

COURSE UNIT (MODULE) DESCRIPTION

Course unit (module) title										Code				
Theoretical and Applied														
Lecturer(s)					Department(s) where the course unit (module) is delivered									
Coordinator: assoc. prof. dr. Sigitas Radzevičius				Department of Geology and Mineralogy, Institute of Geoscience,										
	Study cycle					Faculty of Chemistry and Geoscience, Vilnius University.								
		Type of the course unit (module)												
Full-time studies (2 nd stage, master).				Mandatory.										
Mode of deliv		Period when the course unit						Language(s) of instruction						
			(module) is delivered											
Face-to-face.		` /						thuanian / English.						
					irements for students									
Prerequisites: General geology					Additional requirements (if any): no									
Course (module) volume in credits	Total student	al student's workload			Contact hours						Self-study hours			
5	133		64						69	69				
		se unit (m	odul		rogr	amm	e com	neten	ces to		veloped			
	Purpose of the course unit (module): programme competences to be developed To get acquainted with the principles of stratigraphy, stratigraphic unit's types and the rules of description, the International											ernational		
Stratigraphic scale with i														
of local, regional and international stratigraphic scale, to provide analysis and interpretation, training to identify problems, find, analyse the present data.														
	Learning outcomes of the course unit (module) Teaching and learning Assessment methods										ods			
Dear ming outcomes of	the course unit	(module)		methods						135655ment memous				
- Demonstrate knowledge	e of the principle	es of	Ι	Lectures, problem based						Examination				
stratigraphy, stratigraphic unit's types and			teaching, demonstration,											
distinguish procedures.	71					n retr		,						
<u> </u>			Self-study work: time						me and					
					Con	tact h	ours			assignments				
							ck	J		Ľ				
Content: breakdown of the topics														
				Seminars Exercises Laboratory work Internship/work olacement Contact hours Self-study hours				Assi	Assignments					
			ß	als	ars	ise	ıt01	hig	_ ਹ	pn				
			ori	ji	Exercises	ora	rns	ıta	-st					
			Cectules	Futorials	Seminars	Ex	ab	Internship/ placement	[]	Self				
1 Aspects of Theo	retical and a	pplied 3	1		9 1	1	I	П .	4	4	Self-study	of	reference	
stratigraphy science, prin		11								-	material.	-		
stratigraphy.														
2. The concept of strat	igraphic unit a	nd the 3				1			4	4	Self-study	of	reference	
essence of stratigraphic d											material.			
3. Lithostratigraphy.		5				1			6	6	Self-study	of	reference	
											material.			
4. Biostratigraphy.		5				1			6	6	Self-study	of	reference	
											material.			
5. Chronostratigraphy.		5				1			6	7	Self-study	of	reference	
										material.				
6. Magnetostratigraphy.		5				1			6	7	Self-study	of	reference	
											material.			
7. Climate stratigraphy.		4				1			5	7	Self-study	of	reference	
											material.			

8. Cyclostratigraphy.					1			6	7	Self-study of reference material; preparation for lab-work defence.	
9. Different categories of stratigraphic units, mutual relations and connections.					2			5	7	Self-study of reference material; preparation for lab-work defence.	
10. The description and extraction rules of stratigraphic units.					2			5	6	Self-study of reference material; preparation for lab-work defence.	
11. The International stratigraphic scale.					2			9	7	Self-study of reference material; preparation for lab-work defence.	
12. Preparing for the exam and the exam storage.								2	1	Self-study of reference material; preparation for	
		Total	48		16			64	69		
Assessment strategy	Weight,%	Deadline Assessment criteria									
Final written examination	100 %	term Stratigraphy				and understanding of Theoretical and Applied terminology and concepts, reasoning abilities, ability different kinds of given information, analytical skills.					
Author	Year of publication	Title				Issue of a periodical or volume of a publication			Publis or wel	shing place and house b link	
Compulsary reading											
1. Salvador A. (ed.)	1994	Internat Guide				The Geological Society of America. U.S.A. 213 p.					
2. Grigelis A., Paškevičius J., Jankauskas T., Kondratienė O., Satkūnas J.	2002	Lietuvos stratigrafijos vadovas							Lietuvos geologijos tarnyba, Geologijos institutas, Vilniauss universitetas. 163p.		
3. Jankauskas T.	2005	Teorinė ir taikomoji stratigrafija					Vilniaus universitetas. 10				
4 Gradstein F. M., Ogg J. G., Schmitz M., Ogg G. (eds.)	2012	. The Geologic Time Scale 2012					ELSEVIER. 2-Volume.				