Year	First semester 2026
Course	Geophysics
Day/Period	Fri.1Period
Credit(s)	2Credits
Instructor	TAKESHI YAMAZAKI
Eligible Participants	Not specified (For all grades)
Course code/number	
Main Subjects	
Course of Media Class	
Practical business	
Language Used in Course	English
Course Title	Geophysics
Purpose/Abstract	Students in this course will learn basic knowledge in geophysics, particularly the following three specific sub-areas: solid earth physics, fluid earth physics, and space physics.
Goal	This course aims at learning the outlines of geophysics. By joining this course, students will get basic knowledge in geophysics.
Contents and progress schedule of the class	The following topics, which are actively investigated at the Department of Geophysics, will be introduced. (1) Solid Earth Physics: Selected topics from seismology, volcanology, and plate tectonics for the purpose of learning basic knowledge on the structure and dynamics of the solid Earth. (2) Fluid Earth (atmosphere and ocean) Physics: Selected topics from meteorology, global warming, and physical climatology for the purpose of learning basic knowledge on climate change and related global environment problems. (3) Space Physics: Selected topics from solar physics, interplanetary physics, magnetospheric physics, and upper atmospheric physics for the purpose of learning basic knowledge on the electromagnetic environment of the Sun, the Earth, and planets. ● April, 10, 17, 24, May 1, 15 Lectures on Solid Earth Physics will be given by Associate Prof. Fukushima. Material for the lecture will be prepared by Associate Prof. Fukushima. ● May 22, June 5, 12, 19, 26 Lecture on Fluid Earth will be given by Prof. Yamazaki, Iwabuchi, Umezawa, Li, and Yasunaka. Material for the lecture will be prepared by each professor. ● July 3, 10, 17, 24, 31 Lectures on Space Physics will be given by Prof. Terada. Material for the lecture will be prepared by Prof. Terada.
Grading	Mainly based on a record of attendance, and contribution to discussions.
Books required/referenced	None
Contents of preparation and review	Simple assignments may be given.
Study time for preparation and review	Preparation/Review per class: 2-4 hours
How to contact and Google Classroom Code	Class code: 4aehyz7p
Remarks	
Last Update	

One-credit courses require 45 hours of study. In lecture and exercise-based classes, one credit consists of 15-30 hours of class time and 30-15 hours of preparation and review outside of class. In laboratory, practical skill classes, one credit consists of 30-45 hours of class time and 15-0 hours of preparation and review outside of class.