

Course Title 科目名	Natural World of Japan B 日本の自然界 B	Instructor 担当者	SHIMOYAMA, Shoichi 下山 正一
Semester 学期	Spring	Credits 単位	2
Course Level 履修年次	NA	hrs/wks 時間数/週	2
【Course Objectives and Focus : 授業の到達目標及びテーマ】 After completing this course, the student will: <ol style="list-style-type: none"> 1) make a conception to the geography and geology of Japan and/or Kyushu Island; 2) will be familiar with the topography and geology of Fukuoka; 3) will know the mechanism of natural disaster of Japan and/or Kyushu Island. 			
【Course Summary : 授業の概要】 In this course we will examine the physical worlds of the islands that constitute Japan. I will begin with an introduction to Japanese topography, climate, and geology. Then, we will study the basic problem of natural disasters, earthquake, volcanic eruption, flood, landslide and tsunami. I will show you natural world in and near Fukuoka in local field trips.			
【 Preparatory Work : 準備学習等についての具体的な指示】 You need to complete short field-trip report after field trips on assingment question. You always need to compare the topography and geology between your home country and Japan.			
【 Content : 各回の授業内容】			
Day 1	Outline of Japanese topography (日本の地形の概要)		
Day 2	Climate of Japan, the four seasons (日本の気候、四季)		
Day 3	Climatic hazards in Japan (日本の気象災害)		
Day 4	Geology of Japan and the history (日本の地質と地史)		
Day 5	Plate tectonics around Japanese Islands (日本周辺のプレートテクトニクス)		
Day 6	Huge earthquakes and Tsunami disaster in Japan (大地震と津波災害)		
Day 7	Active faults and earthquake disaster in Japan (活断層と地震災害)		
Day 8	Field trip to Dazaifu area (太宰府への野外旅行)		
Day 9	Active fault survey in Fukuoka Area (福岡の活断層調査)		
Day 10	Volcano and volcanic activities in Japan (日本の火山と災害)		
Day 11	Volcanic hazard and the benefit in Japan (日本の火山災害と恩恵)		
Day 12	Field trip to Uminonakamichi area (海の中道への野外旅行)		
Day 13	Geological environment in Fukuoka Plain (福岡平野の地質環境)		
Day 14	Geological environment in Chikushi Plain (筑紫平野の地質環境)		
Day 15	Ariake Bay and fishery problem (有明海と漁業問題)		
【Textbooks, Course Materials: テキスト・参考書等】 Use handouts prepared for each lecture.			
【Grading Criteria: 成績評価の方法】 Field Trip Report (40%), Assingment Report (40%) and Class participation (20%)			
【Note: 履修上の注意】 Students need to attend Saturday field trips. Field trip fee announced in the lecture, probably around 1,800 yen, in each trip.			