	)
地球惑星システム学プログラム	

•		
•		
		·

L		

### Table of Registration Standards for Earth and Planetary Systems Science Program Entrants of 2023

Refer to Study Guidance for the Earth and Planetary Systems Science Program for requirements for attending the course.

Students are allowed to take class subjects provided in other programs and schools, and in other universities, in addition to the class subjects listed in this table, and tindentindentindential complete in the complete in the complete co

\* Students who have earned the required credits (refer to the Students Handbook for the details) can acquire the type 1 license for junior high school teacher (c. f. aq), thut pe 1 de na ope de la la come de la com

### Liberal Arts Education

												r in wh					
Т			C	lubia at tama	_	uired o. of	Class subjects at	No. of	Type of	1st s	grade				grade	4th g	rade
Type	9		5	Subject type		o. or dits	Class subjects, etc.	credits	course registration	Spring	Fall	Spring		-		Spring	Fall
										1	2	3	4	5	6	7	8
			<b>E</b> ce	Science Confee		2	FPoCommerCommer	Ecll	Eabtide/Ge <b>rale</b>								
	¥ 4		oduet.	Fuju 148 C Edukati Su	L <sub>i</sub> a	2	Milepitant S-ni V 1048: C. Edinest S-n.	2	A VA								
	Bas: P.Couffee.	.■ t£p	ilueto",	Se in o Fit = 1 Strie_E		2	Alexandreta P. / Se Alexandre F. At = At - State E.	2									
	13.25 1.35 1.35 1.35 1.35 1.35 1.35 1.35 1.3		Advar	nced Seminar Note 2	(	0)		1	Fee e etize								
				APPL COUNTER		8											
			) (Note	Basio E a photologe		2			. 13- <b>14-2</b> 6								
		39.5	English (Note 4) (Note 5)	Communication		2			A MA								
	a ject E	Fore:	English	Communication	8	2			A CONTRACT								
		₽ <sub>0</sub> F		English Foreign Languages Select one language from se 115 155 175 175 175 e, 196 14 14 14		2											
e 🖺	Co			<b>መድ</b> ቀ <b>ር 1566</b> e, <b>መሥራ ታ</b> ቀ <b>፲</b> Arabic (Note 5)			and must be the same language	•	•	•	•			•			
Education of the pector			e setio	krij Pete Scian Confee	4	2			Eakti <b>S</b> e/Pe <b>rsse</b> à								
嵒		Hea	lth an	d Sports Courses (Note 6)	(	0)											
3lo∀		Socia	al Coc	operation Courses Note 7	(	0)											
₫,																	
To the									Eekti <b>ze</b> /er <b>t€</b> ∂								
						4			Lettse/~e wases								
							2 minimum (4 elements) establication (4 elements)	Τ.,	<u> </u>	Г				Ι			
							Experimental Methods and Laboratory Work in Physics	1 1	-								
			Fau	de la Contraction	8		Experimental Methods and Laboratory Work in Chemistry	1									
							Experimental Methods and Laboratory Work in Chemistry	1									
						4	Experimental Methods and Laboratory Work in Biology	1	E <b>e</b> cti <del>ve</del> ∕•e <b>¥€</b> ∂								
						1	Experimental Methods and Laboratory Work in Biology	1	_								
							Experimental Methods and Laboratory Work in Earth Sciences	1									
							Experimental Methods and Laboratory Work in Earth Sciences	1	-								
							Rain the endiect (4 ee 100 o	8 <b>133</b> iect	L <b>E</b> ñove	L				1			
	<b>■</b>	. <b>1</b>	<b>1</b>	IAPE Education (Fibricate)	,	<u>I                                     </u>											
	<b>J</b> □\₹	i_(D)	16. C	A-C EMPERIOR DE PROPIECTO.		<b>7</b> 4											-

- The indicated semester represents that in which students typically take the subject. It is permitted to take the subject in the same (first or second) semester in the following year, however, it is required to confirm the details in syllabus for that academic year, because the subject might be provided in a different semester or term
- Note 2 Note 2 And the Company of Se in the company of the category of "A in the company of the category of "A in the category of the category
- Note3 It is required to earn 4 credits in "Human & Social Science Subjects" and 4 credits in "Natural Science Subjects". Students who want to acquire an educational personnel certification must take the subject "Japanese Constitution" in the "Human & Social Science Subjects".
  - Credits earned through the subject "Advanced English for Communication", "Foreign Languages: Intensive Studies" and "Overseas Language Seminar (German, French, Spanish, Russian, Chinese, and Korean)" in "Foreign Languages" are accepted as the credits required for "Human & Social Science Subjects".
- You can transfer the credits acquired by completing courses of "Field Research in the English-speaking World" of short-term overseas language programs and self-learning "Online English Seminar I, II, III" are accepted as the credit for the subject "Communication I and II". Excessive number of credits earned in the "Area Courses" and "Social
- Cooperation Courses" in which the language of Instruction is in English is accepted as credits for the graduation requirement for English language courses. Note 5 Contra more about the first of the fi
- C'en LA work alle Fore of the target of the state of the In the confidence of the confi
- The credit for "Social Cooperation Courses" is accepted as credit for the category of "Any subject".
- \* Note for the "Specialized Education Subjects" listed in the next page and after
- Note 8 Only for foreign students, if credits are acquired in any subjects taught in English by any other programs of other faculties (including those of Liberal Arts Education Subjects) after proper course registration, then among these the successfully acquired credits of the registered subjects which are accepted by the faculty committee of the Earth and Property State to Said at the Said of the
- To achieve the 84 credits required for the "Specialized Subjects", it is required to earn 8 or more credits for elective required subjects and free elective subjects, as well as 52 e en la come de la companie de la co
- To attend the subject "Practice of Earth and Planetary Systems Science A (Field Work)", it is required to earn the credits for "Structural Geology" and "Petrology
- Note 11 To attend the subject "Special Study for Graduation", it is required to earn 108 or more credits of the 128 credits required for graduation, including "Practice of Earth and BILONANS, Etc E. Soif on A (F. Follwer) . A "Fret to Electron a Bilonary's, Etc E. Soif on B (F. Follwer) . A.
- Note 12 The class of the subject "Surveying" is provided biannually.
- Note 13 The classes of "Special Lectures in Earth and Planetary Systems Science" are provided as an integrated course within a certain period of time (after the 5th semester).
- Because 128 credits are required for graduation, it is required to earn 8 or more credits regardless of the categorization of Liberal Arts Education Subjects and Specialized Education Subjects, in addition to the required credits for each subject category (120 credits in total that consist of 36 credits for Liberal Arts Education Subjects and 84 credits for Specialized Education Subjects).
  - However, the credit for the subjects described below is not accepted as the required credit for graduation: For the details of subjects related to educational personnel ce like to the the factor of t

    - Any credit for subjects only related to educational personnel certification
    - Credits for "Experiments in General Physics A", "Experiments in Chemistry A", "Laboratory Work in Biology A" and "Experiments in General Geology A"
    - "Specialized fundamental subjects" and "Specialized Subjects" provided in another program in anther school (except those that are admitted by the faculty committee of

## Specialized Education

				-					in wh					
		Requ	iired		No. of	Type of	1st.s	<del>(*The</del> grade	lower fig 2nd s		ans sem			grade
Type	Subject type		of	Class subjects, etc.	redits	course	<u> </u>	-	Spring			1		_
		cree	dits			registration	Spring 1	2	Spring 3	4	5	6 6	Spring 7	8
H		-		Different Co. C. Piner C. A	0		1		ა	4	Э	О	'	ð
				Dispose of the A	2									
				Mitheodoret Serie Cite 1994A	2									
				Allendaret. 6-114 B. 6-51, 6-13 e. 6-44. A	2									
				Introduction to Earth and Planetary Sciences	2									
			19	Field Example 19-10-10-10-10-10-10-10-10-10-10-10-10-10-	1									
			13	Meto A the E-41	2									
				Introduction to Earth and Planetary Sciences	2									
	Parts Cantally all lives			Bacil & Bacilla & Ballance, Miteraelise Sae	2									
	Basic Specialized Subjects			Geo. A. & Maria	2									
				E a Maio E e in a prince pos de la company d	2									
				Michael Sugar Male Links	2									
				Microbiant & 160 Microbian Mit. In San Sin	2									
			0 ==	Introduction to Physics	2	Eetie/e								
				Introduction to Physics Introduction to Chemistry		Eectve/-e wee								
				<u> </u>	2									
				Introduction to Biological Sciences	2									
		4		At_elst_1 thin ject_(2 e^e_t_ls_Pot_ls_t_s_e thin jec		e	I				I		I	
				Ser Ser topoly & it A eb topoly !	2									
				ATE OF BERTH A PRINCE PRINCE OF	2									
				Solf-Geoch 1941	2									
				Optical crystallography laboratory	1									
				Pretidate Battle at Battle at Palace.  Interest Section	1									
				Physics of Earth and Planetary Interiors	2									
				Ext. In a large wite Sisc.	2									
				Leten at the part of the letter of the lette	2									
			33		1									
9				Proties of Early March March	1									
Note (				Science I	1									
S N				Field Example 1 1 Science B	1									
ject				E a propose East in a part of the propose in	2									
Sub		84		Pactice of East and all all all all all all all all all al	4									
Specialized Education Subjects		Note		Science A (Field Work) Note 10	4									
lucal		9		Protice & E. P. Tr. & Pr. Mr. P. S. Ete &	2									
d Ed				Special Study for Graduation Note 11	Eac 14									
lizec				Air and Mit 19 14 16	2									
ecia				Are mer liter	2									
Sp						Eætiæ/Pe <b>viæ</b> i								
				Air and City 1594	2	Eetve/e is en								
			<del>J</del>	Air Longin Bio-St.	2									
				Aire men Berta i Allery Sc.	2									
	Specialized Subjects			At ARL Shiect (200 Per 100 Po at 100 Per 100 P				I					ı	I
				AREA DOLLA	2									
				Betin delake, Miteralisco de M	2									
				Sea Serimative in A. ab impative	2									
				Exercise of Astronomy & Planetary Science	1									
					2									
				So T-Geoc To Take	2									
				Pacticar of Early and March Miter St. Science II	1									
				Mite of the one of the corporate	2									
				1 1										
			20 a	With the Andrew of the Leville State 1918 of Backing and March Miner St. A	1	D 7 1 4 1 7 4 7 7 4 7 7 9								
			<b>o⊬</b> er	De Dro una	2	Eetie/e								
					2									
				Con on the desire of the contract of the contr	2									
				Die Drop Life	2									
				Mit de Licha di America de Lei dei Scholle										
				DIE & FRANK BELOWARDE B	1									
				"Specification of the state of										
				Systems Science" (Note 13										
				Surveying Note 12	2									
				Geoch Geophic I Geophic I I Specialized	1									
				"Bas: Specialized Similer Com" " Specialized Similer Com" " Specialized Similer Com School Similer Com School Scho	1	Fee e etize								
				Sc. 2-may										
	Aiect_	1	0	Note 14										
	Mt.1	1 10	28				-				=		=	•

# Active in the entire Early of the Estimate of the Police of the South of the State of the State

	Acte item 10 e e e		Basakt 6 ag 105	
	Bankt o in Kam	Exce al te	Ve <sup>q</sup> , <b>r</b> Good	Good
	(1) of the control of	Moe'do Atove'/them thunghandest a techial  And Eschount Doe Line of entry theo'de  Este high beth	Moe'do elto tifunçidan desta a teclisal Any escendantifo ella a fere ella entre tibso el S.Ete deida de escila	The etal of the light of the li
	(2) வெளை கூடி நிக்க அறிய முற்றிகள் இரிய கூடி நிறியார்.	In the state of th	1600e <sup>1</sup> do elto t <b>ipungidu deste ditecina.</b> Any elige <sup>1</sup> do <b>cut</b> ês tibe sã obra ce taka di indestrib Insperior intercede.	Diverso eltourderer d'itechir elle elle elle elle elle elle elle el
	(3) the Gogans of Earl Indianaece events in a line of the control	Moderno eto them librates a techis l My ergenout the Bosess mangreasse. e no mante do Entre.	1600e to eltour dest la trec line la manuel geroom te la	
	(4) Be And alto code to the later of the lat	On Ryphie o'r a celebral ex Helebra de la de la de la de la la	Be Serio elto co det recentato des estato de la descripación de la des	Be And alto co alt. Line alto, was own, and a fine of the line of
	(5) carries we person with the three lates and the state of the state	unilled 1948 196tists, Sund Sundersteind Angle Citis Antice : 1 co geldes 1966s w 18 11 11 16 t 1 14 1 1 1 1 1 1	rankely expetite, and an detical favication for the complete pets with the times. At one	Inde ide etto ex 1988 og 2000, tilligg grace og 2000, tilligg grace og 2000, tilligg grace og 2000, tilligg ti
	(6) Se Tradio e S.	The state excellenter of the constitution of t	s)1 (15 <del>/5 ] Listin a </del> Foc <b>ier, F</b> ace (Soci <b>e Historia</b> es, <u>a pi</u> b	v®± <sub>≠</sub> ₽
<u>:6-kµ</u>  e□,}  Ta&&&	iev e dy erms exclusive is des first and in the is a second of the is	Be 200 elto ex 12 10 focess o co sepret. A la fer el la		

		Acte icalife entire		Brankt D 14 19 19 19 19 19 19 19 19 19 19 19 19 19	
		Brankt Sife Rem	Exce_a ta_	Ve <sup>q</sup> , rGood	Good
		More than Artor your difference of this company of the company of	in or in alto ve of the property of the control of	Diversional to the supplication of the supplic	Moedde etode ted tedd Artode yn Ar difwedy Mae Gamen e eet Ir digel mae Arc Gaedd Ar Och III
	(2)	In a figure of the content of the co	Be 2000 alto Perio Perior in 1960 a provide table of the content of the table of the content of	Vere le well septemble de la	Be Zan Ato Per Perlet is per a marche this Zer municipe in the content of the con
<b>4</b>	(3)	Be 2000 at the light of the state of 2000 at the 2000 at the state of 2000 at the state of 2000 at the state of 20	Be Sero eltour deser de la la recessión el la	Be The eltown destrain, and remain lex 12 to 12	- 4 1 4 4
		echien in the resident of the constraint of the	Per in the second of the secon	Bed Andrews of the Compact Com	esulla de la compania del compania de la compania del compania de la compania del la compania de la compania del la compania de la compania de la compania del la compania de la compania del la
A. S.	(5)	collet Length of the collection of the collectio	in the state of th	Four Jeans of the second of th	codet Aper 114 protection of the 114 production of the 114 protection of the 114 protect
	(6)	Thurst town To the rest the process of the control		Trunder Land Mark Trocks Brok never to use the Land Land Land Land Land Land Land Land	bunder at 1 mark aroce that aered to use the right of the restaurants, to the right of the right
	(7)	In the late to the late that t	Thur less to per to end elto ello ello ello ello ello ello ello	LARE THE O OLD IN THE CHECK OF FREE CO.	Etun lette in par, to en eltom dette in a compart of the interior in a compart of the compart of th
	(1)	Action the state of the state o	Be And Atomorphism At 1800 Mr. In All Sett And 1800 Mr. In All Sett And 1800 Mr. In All Market And 180	Be to elto che we live to the file cetting	Be Ato ato the time to the Sett Atomic Set
Selb K	(2)	Learning the ability skills to plan and carry out	Being able to learn superbly the ability skills to plan	Being able to learn well the ability skills to plan and	Being able to learn the ability skills to plan and carry
Co	(2)	Having acquiring the ability skills to compile research	Be to alto co 10 10 10 10 10 10 10 10 10 10 10 10 10	Be And elto co Marker 1980 1980 1980 1980 1980 1980 1980 1980	Be And elto co in Acces con a contract to the

#### Pale enter Mer Are Education in the Mich Programme

The liberal arts education in this program aims to build the academic foundation required for the specialized education, and develops the capability for autonomous study, and scientific intelligence, based on the ability to collect, analyze, and criticize data. Also, it allows students to establish a point of view for insight into the essentials and background of phenomena, to acquire the linguistic ability and concern for peace which are required of a citizen of the world, to integrate a wide variety of knowledge into a system of intelligence that is truly useful for problem solving, and to acquire the ability to pioneer and promote interdisciplinary and integrated study beyond the existing framework of the academic areas.

### 1913 1915 State of the control of th

	We'lled We'lled	We lie We lie We	gled Weigled Weigled	d Weighed Weighed	We'gled We'gled We'gled We'gled	Weighed
	edenktionents in edenktionents in	erakto raikto erakto raikto era	kto prikto obikto prikto obikto. Lidu obikto de kidu obrikto ile kida	PRIME OF STATE OF STA	oranki Oranie o oranki Oranie o oranki Oranie o oranki Oranie Life ki Du oranki Oranie o ki Du oranki Oranie oranki Oranie oranie	of and the second of the secon
Education Page Science Confige 2 Education 1	Baject Baject		oo 1	de ject	maject maject maject	iect_ iect_ iect_ 100
Education VV 1980 Education 2 2 1			100 1			100
Education Fig. Suite 1		100 1				100
Education Advisor Ce in 1 Presenting 1-2	2	100 1				100
Education April Confer 8 Edition / 1-4	4		100	1		100
Education Basife grant rage 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				100 1		100
Education Basic English Person 1 1 1966						

								•		Fge³		ÆĿl	<b>1</b>								5 in		Λ.	<b></b>								Со	<b>-</b>	erb Rive Ar		-	Б <del>и</del> Л
<b>Sin</b> iect_	Control of the contro	Pro in confise	<u></u>	111 · <b>4</b> -	(1)	117 -	(2)	111 -	(3)	111 :4-	(4)	(1)	(5)	(111.4-	(6)	( )	7)	(	(1)	(1111-1111-1111-1111-1111-1111-1111-1111-1111	2)	W	(3)	111 -	<u>4</u> )	) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	(5)	111	(6)	(111.4	(7)	(1)	<b>_</b>	(2)	(3)		we <b>gle</b> o
AND CALLS	Simiect Ma en m CPerin	Pegidentio	i Casto	We Fled Valle in enable in the	We grade	We sleet	We gete	We gli	We Lu	We glad	We gled	We greed	We gled	We green	We gled	Weighted white is even to be to be	We gled	We gried	We gled	We The for the first inches	We Clad	We gried	We Led	We gried  We gri	We glod	We pled	Weighted	We give	Weight	We gired	We gled	We grade We grade to the control of	We ver	We Led	Ne Ties W STATE OF W THE ELL OF STATE	Pled The br The br	Priktion in the control of the contr
Mes Ace Education	1	Eaktize/9e	1	·		, ecc		3		, miece		ecc		NAME OF THE OWNER OWNER OF THE OWNER		······································		ect_		ect		100		, ecc		iect_		<u>lect</u>		i ecc				e,ect_	<b>M</b> iect		100
'	Earth Sciences  A  Earth Sciences  A	A VIE	1																			100	1														100
pe <b>sse</b> E <b>duc</b> ation	Ch 194	A CONTRACT	1																			100	1														100
per lei	Biologica A 2	A VIE	1																			100	1														100
pe <b>ste</b> i	I Product On the Earth 2	A Company	1	25	1	25	1	25	1													25	1														100
pe <b>ssi</b>	Final Example 1 1	A WE	1																					100	1												100
pec <b>ist</b> er	<b>F</b> ecto_ <b>F * * * * * * * * * *</b>	A WE	2			100	1																														100
pe <b>ste</b> i	and Planetary Sciences	A CONTRACT	2	25	1	25	1	25	1													25	1														100
pe <b>st</b> i	Bas & Back and a large of the Bas and a large	19 <b>14</b> 7	3					100	1																												100
Special Lei		<b>246</b> 7	4	100	1																																100
pedalai Mulation	E a Mario Protincia de 2		4																	50	1	50	1														100
pe <b>ta</b> i	Michael Date 2	E.eletize/Pe	1																			100	1														100
pedeller Mulation	<b>Response to the</b>	E ektive/Pe	2																			100	1														100
person	Aikpoinetis no line a	E etive/e	2																			100	1														100
Special de la company de la co	Chemistry 2	Eaktide/Pe	2																			100	1														100
peciellei Binest on	Biological Sciences 2	E.eletize/Pe	2																			100	1														100
pe <b>: 5-1</b> e7	Sei Termot, it is 2	A VA	3					100	1																												100
pe <b>ta</b> i	<b>178 % 189 74 14</b> 2	<b>A-162</b> 7	3			100	1																														100
per let	Solf-Geoch 12	A WE	3	100	1																																100
pec <b>isie</b> i	Ogi <b>A 19.8% Tex 11.7</b> 1	A WE	3	25	1	25	1	50	1																												100
pecalitai Education	Pretidence Baside in Bretine in Principal of Interessiscione	i <del>lli</del>	3					100	1																												100
pecaziei Einestion	Planetary Interiors 2		4			100	1																														100
Special Led Education	Ecta de la chapta	i <del>ll</del> i	4					100	1																												100
pedalei Mustan	<b>1</b> et <b>2</b> o <b>□1</b> 2		4	50	1	50	1																														100
pe <b>d l</b> ei	<b></b>		4	25	1	25	1	50	1																												100
pedalei Einesta	Pretiction Bruth 1, Brieff Wite Sti 1 Science I		4					100	1																												100
Decider Education	Figure 1 Seign B		4																					100	1												100
Special Led Education	E A MANOP BARTAL 2		5																	100	1																100
Specialiteir Eilmestaling	Pretice From 4  Seide A (Fidal Work)	A CONTRACT	5																					50	1	50	1										100

																			Б	a <b>ak</b> t	5 if	Ell																
		Wes =			( 1 \	1	(0)	1		gea				1 /	(a)	1 /	7)		1)	1 /	(0)	1			4		<u></u>	1	(0)	1 /	(7)	( )	Co 🗐	Gerby C	ve A			we <b>gle</b>
ject_	ject <b>ik en</b> Cer	config.	G <b>≈</b> ∂e	We <b>Tie</b>	(1)	We <b>Lie</b> d	(2)	Weigher	(3)	We <b>Sie</b>	(4)	We <b>zie</b>	(5)	We <b>The</b>	(6)	We <b>Tie</b>	( )	Weigher	1)	We gree	(2)	We <b>Lie</b> d	(3)	We:	(4)	We <b>Sie</b>	(5)	We <b>rte</b>	(b)	We:	(7)	We <b>Tie</b>	1)	Weighter (2	()	Weighed		
	1	<u>*</u> _#4		erakt.		evaziktió ide kid tile		t. <b>3</b> 9	We grade	e Lie Lie Lie Lie	we gree	evanto.	We green	ever in the factor of the fact	Te E m	evaluation tile tile	Te Kim	evento to to to	Te Elm	t. <b>_1</b>	estate in	e <sup>3</sup> z Matic	We gries	event.	Te Elm	erantion Line	ever series	evazikti Le bis tile		ever in til	Te Elm	e <sup>3</sup> z At. 6 6 E. A., t. D. eet	Te Elm	eventus tilb	Te Elm	evention tile	we gree	e LAC
Specialite Education	Pactice From 2 Science B (Figure Value)	A COLOR	5	ieet_		iect_		Gib.ject_		ma_iect_		Ject_		bet_		199 <u>1</u>		iect_		<b>bib</b> ject_		ject_		50	1	50	1	iect_		ject_		<b>Imm</b> _iect_		iect_		lect_		100
personer Education	Special ton, a or	A WAS	7-8																													33.33	1	33.33	1	33.33	1	100
pecallei Ginestal	Air or Mile till 2	Eekti <b>Se/</b> Pe	5																			100	1															100
pecaziei Ginestiozny	A <b>N-197 ITE</b> 2	Eakti <b>ze/</b> e	4																			100	1															100
perzie	A *** 2	Eaktize/9e	6																			100	1															100
pecialiei Mulation	Air Biologia 2	Eektise/9e	5 5																			100	1															100
pec <b>ial</b> io Cinerio	Air of Extra 2	Eaktize/Pe	6															100	1																			100
pe <b>ssi</b> E <b>duk</b> et <b>S</b> n	ARTEN DAL	Eektise/9e	5 5	100	1																																	100
peller Multion	Pretica of Eretaria   1 Principal Miterial   1 Science   1	Eektise/9e	5 5					100	1																													100
pecialite Muletia	Sei Seimot, di 2	Eaktize/Pe	4					100	1																													100
pe <b>t 1</b> ei	Exe <sup>Q</sup> ette & Axtuo a 444x 1	Eæktiæ/e	4	100	1																																	100
pec <b>ial</b> ei	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Eaktie/4	5			100	1																															100
ped Tei	So Geoch 69 2	Eaktize/4e	5	100	1																																	100
ped lei	Mte <sup>2</sup> SISe <sup>2</sup> p	Eaktize/9e	4					100	1																													100
pe <b>ssi</b> E <b>ne</b> st <b>is</b>	The state of the s	Eektise/9e	5 5	50	1													50	1																			100
Spe <b>t Le</b> i	Mile And I de marche 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Eakti <b>∕a</b> e∕⊖e'	5			100	1																															100
perio	<b>3</b> be <b>3 1 1 1 1 1 1 1 1 1 1</b>	Eakti <del>se</del> /9e	5			100	1																															100
pedelleð Mætið n	2 2 4 4 5 4 6 4 6 4 6 4 6 4 6 6 6 6 6 6 6 6	Eaktize/9e	6			100	1																															100
ped <b>Li</b> e	Cos och 1994 2	Eaktize/Pe	6	50	1													50	1																			100
pec <b>ial</b> ed Mulation	<b>3</b> 6e <b>30</b> 50 <b>215 1</b>	Eakti <b>l</b> e/Pe	6			100	1																															100
pedalei Education	Mile Liu La.  Mile Liu La.  Mile La.	Eækti <b>⊅e</b> /⊖e'	6			100	1																															100
pe <b>dl</b> ei	<b>SIR</b> e <b>2</b> 2	Eette/e	5-8															100	1																			100
pec <b>ial</b> ei	Geoch Geoch 1	Eaktize/Pe	3															100	1																			100

_			_				
	Planetary Sciences A(©)	Planetary Sciences B(©)	laboratory(©)	Geologic Mapping(◎)	system(O)	Geochemistry(O)	
			Solid Geochemistry I(◎)	Petrology(©)	Solid Geochemistry II(O)		
				Petrology laboratory(⊚)	Astrobiology(O)		
				Planetary Science(O)			
	Planetary Sciences A(⊚)	Planetary Sciences B(©)	laboratory(©)	Interiors II(©)	Interiors A(O)	Interiors B(O)	
		Tectonics of the Earth(◎)	Interiors I(◎)	Petrology(©)	of Earth and Planetary Interiors A(O)	of Earth and Planetary Interiors B(O)	
				Petrology laboratory(⊚)	Rock Deformation I(O)	Rock Deformation II(O)	
	Planetary Sciences A(©)	Planetary Sciences B(©)	Materials Science(©)	II(©)	Materials Science II(O)		
			I(©)	Petrology laboratory(©)			
			laboratory(©)	Science II(O)			
			Planetary Materials Science(©)	Science I(©)			
				Materials Science I(O)			
	Year Students(⊚) Advanced seminar (Δ)	Advanced seminar (Δ)					
	, availor comma. (_,	, (_,					
	Peace Science Courses(O)						
	(0)						
	Education(⊚) Social Cooperation Courses(△)						
	Sur Cooperation Courses (A)						
	Area Courses(O)	Area Courses(O)	Area Courses(O)	Area Courses(O)			
		7		7.1.1.1 Ood 000 (O)			
			1		<u> </u>		

1		1			
	T		T		T
		Internship(O)		system(O) Surveying(O)	Geochemistry(O) Science(O)
					Science (O)
Basic English Usage I (⊚)	Basic English Usage Ⅱ (◎)		Sciences I(©)	Sciences II(©)	
Communication I A(⊚)	Communication ⅡA(◎)		Sciences I(@)	Sciences II(@)	
Communication IB(©)	Communication IB(©)				
Studies I ( $\Delta$ )					
Studies II (△)  Introduction to Physics A(◎)	Planetary Sciences B(⊚)	in Chemistry I(O)	S-i I(@)	Advanced Mathematics (O)	Advanced Chemistry(O)
Introduction to Chemistry A		in Chemistry II (O)	Sciences I(©) Advanced Physics(O)	Advanced Biology(O)	
(©)	Mathematics (O) Introduction to Physics B(O)	in Orienistry II (O)			Science(O)
Sciences A(②)	Introduction to Chemistry B				
Planetary Sciences A(⊚)	(O)				
(O) Calculus I(O)	Sciences B(O) Calculus II(O)				
Linear Algebra I(O)	Linear Algebra II(O)				
in Earth Sciences I (O)	in Physics I (O)				
in Earth Sciences II (O)	in Physics II (O)				
	in Biology I (O)				
0.1	in Biology II (O)		2 (2)	Colonia A /Fild W. d.) (@)	
Science A(@)			Science B(©)	Science A (Field Work)(⊚)	
				Science B (Field Work)(  )	
				Science A (Field Work)(⊚)	
				Science B (Field Work)(⊚)	
Data Sciences(©)					