international rel Characteristics of international soci Major actors of international relation Theory of international relations # Theory of international relations #			goal. Students can understand the main them			
		2nd Cł			ety	international re international so	elations and the characteristics of ociety.		
		3rd Ma				Students can u international re	derstand major actors of ations		
	3rd Quarter	4th Tł			L	of international			
	Quarter	5th Tł			2	Students can u Theories of inte	nderstand the the Liberalist ernational relations.		
2nd		6th In	nternational relations in Modern ti			Students can understand the formation of t Modern international relations.			
Semeste r		7th In	ternational rela	tions in Modern ti	mes #2	Students can understand the major internationa orders from the WWI to WWII.			
		8th In	ternational relations in Modern times #3			Students can understand the major international orders during the Cold War.			
		9th In	ternational rela	tions in Modern ti	moc #4	Students can understand the transfomation of international order after the Cold War.			
		10th Gl	obalization and	states #1	:	Students can understand the concept of globalization and its influence on states.			
	4th Quarter	11th Gl	obalization and	states #2		Students can u	nderstand the power of states		
		12th Ar	nalysis of the international relations in the East sian Region including Japan Sea rim #1						

		13th	Analysis of the international relations in the East Asian Region including Japan Sea rim #2 Students can give a presentation and have discussion of the international relations in the Asian Region including Japan Sea rim.						
		14th	Analysis of the int Asian Region inclu	ternational relati uding Japan Sea	ions in the East rim #3	Students can give a presentation and have discussion of the international relations in the East Asian Region including Japan Sea rim.			
		15th	Analysis of the int Asian Region inclu	ternational relati uding Japan Sea	ions 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	valuation	aluation				
Evaluatio	on Me	ethod and V	Veight (%)						
		Examination	Presentation	homework	Behavior	Portfolio	Paper	Total	
Subtotal		0	15	15	0	0	70	100	
Basic Abilit	.y	0	0	0	0	0	0	0	
Technical Ability		0	15	15	0	0	70	100	
Interdisciplinar y Ability		0	0	0	0	0	0	0	

Toyama College		Year	2020		Course Title	Biological Information Engineering		
Course	Informa	tion			1			
Course C	Code	0043			Course Category	Specialized / Elective		
Class For	rmat	Lecture			Credits	Academ	ic Credit: 2	
Departm	ent	Control Ir Course	formation Syste	ms Engineering	Student Grade	Adv. 2n	d	
Term		First Sem	ester		Classes per Week	ek 2		
	and/or							
<u>i eaching</u> Instructo	<u>Materials</u>	Tsukada A	Akira					
	Objectiv							
After lear 1. Descri	rning this c	ourse the stundations of e	udents should be lectroencephalog ement of electroe digital signal pro	araphy.	by their own desig / some filters to th	n and implem e wave.	ent system.	
Rubric								
			Ideal Level of A (Very Good)	Achievement	Standard Level of (Good)	Achievemen	t Unacceptable Level of Achievement (Fail)	
Evaluatio	on 1		Be able to desc electroencepha detail.		Be able to describ foundations of electroencephalo		Be not able to describe the foundations of electroencephalography.	
Evaluation 2			Be able to perference	lography by their	Be able to perform	n quantitativ		
Evaluation 3			Be able to desc signal processi some filters to effect.	cribe the digital ng well and apply the wave with	Be able to describ signal processing filter to the wave	and apply a	Be not able to describe the digital signal processing	
Assiane	ed Depar	tment Obj						
	ng Metho							
Outline		organisms	s can be used as ect focuses on bio	models for the de omedical measure	esign and engineer ement, beginning v	ing of materi vith study of	electroencephalography(EEG).	
		organisms This subje following retrieval a Lectures I Design, in Presentat	s can be used as ect focuses on bio to design and im and analysis. ed by both teach nplement and ex ions by students	models for the domedical measure oplement the measure ner and students operimentation by	esign and engineer ement, beginning v surement devices, students	ing of materi vith study of following to	als and machines. electroencephalography(EEG), data acquisition and finally to	
Outline Style Notice		organisms This subje following retrieval a Lectures I Design, in Presentat Prerequisi This subje with the r	s can be used as ect focuses on bit to design and im and analysis. ed by both teach nplement and ex ions by students ite: Knowledge o ect is open to stu esponsibility to c	models for the domedical measure oplement the measure mer and students operimentation by	esign and engineer ement, beginning v surement devices, students circuit, digital signa interest in biologica project.	ing of materi vith study of following to l processing,	als and machines. electroencephalography(EEG), data acquisition and finally to	
Style Notice	Plan	organisms This subje following retrieval a Lectures I Design, in Presentat Prerequisi This subje with the r	s can be used as ect focuses on bit to design and im and analysis. ed by both teach nplement and ex ions by students ite: Knowledge o ect is open to stu esponsibility to c	models for the do omedical measure oplement the measure per and students perimentation by of op-amp based of idents having an ison party out a team p	esign and engineer ement, beginning v surement devices, students circuit, digital signa interest in biologica project.	ing of materi vith study of following to l processing,	als and machines. electroencephalography(EEG), data acquisition and finally to 	
Style Notice	Plan	organisms This subje following retrieval a Lectures I Design, in Presentat Prerequisi This subje with the r The recog	s can be used as ect focuses on bit to design and im and analysis. ed by both teach nplement and ex ions by students ite: Knowledge o ect is open to stu esponsibility to c	models for the do omedical measure oplement the measure per and students perimentation by of op-amp based of idents having an ison party out a team p	esign and engineer ement, beginning v surement devices, students circuit, digital signa interest in biologica project. or more rating.	ing of materi vith study of following to l processing,	als and machines. electroencephalography(EEG), data acquisition and finally to 	
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Style Notice	Plan	organisms This subje following retrieval a Lectures I Design, in Presentat Prerequisis This subje with the r The recog	s can be used as ect focuses on bid to design and im and analysis. ed by both teach nplement and ex ions by students ite: Knowledge o ect is open to stu esponsibility to c unition of credit r heme Guidance	models for the d omedical measure plement the mea ner and students perimentation by of op-amp based of dents having an i carry out a team p requires 60 points	esign and engineer ement, beginning v surement devices, students circuit, digital signa interest in biologica or oject. or more rating.	ing of materi vith study of following to l processing, al engineering oals) Bio-Inform 2) Outline of t	als and machines. electroencephalography(EEG), data acquisition and finally to programming. and information system design ation Engineering he subject pencephalography(EEG) and its	
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Style Notice Course	1st Quarter	organisms This subje following retrieval a Lectures I Design, in Presentat Prerequisi This subje with the r The recog I T 1st G 2nd A 3rd 4 4th M 5th 6th C 7th 8th C 9th 10th 11th	s can be used as ect focuses on bid to design and im and analysis. ed by both teach nplement and ex ions by students te: Knowledge o ect is open to stu esponsibility to c inition of credit r heme Suidance bout electroence leasurement of E Data aquisition	models for the domedical measure operand students operimentation by of op-amp based of idents having an it carry out a team p equires 60 points ephalographs(EEG EEG	esign and engineer ement, beginning v surement devices, students ircuit, digital signa interest in biologica or more rating. G (1 (2 5) Si Si Si Si Si Si Si Si Si Si Si Si Si	ing of materi vith study of following to a processing, a engineering bals bals bals bals bals bals bals bals	als and machines. electroencephalography(EEG), data acquisition and finally to programming. and information system design ation Engineering he subject pencephalography(EEG) and its system cent developments in applying EE mentation amplifier gue filters g-to-digital converter l signal processing, suach as FIR coherent averaging ss the development of the system with teamwork individual role in the team and onsibility individual role in the team and onsibility	
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Style Notice Course	1st Quarter 2nd	organisms This subje following retrieval a Lectures I Design, in Presentat Prerequisis with the r The recog and A 3rd A	s can be used as ect focuses on bid to design and im and analysis. ed by both teach nplement and ex ions by students te: Knowledge of ect is open to stude esponsibility to of inition of credit r heme Suidance bout electroence leasurement of B Data aquisition Course Project - I neasurement sys	models for the domedical measure operand students operimentation by of op-amp based of idents having an it carry out a team p equires 60 points ephalographs(EEG EEG	esign and engineer ement, beginning v surement devices, students circuit, digital signa interest in biologica or more rating.	ing of materi vith study of following to all processing, all engineering bals blo-Inform casurement cudy of electric cudy of electric cudy of electric cudy of electric cudy of analog cudy of digital ter, FFT and an and discus easurement cudy of digital ter, FFT and an and discus easurement ork with resp noerstand an ork with resp noerstand an ork with resp noerstand an ork with resp ata analysis a resentation an nal exam	als and machines. electroencephalography(EEG), data acquisition and finally to programming. and information system design ation Engineering he subject bencephalography(EEG) and its system cent developments in applying EE mentation amplifier gue filters g-to-digital converter l signal processing, suach as FIR coherent averaging as the development of the system with teamwork individual role in the team and onsibility individual role in the team and onsibility individual role in the team and onsibility individual role in the team and onsibility of EEG or investigation of failure ind concideration	

	Examination	Experimental Participation and Presentation	Behavior	Portfolio	Other	Total
Subtotal	40	60	0	0	0	100
Basic Ability	10	0	0	0	0	10
Technical Ability	30	50	0	0	0	80
Interdisciplinary Ability	0	10	0	0	0	10

Toyama College			Year	2020	Course Title N		Network System	
Course 1	Informa	tion						
Course Co	de	0044			Course Category	/ Special	ized / Elective	
Class Forr	nat	Lecture		Credits		Acaden	nic Credit: 2	
•	Course Course			ms Engineering			nd	
Term	17	First Seme	ester	Classes per Week 2				
Textbook Teaching		CISCO CC	ENT/CCNA Rout	ing and Swittychn	g ICND1v3.0(SH	OEISHA)		
Instructor		Aso Tsuka	sa					
Course	Objectiv	es						
 (1) The rc (2) Desigr (3) Establ 本講義を通 (1) TCP/II (2)サブネッ 	oles of swit n of IP add ishing a no iじて、次の Pアーキティ ットを含む	tching device Iressing with etworking in)項目を理解す フチャに対応付 IPネットワー?	s on TCP/IP arc the subnet in a a virtual LAN en	n IP network vironment with sv ノます。 ーク構成に必要な中 計算ができる。	witchina technolo	gies 明できる。		
Rubric								
			Ideal Level of A (Very Good)	Achievement	Standard Level (Good)	of Achievemer	nt Unacceptable Level of Achievement (Fail)	
Evaluation 1			Clearly underst architecture an of protocols, ar ability to explai each protocol in TCP/IP階層とプ	d the overview nd displays the in the role of n detail. ロトコルの全体像 プロトコルの役割	Ability to explain the overview and concept of TCP/IP		Unable to explain the TCP/IP architecture and protocols. TCP/IPの各階層とプロトコルを説	
Evaluation 2			Clearly underst network device networking, an ability to make addressing and the network. IPネットワーク材	ands the is 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 explain IP networking and IP addressing. IPネットワークの構成やIPアドレ していて説明できない。	
Evaluatior	ı 3		networking and ability to config networks on sw VLANの概念を理	jure virťual LAN vitches. E解しており、スイ /LANを含むネット	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		ry Unable to carry out the fundamental procedure to . configure a LAN using switches. 誠 LANを構成するためのスイッチを 目 用いた基本的な手順を実行するこ	
Evaluation 4			routing devices ability to propo routing devices control betwee ルータの役割を	理解しており、ル 経路制御を設計し			fundamental procedure for configuring routing devices.	
Assigne	d Depar	tment Obje	ectives					
		2						
Teaching Method Outline 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 system. This course consists of lectures and practices that are organized to facilitate the learning of practical meth 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、ネットワーク構築に必要な 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 手順を踏まえながら実践的な知識を深める。								
(1)For the learning o (2)For the according (1)構築過 (2)課題を記			purpose of und f practical metho purpose of lear to the specificat 記を明確に意識さ 設定して、その実	erstanding the product of configuration ods of configuration ning practical met ion of assigned ne せるために、設計を 現に取り組み,ネッ	rocedure of designing networks, lectures and exercises faciliate t ons. thods of networking, students are required to build networks etwork configurations. む座学として行い、その実装を演習として行う。 ットワーク設定と実践的なネットワーク構築を行う。			
Notice								
Course	Plan	I				<u> </u>		
			neme			Goals Guidance: Dis	cuss the goals and structure of this	
1st Semeste	1st Ouartor		uidance イダンス		0	course.	め方について理解する。	
r	Quarter	2nd N 才	2nd Networking fundamentals -1- ネットワーク構築基礎-1			Introduce TCP/IP networking and IP addr TCP/IP階層の概要とIPアドレスについて学ぶ		

	3rd	Ni ネ	etworking fundar ットワーク構築基	mentals -2- 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の概念について学ぶ。				
	4th		letworking fundamentals -3- ペ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 いて学ぶ。				
	5th	Sth 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. ここまでの内容について、VLANを含まないLANを設計 するために必要な応用力を演習を通じて確認する。			
	6th		xercise in fundam ットワーク構築演	nental networking 習-2	g -2-	Perform exercise to apply current knowledge for designing VLANs. ここまでの内容について、VLANを構築するために必 要な応用力を演習を通じて確認する。				
	7th	Re 学	eview of fundame 習内容の確認	w of fundamental networking 内容の確認			ation to assess c ついて確認試験に			
	8th	Te ネ	echnology trends ットワークの技術	in networking a 動向	nd applications.	Introduction to th application techn 最近のネットワー	ology.	5		
	9th	Pr ネ	ractical applicatio ットワーク構築実	ons of networks - '꾑-1	1-	Practical training in setting methods require 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 , 実習により学ぶ。				
	10th	Pr ネ	ractical applicatio ットワーク構築実	ns of networks - 漝-2	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関して ,課題実習を通じて学ぶ。				
	11th	Su (1 ネ	ummary of the p .,2) ットワーク構築演	ractical applicatic 習1,2のまとめ	ons of networks	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まとめて定着 を図る。				
2nd Quart	er 12th	Pr ネ	ractical applicatio ットワーク構築実	ons of networks - 習-3	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,実践的に 学ぶ。				
	13th	13th Practical applications of networks -4- ネットワーク構築実習-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,実践的に学ぶ。 Confirm exercise contents, write reports and check (3,4). 実習内容を確認し、報告書を作成を通じてまとめる。				
	14th 15th		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							
			nal exam. l末試験			Final examination. 学習内容に関する試験を行う.				
	16th	Si	ummary 義のまとめ・成績	評価・確認			tudy content an	d confirm grades. 行う。		
Evaluation M	ethod ar			1	1					
	Examination		Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total		
Subtotal	80		20	0	0	0	0	100		
Basic Ability	40		10	0	0	0	0	50		
Technical Ability	40		10	0	0	0	0	50		
Interdisciplinar y Ability	0		0	0	0	0	0	0		