

Earth Sciences										
#	Class Name	Prerequisites	Credits (ECTS)	Contact hours	Statuse	Name of Lecturer(s)	I	II	III	IV
Mandatory courses - 90 credits										
1	Advanced aspects of Geo-information systems	No prerequisites	6	47	Mand.	Elashvili Mikheil	X			
2	Global Tectonics and Geodynamics	No prerequisites	6	51	Mand.	Godoladze Tea, Javakhishvili Zurab	X			
3	Mathematical Modelling and Programming in Earth Sciences	No prerequisites	6	48	Mand.	Jorjiashvili Nato, Godoladze Tea, Gunia Irakli	X			
4	Petrology	No prerequisites	6	55	Mand.	Okrostvaridze Avtandil	X			
5	Lithology/Sedimentology	Petrology	6	75	Mand.	Chagelishvili Rusudan		X		
6	Remote Sensing in Geosciences	Advanced aspects of Geo-information systems	6	48	Mand.	Sukhishvili Lasha, Kvlividze Khatuna		X		
7	Earth Systems and Environment	Advanced aspects of Geo-information systems	6	60	Mand.	Janelidze Zurab, Magalashvili Archil, Javakhishvili Zurab		X		
8	Research Methods in Earth Sciences	Global Tectonics and Geodynamics; Mathematical Modelling and Programming in Earth Sciences; Remote Sensing in Geosciences;	6	49	Mand.	Okrostvaridze Avtandil, Godoladze Tea, Javakhishvili Zurab, Elashvili Mikheil, Janelidze Zurab			X	
9	Natural Catastrophes, Hazards and Risks	Earth Systems and Environment	6	45	Mand.	Elashvili Mikheil			X	

10	Academic Writing	It needs minimum 42 credits (of the program courses)	6	34	Mand.	Asatiani Magda			X	
11	Internship	It needs minimum 78 credits (of the program courses)	6		Mand.					X
12	Master's Project	Mandatory courses of the program, except of the Internship	24		Mand.					X
Elective courses - 30 Credits										
1	Geology of Mineral Deposits	Earth Systems and Environment	6	40	Elect.	Magalshvili Archil			X	
2	Regional Geology	No prerequisites	6	56	Elect.	Boichenko Giorgi, Magalashvili Archil	X			
3	Geomatics	Advanced aspects of Geo-information systems	6	50	Elect.	Elashvili Mikheil		X		
4	Modern Problems of Geomorphology	Advanced aspects of Geo-information systems	6	44	Elect.	Janelidze Zurab			X	
5	History of Earth	No prerequisites	6	57	Elect.	Javakhishvili Zurab	X			
6	Economics and Project Management in Earth Sciences	Earth Systems and Environment	6	32	Elect.	Magalashvili Archil			X	
7	Vulcanology	Petrology	6	50	Elect.	Nino Pofkhadze		X		
8	Modern Technics in Applied Geophysics	Mathematical Modelling and Programming in Earth Sciences; Lithology/Sedimentology; Global Tectonics and Geodynamics	6	47	Elect.	Godoladze Tea, Akubardia Dimitri			X	
9	Tectonic Geodesy and Geodesic Survey	Global Tectonics and Geodynamics	6	47	Elect.	Akhalaia Giorgi, Godoladze Tea		X		
10	Earthquake Physics and Seismic Waves	No prerequisites	6	48	Elect.	Shengelia Ia	X			
11	Modern Software in Geology	Earth Systems and Environment	6	45	Elect.	Magalshvili Archil; Abuashvili Davit			X	
12	Spatial Data Analyses and Modelling in GIS	Earth Systems and Environment	6	45	Elect.	Elashvili Mikheil			X	
13	Academic English Language	No prerequisites	6	60	Elect.	Rogava Maia			X	
14	Impact Assessment	Earth Systems and Environment	6	32	Elect.	Mamuka Gvilava			X	