

Elective Course Description (2. Spring Semester)

Subject (English)	Geophysics		Semester	Spring	Day/Slot	
科目名 (日本語)	地球物理学					
Course Code		Course Numbering	SAG-EPP801E		Period	Apr. – Aug.
Instructor (Post)	Naoki TERADA (Associate Professor)				Campus	
	Shinji TODA (Professor)				Building	
Faculty	Faculty of Science		Credits	2	Class Room	
Class subject	Geophysics					
Object and summary of class						
	This course aims at learning the outlines of geophysics.					
Keywords	Space physics, solid earth physics, fluid earth physics					
Goal of study						
	By joining this course, students will get basic knowledge in geophysics.					
Contents and progress schedule of class						
	<p>The following topics, which are actively investigated at the Department of Geophysics, will be introduced.</p> <p>(1) 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.</p> <p>(2) 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.</p> <p>(3) 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.</p> <p>The evaluation will be mainly based on a record of attendance, and contribution to discussions.</p> <ul style="list-style-type: none"> ● Each Friday from Beg. of April through Mid. of May. Lectures on Space Physics will be given by Associate Prof. Terada. Material for the lecture will be prepared by Associate Prof. Terada. ● Each Friday from Mid. of May through Mid. Of June. Lectures on Solid Earth Physics will be given by Prof. Toda. Material for the lecture will be prepared by Prof. Toda. ● Each Friday from Mid. Of June through Mid. Of July. Lecture on Fluid Earth will be given. Material for the lecture will be prepared. 					
Preparation						
Record and evaluation method						
Textbook and references						
Self study						
In addition						