Subject code: GE-458-4	**Subject name:** Ore Deposits		
Study cycle: I	**Year:** IV	**Semester:** VII	**ECTS credits:** 6
Status: Elective		**Contact hours:** 60 Lectures: 30 Practical courses: 30	
Assigned professors and assistants:	Lecturers and assistants selected for the field to which the course belongs		
Prerequisits:	/		
Subject objectives:	Training students for independent interpretation of the genesis, classification, and significance of ore deposits. Training students to understand the impact of ore deposit exploitation and ore processing on the environment		
Teaching units:	1. Ore Deposits - Definition and Classification 2. Methods and Methodology of Prospecting Ore-Bearing Areas 3. Basic Characteristics of Ore Deposits 4. Types of Mineralization and Forms of Ore Deposits (Bodies) 5. Classification of Ore Deposits (by number of valuable components, by origin, by time of formation, by position, and by shape) 6. Tectonostratigraphic Units of the Dinarides Identified Based on Plate Tectonics 7. Endogenic Ore Deposits 8. The First Test 9. Exogenous Ore Deposits 10. Metamorphic Deposits 11. Ore Products of Orogenetic Cycles in Bosnia and Herzegovina 12. Impact of Ore Deposit Exploitation and Ore Processing (Metallurgical and Technological Processes) on the Environment 13. Exploitation Fields Planned for Remediation and Land Reclamation 14. Ore Tailings 15. Development of Metallogenic Maps and Registry of Ore Deposits and Occurrences		
Learning outcomes:	**Knowledge:** A student describes the processes of ore deposit formation.		

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<tr><td></td><td>A student identifies types of ore deposits.
A student explains the genesis of ore deposits.
A student elucidates the significance of ore deposits.

Skills:
A student recognizes and analyzes the impact of ore exploitation and processing on the environment.
A student analyzes ore tailings.
A student proposes preventive measures for environmental protection as well as measures for remediation and reclamation.

Competencies:
A student independently recognizes and analyses ore deposits.
A student independently presents information and data in written and verbal forms.</td></tr>
<tr><td>Teaching methods:</td><td>The lectures are theoretical and practical, based on the interpretation, recognition, and analysis of ore deposits.</td></tr>
<tr><td>Knowledge testing methods with grading structure[1]:</td><td>
<table>
<tr><td></td><td>Points</td></tr>
<tr><td>Attendance</td><td>max 10 - min 6</td></tr>
<tr><td>Participation on lectures</td><td>max 10 - min 5</td></tr>
<tr><td>Tests</td><td>max 40 - min 22</td></tr>
<tr><td>Final exam</td><td>max 40 - min 22</td></tr>
<tr><td>TOTAL</td><td>max 100 - min 55</td></tr>
</table>
Assessment:
<table>
<tr><td>Grade</td><td>ECTS grade</td><td>Points scale</td></tr>
<tr><td>10</td><td>(A) excellent</td><td>95 - 100</td></tr>
<tr><td>9</td><td>(B) very good</td><td>85 - 94</td></tr>
<tr><td>8</td><td>(C) good</td><td>75 - 84</td></tr>
<tr><td>7</td><td>(D) satisfactory</td><td>66 - 74</td></tr>
<tr><td>6</td><td>(E) sufficient</td><td>55 - 64</td></tr>
<tr><td>5</td><td>(F, FX) insufficient</td><td><55</td></tr>
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</td></tr>
<tr><td>Literature[2]:</td><td>Mandatory:</td></tr>
</table>

[1] 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

[2] The Senate of the higher education institution as an institution or a 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 act which is required to 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.

	Kubat, I. (2001): Metalogenija, Univerzitet u Tuzli, Rudarsko-geološko-građevinski fakultet. Stanley, C. J. (1999): Mineral deposits: Processes to processing, Volume 1, Rotterdam, Netherland Stanley, C. J. (1999): Mineral deposits: Processes to processing, Volume 2, Rotterdam, Netherland **Recommended:** Ramović, M. (1983): Osnovi metalogenije. Pos. izd. Geol. glasnik. Institut za geologiju Pamić, J. (1996): Magmatske formacije Dinarida, Vardarske zone i južnih dijelova Panonskog bazena, Časopis "Nafta", Zagreb. Roonwal, G. S. (2018): Mineral Exploration: Practical Application, University Acceleration Centre, New Delhi, India.