

Structure of the Joint-Master study “Physics of the Earth (Geophysics)”:

Sem	Module		Course		hrs	ECTS	offered by	
	MA	PE						
1	01	Mathematical and Numerical Methods	Signal Analysis	VU	3	4	CUB	
			Numerical Methods	VU	2	3	CUB	
			Inverse Problems	VO	3	4	UW	
	02	Seismic Waves	Seismic Waves and Physics of Earthquakes (1)	VU	3	4	CUB	
	03	Physics of the Earth 1	Gravity Field	VO	3	4	UW	
	05	Geophysical Measurements	Geophysical Measurements	VO	3	4	UW	
	07	Compulsory Elective Courses 2				7	CUB/UW	
2	01	Mathematical and Numerical Methods	Digital Filtering in Geophysics	VU	3	4	CUB	
			Seismic Waves	Seismic Waves and Physics of Earthquakes (2)	VU	3	4	CUB
			Physics of the Earth 1	Magnetic Field of the Earth	VU	3	4	CUB
	04	Physics of the Earth 2	Structure of the Earth	VO	2	3	UW	
	05	Geophysical Measurements	Excursion	EX	2	3	UW	
	07	Compulsory Elective Courses 2				8	CUB/UW	
	08	Master Module	Physics of the Earth Seminar 1 Physics of the Earth Seminar 2	SE SE	1 1	2 2	CUB UW	
3	04	Physics of the Earth 2	Tectonophysics	VO	2	3	UW	
			Anisotropy	VO	1	2	UW	
	06	Compulsory Elective Courses 1				15	CUB/UW	
	08	Master Module	Master Seminar	SE	1	2	CUB/UW	
4	06	Compulsory Elective Courses 1				8	CUB/UW	

Courses without continuous assessment (final examination):

VO: lecture with lecturer-centered instruction

Courses with continuous assessment:

VU: combines lecturer-centered instruction and exercises

SE: seminar

EX: excursion

CUB: Comenius University Bratislava

UW: University of Vienna

Distribution over semesters and ECTS of modules:

ECTS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Sem.																														
1	01											02			03			05			07									
2	04		08				01			02			03			05			07											
3	04				08		06																			Master thesis				
4	06								Master thesis and defense																					