

<b>Study program</b>		<b>Study cycle</b>		Undergraduate study program (first cycle)				
		<b>Orientation</b>		Regional and spatial planning				
<b>SUBJECT</b>								
Subject name		<b>PETROGRAPHY WITH MINERALOGY</b>						
Subject code	Semester	Subject status		ECTS credits	Contact hours			
FG-111.8-2	II	mandatory		5	125			
Prerequisites								
Assigned professors and assistants		Subject Leader		Dr. sci. Mevlida Operta, full professor				
		Teaching Assistants		MA Ahmed Džaferagić, teaching assistant				
Subject objectives		Introducing students to the characteristics of petrogenic minerals that occur in rocks as the essential, secondary and accessory ingredients. Then introducing students to structural textural, mineralogical and chemical characteristics of the rocks. In addition to these features, which essentially determines the application of rocks in different industries, students will become familiar with their appearance and classification. The aim of this course is to enable students to recognize igneous, sedimentary and metamorphic rocks, and to recognize the major differences between rock types.						
<b>SUBJECT CONTENT</b>								
No.	Teaching units			Contact hours				
				L	P	S	C	
1.	Introduction to mineralogy and petrography			2	2	1	1	
2.	Crystals and aggregates			2	2	1	1	
3.	Physical characteristics of minerals			2	3	1	1	
4.	The genesis or origin of minerals			2	2	1	1	
5.	Classification of minerals, nesilicate minerals			3	3	1	1	
6.	Silicate minerals			3	3	1	1	
7.	Test I			1				
8.	Rocks and division by origin			1	2	2	2	
9.	Igneous rock, appearance in the lithosphere			2	2	2	2	
10.	Classification of ingenuous rocks			2	2			
11.	Mineral composition, structural and textural characteristics and distribution of igneous rocks			2	2	1	1	
12.	The origin of sedimentary rocks and classification of sedimentary rocks			2	2	1	1	
13.	Mineral composition, structural and textural characteristics and distribution of sedimentary rocks			2	2	1	1	
14.	Genesis and classification of metamorphic rocks			2	2	2	2	
15.	Mineral composition, structural and textural characteristics and distribution of metamorphic rocks			2	2			
<b>STUDENT WORKLOAD (HOURS)</b>								
Contact Hours	60	Practical work		Seminars	15	Exam study time	30	
Literature – reading	5	Written papers		Other (state)	15	TOTAL	125	
<b>TEXTBOOKS AND STUDY MATERIALS</b>				<b>EVALUATION OF KNOWLEDGE AND CRITERIA</b>				
<b>MANDATORY</b> Operta, M. (2014): Petrografija, Udžbenik Prirodno-matematičkog fakulteta u Sarajevu. Pamić, J. (1972): Osnovi petrografije, Univerzitet u Sarajevu.  <b>ADDITIONAL</b> Tajder, M., Herak, M. (1972): Petrologija i geologija. Školska knjiga Zagreb				<b>PARAMETERS</b>		Maximum Points	Minimum points	
				1.	Attendance		10	6
				2.	Participation on lectures		10	5
				3.	Midterm exam		40	22
				4.	Final exam		40	22
				<b>T o t a l</b>		100	55	
Notes:								