Oyama College		Year 2022			Course Title	General Science			
Course :	Informa	tion							
Course Co	ode	0014			Course Categor	y Gener	al / Compulsory		
Class Forr	mat	講義・演習	3 =		Credits	Schoo	l Credit: 2		
Department Departme			ent of Innovative Electrical and Engineering		Student Grade	1st			
Term		Year-roun			Classes per We				
Textbook Teaching Instructor	Materials		楚」啓林館、「生物基礎」東京書籍、"Earth Sciontals" by Tokyo Shoseki			ce Fundamentals" by Keirinkan and "Biology			
Course		/OS							
1. To be a 2. To be a 3. To be a	able to exp able to exp able to exp	plain the mov plain what all plain specific	life have in com examples of how	arth's interiors an mon and how life v life affects the E v humans affect t	has changed Earth				
Rubric		·							
			Ideal Level		Standard Level		Unacceptable Level		
Achievement 1			Can explain how the Earth's interiors and exteriors move. Additionally, can explain how each parts affect one another.		Can explain how plates, the oceans, and the atomosphere moves.		Can not explain how parts of the Earth are moving.		
Achievement 2			Can explain what all life has in common and how life as changed. Additionally, can explain how different life forms influence on another.			in Can not explain what all life have in common and how life has changed.			
Achievement 3			Can explain spe how life has ch Additionally, ca human's role ir	ecific examples of anged the Earth. n explain n the change.	Can explain at least one example of how life has changed the Earth.		Can not explain how life has changed the Earth.		
Achievement 4			Can explain how humans have changed the Earth. Additionally, can explain how the future of humans will change the future of the Earth.		w humans ha irth.	ve Can not explain how humans have changed the Earth.			
Assigne	d Depar	tment Obje	ectives						
学習・教育	到達度目標	票 ③							
Teachin	g Metho	od							
Outline		for this is to does not of discoveries language,	that knowing a f nly allow you to and innovation your thought pr nages and in 3-c	oreign language of communicate with s in science and to ocess goes beyor	will become more th many foreigne technology. Anot nd just words, ar	e important thers, it gives yo her reason is Id you begin t	arth sciences in English. One reason han ever. Today, knowing English ou immediate access to the latest that by studying in a foreign to think and understand the world for becoming the best engineer or		
Style		(English) (S) take qu (English) (present →	ese) Before Class: Read the determined pages of your textbook. a) Class [1]: [S] volcabulary introduction \rightarrow [T] explains about topic, [S] listen about the topic \rightarrow [e quiz [T&F, multiple choice] a) Class [2]: [T] reviews class [1], explains the day's activity \rightarrow [S] do the day's activity \rightarrow [S]: \rightarrow [T] reviews topic \rightarrow [S] take quiz [short answer]						
		T) is the							
Notice		Generally,	the class is don	e in mostly Englis	sh, but students	may ask ques	stions in Japanese if they need help.		
Charact	eristics (of Class / [Division in Lea	arning					
☑ Active Learning			☐ Aided by ICT		☐ Applicable to Remote Class		ss		
Ca !	Dlara								
Course	rian		nomo.		1	Cools			
1st Semeste r	1st Quarter	†	Theme		Goals Can understand a		and and ovalain Japan's assissis		
		1St Ea	Guidance Earth Science in Japan [1]			situation.	and and explain Japan's geologic		
			/olcanoes [1]			Can understand and explain how magma is formed.			
			olcanoes [2]			Can explain how magma is formed in English.			
			ates [1]			Can understand and explain how pla			
		5th Pl	ates [2]			Can explain how plates move in English.			
		6th Ea	arthquakes [1]			Can understand and explain how earthquakes are formed.			
		7th Ea	arthquakes [2]			Can explain how earthquakes are formed in English.			
		8th M	Mid-term Exam			Can explain the Earth Science of Japan, volcanoes, plates, and earthquakes in English.			

		9th	Oceans [1]		Can understand and explain how tsunamis are formed and how water moves.			
	2nd Quarter	10th	Oceans [2]		Can explain how tsunamis are formed an water moves in English.	d how		
		11th	Atmosphere [1]		Can understand and explain how the atm moves.	osphere		
		12th	Atmosphere [2]		Can explain how the atmosphere moves in English.			
		13th	Earth Science Fun	damentals [1]	Can understand and explain why plates, and air moves.	water,		
		14th	Earth Science Fun	damentals [2]	Can explain why plates, water, and air m English.	xplain why plates, water, and air moves in n.		
		15th	Relationship betw [1]	een living things and the Ea	th Can understand and explain the fundame how living things affect the Earth.	entals of		
		16th	First Semester Ex	am	Can explain about the oceans, atmospher the large-scale movements of all the Eart English.	re, and th in		
		1st	Components of Lit	fe	Can understand and explain the basic components of life.			
		2nd	Cell Functions [1]		Can understand and explain the function of cells.			
		3rd	Cell Functions [2]		Can explain the function of cells in English	h.		
	3rd Quarter	4th	Evolution [1]		Can understand and explain the evolution things.	n of living		
		5th	Evolution [2]		Can explain the evolution of living things English.	Can explain the evolution of living things in English.		
		6th	Plant Succession a	and Biomes [1]	Can understand and explain environment on their geographical location.	s based		
		7th	Plant Succession a	and Biomes [2]	Can understand and explain environment on their geographical location.	s based		
2nd		8th	Mid-term Exam		Can explain the components of life, cells, evolution, plant succession, and biomes in English.			
Semeste	4th Quarter	9th	Elemental Cycles	[1]	Can understand and explain carbon and nitrogen cycles.			
		10th	Elemental Cycles	[2]	Can explain carbon and nitrogen cycles in English.			
		11th	Energy Flow [1]		Can understand and explain how energy flows between states.			
		12th	Energy Flow [2]		Can explain how energy flows between statenglish.			
		13th	Environmental Pro	oblems [1]	Can understand and explain environmental problems.			
		14th	Environmental Pro	oblems [2]	Can explain environmental problems in English.			
		15th	Life Science Funda	amentals	Can explain how life, elements, energy, and environment are connected.			
		16th	Second Semester	Exam	Can explain about cycles, how energy flo- ecosystems, and environmental problems English.	Can explain about cycles, how energy flows, ecosystems, and environmental problems in English.		
Evaluati	ion Meth	od ar	nd Weight (%)					
			Quizzes [28]	Semester exams [2]	Mid-term exams [2] Total			
Subtotal			40	30	30 100			
Basic Proficiency			40	30	30 100			