Subject (English)	Geophysics			Semester	Spring	Day/Slot	Fri. /1st 8:50 - 10:20
科目名（日本語）	地球物理学						
Course Code	VJ251S4	Course Numbering	SAG-EPP801E			Period	Apr. 12 – Jul. 26, 2019
Instructor (Post)	Naoki Terada, Shinji Toda, Takeshi Yamazaki (Assoc. Prof.) (Prof.) (Assoc. Prof.)					Campus	Aobayama
						Building	Science Complex C
Faculty	Faculty of Science			Credits	2	Class Room	Planetary and Space Physics Seminar Room (S407)

Class subject	Geophysics
Object and summary of class	
Students in this course will learn basic knowledge in geophysics, particularly the following three specific sub-areas: space physics, solid earth physics, and fluid earth physics.	
Keywords	solar physics, magnetospheric physics, upper atmospheric physics, seismology, earthquake, plate tectonics, meteorology, oceanography, climate change
Goal of study	
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 class	
The following topics, which are actively investigated at the Department of Geophysics, will be introduced.	

No	Date	Instructor	Topics
1	4/12	Naoki Terada (Assoc. Prof.)	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. Material for the lecture will be prepared by Associate Prof. Terada.
2	4/19		
3	4/26		
4	5/10		
5	5/17		
6	5/24	Shinji Toda (Prof.)	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. Material for the lecture will be prepared by Prof. Toda.
7	5/31		
8	6/7		
9	6/14		
10	6/21		
11	6/28	Takeshi Yamazaki (Assoc. Prof.)	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. Material for the lecture will be prepared by Associate Prof. Takeshi Yamazaki.
12	7/5		
13	7/12		
14	7/19		
15	7/26		

Preparation	None
Record and evaluation method	Mainly based on a record of attendance, and contribution to discussions.
Textbook and references	None
Self study	None
In addition	None