	CI						our a week	N	TI	Necessary	TT 22 - 2
Code	Classific ation	A completion requirements item name and subject name	Instructor	Unit	Spring and Summer Terms	Grade Fall and Winter Terms	Spring and	Grade Fall and Winter Terms	Unit multiplication method	lower limit units	Upper limi units
		Total							1+2	30	
		1.Advanced Liberal Arts Educational subjects (select from	n the attached list "「高度教養	教育科	目リスト(情報基	礎数学専攻)」)				2	
		2.Major Subjects · Advanced Global Literacy Educational	subjects						(1)+(2)	28	
		(1)Core Subjects							(1,1)+(1,2)	22	
		(1,1)Core Subjects (Required)							Σ	9	
331136	M	Research on Pure and Applied Mathematics Ia	All Staff	4	12	10				_	
331137		Research on Pure and Applied Mathematics Ib	All Staff	4	9 (0)	12			-		
331152	G	Study of Literature on Pure and Applied Mathematics (1,2)Core Subjects (Elective)	All Staff	1	2 (Spring)				7	0	_
331121	M	Pure and Applied Algebra		2					<u> </u>	0	
331122		Pure and Applied Geometry		2					1		
331123		Pure and Applied Analysis	Makoto Nakamura	2		2			1 \		
331124 331125		Combinatorics Geometric Structure		2					1		
331126		Discrete Structure		2					1		
331127	M	Applied Analysis	Tsuyoshi Chawanya	2	2				1 \		
31128	M	Mathematical Science		2					\		
331129 331130	M M	Computer Assisted Mathematics Computational Mathematics I	Yuto Miyatake Daisuke Furihata	2	2 2				\		
331131		Computational Mathematics II	Tsuyoshi Chawanya	2		2			1		
31132	M	Applied Mathematics	Yoshie Sugiyama	2	2				1		
331133	M	Review on Pure and Applied Mathematics I	(Not decided)	2	2				1		
31134		Review on Pure and Applied Mathematics II	Takehiko Morita	2	2	2			ļ \	\	
331135 331138		Topics in Frontiers of Mathematics Research on Pure and Applied Mathematics IIa	Kouichi Yasui All Staff	4	1	Z	12		†	\	
331139		Research on Pure and Applied Mathematics IIb	All Staff	4	<u></u>			12	<u> </u>		
331140		Frontiers of Pure and Applied Mathematics M(A)		1	1				1	\	
331141	M	Frontiers of Pure and Applied Mathematics M(B)		1					1	\	
331142 331143	M M	Frontiers of Pure and Applied Mathematics M(C) Frontiers of Pure and Applied Mathematics M(D)	(Atsuhira Nagano)	1		1			†	\	
331144		Frontiers of Pure and Applied Mathematics M(E)	(Shuhei Tsujie)	1		1			†	\	
331145	M	Frontiers of Pure and Applied Mathematics M(F)		1					Ī	\	
331146		Frontiers of Pure and Applied Mathematics M(G)	(Hiroshi Iriyeh)	1		1				`	\
331147 331148	M M	Frontiers of Pure and Applied Mathematics M(H) Frontiers of Pure and Applied Mathematics M(I)	(Kouki Taniyama) (Ryoko Tomiyasu)	1	1	1			+		
31149		Frontiers of Pure and Applied Mathematics M(J) Frontiers of Pure and Applied Mathematics M(J)	(Kenta Hayano)	1		1			-		\
331150		Frontiers of Pure and Applied Mathematics M(K)	Carrier Sanguardy	1							
31151	M	Frontiers of Pure and Applied Mathematics M(L)	(Jun-ichi Segata)	1	1						\
331153	M M	Frontiers of Pure and Applied Mathematics M(M) Frontiers of Pure and Applied Mathematics M(N)	(Akihiko Miyachi) (Hisamitsu Maeda)	1	1	1					\
331154 331155		Frontiers of Pure and Applied Mathematics M(O)	(Shun'ichi Yokoyama)	1	1	1					'
331156		Frontiers of Pure and Applied Mathematics M(P)	(Atsushi Yagi)	1	2						
		(2)Elective subject							(2,1)+(2,2)+(2,3)	0	
		(2,1)Inter-disciplinary Subjects							Σ	0	
			Staffs of dept. of Information Systems								
331005	M	Information Technology and Ethics	Engineering Staffs of dept. of Multimedia Engineering (Michio Nakanishi)	2	2						
331006	G·M	English Presentation Skills	Bettina Wutzl	2	*2	*2					
		The Foundation of Intellectual Property (Focusing on	(Shuichi Mukai)								
331014	M	Computer Science)	(Tsuyoshi Masuda) & Other	2		2					
31030	M	Innovation Management	Minoru Eto Yuko Sasahara	2	2				\		
			Jyun Tanida						1 \		
331226	M	Introduction to Smart Contracts	Kenji Taima Hiroshi Noguchi Kayo Yoshimoto	2	2						
31428	M	Advanced Computing Systems	Noriyuki Miura Jun Shiomi	2	2						
331429	M	Advanced Information Systems		2							
331511	M	Economics of Information Network	Hirozumi Yamaguchi Akira Uchiyama (Keita Arai)	2	2					\	
331525	M	Advanced Introduction to Information Networking	All staff of dept. of Information Networking	2		2					
31621		Information Security	Atsuo Inomata Naoto Yanai	2							
31622		Content Security	Leibnitz Kenji						1		\
331639 331720		Studies on International Integrated Sciences Bio-network Engineering	Ferdinand Peper	2	2				-		\
		Introduction to Bioinformatic Engineering	All staff of dept. of Bioinformatic Engineering	2	2				1		,
331724		(2,2)Others	Diomiormanic Engineering							0	
331724					1	1 -					
331724		(2,3)Academic Internship Abroad							MAX{(2,3,1),(2,3,2)}	0	
		(2,3)Academic Internship Abroad (2,3,1)S							MAX{(2,3,1),(2,3,2)}	0	
331724	G·M	(2,3)Academic Internship Abroad	All Staff	4	6	6	(6)		MAX{(2,3,1),(2,3,2)}	Ţ.	

- 1.  $\Sigma$ = Integrate the total number of credits for subjects with a slant line directly below.
- $\boldsymbol{2}.$  MAX= Integrate only one subject with the maximum number of credits.

- 3. The class with \* is held twice a year. However, registration is limited according to the department.
  4. The class is not offered this year when the instructor's name field is blank.
  5. Requirements for Completion: Students must receive 30 credits or more from this table, and pass a final evaluation of their master's thesis. In the 30 credits, students must include 22 credits of Major subjects,

- 5. Requirements for Completion: Students must receive 30 credits or more from this table, and pass a final evaluation of their master's thesis. In the 30 credits, students must include 22 credits of Major subjects, a credit of Advanced Liberal Arts Educational subjects.

  6. M1 students can register Academic Internship AbroadM(S),M(L) from "fall and winter terms" through "spring and summer terms".

  7. "M" in the classification column represents Major subjects, "G" represents Advanced Global Literacy Educational subjects, and "G-M" represents subjects with both Advanced Global Literacy Educational and Major subjects' characteristics.

  8. If you have acquired subjects with both Advanced Global Literacy Educational and Major subjects' characteristics, the credits will be included preferentially for Advanced Global Literacy Educational subjects. If 1 credit of Advanced Global Literacy Educational subjects.

  9. With regard to Advanced Liberal Arts Educational subjects and Advanced Global Literacy Educational subjects approved by Department of Pure and Applied Mathematics can be included for Requirements for Completion up to 2 credits for Advanced Liberal Arts Educational subjects and up to 1 credit for Advanced Global Literacy Educational subjects.

  For details, please refer the attached "「高度歌奏教育科目リスト(情報基礎教学専攻)」「高度国際性調奏教育科目リスト(情報基礎教学専攻)」.