

Subject code: FG-111.8-1	Subject name: PETROGRAPHY WITH MINERALOGY		
Ciklus: I	Year: I	Semester: II	ECTS credits: 5
Status: mandatory		<b>Contact hours: 125</b> <i>Lectures: 30</i> <i>Exercises: 30</i>	5
Assigned professor and assistants:	`S		
Prerequisits:	/		
Subject objectives:	characterist secondary students to characterist composition determine ti students wil	isc of petrogenic mir and accessory compo- independently recogn- ics of rocks and expl of rocks. In addition to he application of rocks	the recognize and interpret the nerals that occur as essential, nents of rocks. Then training ize the structural and textural lain the mineral and chemical these features that significantly in different branches of industry, he way these features appear and
Teaching units:	<ul> <li>2. Crystals a.</li> <li>3. Physical c.</li> <li>4. The geness</li> <li>5. Division b.</li> <li>6. Silicate m.</li> <li>7. Test I</li> <li>8. Rocks and</li> <li>9. Igneous roc</li> <li>10. Classifico</li> <li>11. Mineral of</li> <li>distribution</li> <li>12. The origin rocks</li> <li>13. Mineral of</li> <li>distribution</li> <li>14. Genesis of</li> <li>15. Mineral of</li> </ul>	<ul> <li>8. Rocks and division by origin</li> <li>9. Igneous rock, appearance in the lithosphere</li> <li>10. Classification of ingenous rocks</li> <li>11. Mineral composition, structural and textural characteristics and distribution of igneous rocks</li> <li>12. The origin of sedimentary rocks and classification of sedimentary</li> </ul>	



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Learning outcomes:	<ul> <li>Knowledge: The student will be able to explain the genesis of minerals, the origin of rocks, student present and interpret the properties of minerals, classify petrogenic minerals according to crystallochemical classification and classify rocks by genesis.</li> <li>Skills: The student will be able to present and interpret the chemical composition and physical properties of minerals, student present and explain the mineral composition of rocks, describe and recognize the structure and texture of rocks.</li> <li>Competencies: The student will be able to, independently and in a team, describe and recognize minerals, rock types, lead a discussion and percieve the differences between individual minerals and rock types.</li> </ul>			
Teaching methods:	Lectures are theoretical and practical based on introducing students to the properties and composition of petrogenic minerals and learning about the structural-textural, mineralogical and chemical characteristics of rocks as well as the differentiation amongst minerals and rocks.			
Knowledge testing methods with grading structure <sup>1</sup> :	Lecture an Activity in Test: max Final exar	class: maximum 10 - imum 40 - minimum 2 n: maximum 40 - mini points, passing requir	e: maximum 10 - minimum 6 points minimum 5 points 22 points	

<sup>&</sup>lt;sup>1</sup> The structure of points and point criteria for each subject is determined by the Council of the organizational unit before the beginning of the academic year in which the subject is taught in accordance with Article 64, paragraph 6 of the Law on Higher Education of Sarajevo Canton



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Literature <sup>2</sup> :	MANDATORY: Operta, M. (2014): Petrografija, Udžbenik Prirodnomatematičkog fakulteta u Sarajevu. Operta, M. (2013):Opća geologija, Udžbenik Prirodno-matematičkog fakulteta u Sarajevu. Pamić, J. (1972): Osnovi petrografije, Univerzitet u Sarajevu. RECOMMENDED: Tajder, M., Herak, M. (1972): Petrologija i geologija. Školska knjiga Zagreb
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 $<sup>^2</sup>$  The Senate of the higher education institution as an institution or the council of the organizational unit of the higher education institution as a public institution determines mandatory and recommended textbooks and manuals, as well as other recommended literature on the basis of which exams are prepared by a special decision which must be published on its website before the beginning of the academic year in accordance with Article 56, paragraph 3 of the Law on Higher Education of the Sarajevo Canton