科目ナン	バリン	グ U-I	LAS15 2	0007 LE58									
授業科目 <英訳>	名 Intro	duction to	-	ering Geology ering Geology	担当職名	当者所属 る・氏名	Τ÷	学研究	科〉	隹教授	ZHU	Fan	
群	自然科学科目群			分野 <b>(</b> 分類)	地球科				伎	使用言語 英語			
旧群	B群 単位数		2単位	週コマ数	174	ł	授業形態		講義	講義(対面授業		業科目)	
開講年度・ 開講期	2025 ·	後期	曜時限	火5		配当的	学年	主とし <sup>.</sup>	て2回生	対象学	≥生	理系向	
[授業の	[授業の概要・目的] Geology comes from the Greek geo, "Earth", and logos, "discourse". This class provides a basic knowledge												
of our pla	net's cor	nponents	(matter,	, "Earth", and I minerals, rock akes, etc.) fron	s, etc.) ai	nd their	main	proce	esses (1			-	
using the	basic kn	owledge	and prin	orth and its mar ciples of geolog hen designing,	gy, will h	elp us o	confir	m tha	t all in	portant	geolo	gical	
[到達目;	標]												
				uld have a basi icting, and ope					nd be a	ble to th	ink a	bout its	
[授業計]	画と内容	<b>≩]</b>											
<ol> <li>Guidar</li> <li>Plate te</li> <li>Plate te</li> <li>Matter</li> <li>Igneou</li> <li>Weathe</li> <li>Weathe</li> <li>Metam</li> <li>Princip</li> <li>Mount</li> <li>Earthq</li> <li>Earthq</li> <li>Surfa</li> <li>Energ</li> </ol>	nce, intro ectonics and min s rocks, ering, sec orphism bles of re ain build uakes an eologic s ce water gy and m w and st back	duction to erals volcanic a dimentary , metamo lative dat ing proce d crustal tructures and grou	o Earth s activity rocks rphic Ro ing and r ss deformat and map ndwater ources	cks numerical datin tion ping				F					
<u>し</u> 履じ安 特になし													
		よ・観点]											
- Grading v	will be ba	ased on a	research	report (25%), s participation)				-			0	gular	
								Introdu	iction to I	Engineering	g Geolo	<b></b>	

Introduction to Engineering Geology(2)

## \_\_\_\_\_ [教科書]

<u>したれてい</u> 使用しない

[参考書等]

## <u>(</u>参考書)

Edward J. Tarbuck, Frederick K. Lutgens <sup>F</sup>Earth - An Introduction to Physical Geology ISBN: 9780321814067

Stephen Marshak <sup>®</sup>Essentials of Geology<sup>®</sup> ISBN:9780393919394

Edward A. Keller <sup>I</sup> Introduction to Environmental Geology ISBN:9780132251501

Lee R. Kump, James F. Kasting, Robert G. Crane <sup>The Earth System ISBN:9780321597793</sup>

Brian J. Skinner, Barbara Murck <sup>The Blue Planet</sup> : An Introduction to Earth System Science ISBN: 9780471236436

Kent C. Condie <sup>II</sup> Earth as an Evolving Planetary System<sup>II</sup> ISBN:9780123852274

All reference books are available at the Library of the School of Global Engineering, at the Main Yoshida Campus Library, and/or at other Kyoto University libraries. Previous editions of the same books can also be used.

## [授業外学修(予習・復習)等]

Assignment may be given after a class and students are expected to complete the assignment before the next class. Additionally, submission of a research report will be required for this class. To complete the report, students will need to do additional research on a selected topic after the class.

[その他(オフィスアワー等)]

Consultation arrangement will be provided during the first lecture.

[主要授業科目 (学部・学科名)]

理学部