

Academic Year 2019–2020 First Semester

Teaching Calendar

Course Name Physical Geology Course Type: Required

Total 48 Hours

Student Number 52

Class: Majored in Petroleum Engineering and Resources in 2019

Tutor: Linhao Fang Title: Associated Professor

College (Department): Department of Geosciences

Dean's Signature _____

Reference Books:

Physical Geology (ninth edition). Plummer, McGeary and Carlson A business unit of The McGraw-Hill, Inc. 2003

Dynamic Earth: an Introduction to Physical Geology. Brian J. Skinner and Stephen C. Porter. T 4/e, John Wiley & Sons, Inc. 2000.

Earth Portrait of a Planet (Third edition). Stephen Marshak, W.W. Norton & Company, Inc. 2008

Physical Geology. (compiled by) Shu Liangshu, 2010.

Education Administration, CUP-Beijing

Curriculum Schedule and Hour Allocation

Date			Course Contents	Hours /Week	Time Plan			Other Information
Week	Day	Class Schedule			Lecture in Classroom	Practical in Lab /Museum	Q&A	
1	Wed.	7-8	Chapter 1 Introduction to Physical Geology, Seafloor Spreading and Continental Drifting	4	2			09.04
	Fri.	1-2	Chapter 2 Plate Tectonics		2			09.06
2	Wed.	7-8	Chapter 3 Earthquake and Earth’ s Interior	4	2			09.11
	Fri.	1-2	Chapter 4 Life and Time (Geological Time I)					09.13
3	Wed.	7-8	Chapter 5 Life and Time (Geological Time II)	4	2			09.18
	Fri.	1-2	Quiz 1		1			Quiz 1 09.20
			Chapter 6 Atoms, Elements and Minerals I		1			
4	Wed.	7-8	Chapter 7 Atoms, Elements and Minerals II	4	2			09.25
	Fri.	1-2	Practical I – Minerals			2		09.27 Practical
The Week of National Festival								
6	Wed.	7-8	Chapter 8 Igneous Rocks and Volcanism	4	2			10.09
	Fri.	1-2	Practical II – Igneous Rocks			2		10.11 Practical
7	Wed.	7-8	Chapter 9 Sediments and Sedimentary Rocks	4	2			10.16
	Fri.	1-2	Practical III– Sedimentary Rocks		2	2		10.18 Practical
8	Wed.	7-8	Chapter 10 Metamorphism and Metamorphic Rocks	4	2			10.23
	Fri.	1-2	Practical IV – Metamorphic Rocks		2	2		10.25 Practical
9	Wed.	7-8	Chapter 11 Geological Structure I	4	2			10.30
	Fri.	1-2	Chapter 12 Geological Structure II		2			11.01
10	Wed.	7-8	Quiz 2	4	1			Quiz 2 11.06
			Chapter 13 Glaciers and Glaciation		1			
	Fri.	1-2	Chapter 14 Streams and Floods		2			11.08
11	Wed.	7-8	Practical V – to Visit National Geological Museum of China	4		2		11.13 Museum visit
	Fri.	1-2				2		11.15 Museum visit
12	Wed.	7-8	Chapter 15 Ground Water Chapter 16 Waves, Beaches and Coasts	4	2			11.20
	Fri.	1-2	Chapter 17 Desert and Wind Action Chapter 18 Milankovitch				2	11.22

			Cycles					
13	Wed.	7-8	Report: Oral Presentation and Discussion	4		2		11.27 Oral report
	Fri.	1-2	Final Examination			2		11.29 Examination

Notes:

1. The total teaching plan is 48 hours. Among the total hours, 34 hours are given in classroom, 8 hours for practical in lab (If final number of attendance is 52 students, they will be divided into two classes and thus actual teaching plan will be 16 hours) and 6 hours for oral presentation, discussion and museum visiting.
2. Please send one copy to Email: sjk@cup.edu.cn, if there are practical teaching hours in laboratory.