



UNIVERSITY OF SARAJEVO – FACULTY OF SCIENCE
SUBJECT DESCRIPTION

Form SP2

Page 1 of 3

Subject code: GE-401.8-4	Subject name: Natural Resources and Their Protection		
Study cycle: I	Year: IV	Semester: VIII	ECTS credits: 6
Status: Mandatory		Contact hours: 60 Lectures: 30 Practical courses: 30	
Assigned professors and assistants:	Lecturers and assistants selected for the field to which the course belongs.		
Prerequisites:	/		
Subject objectives:	The importance of the emergence, valorization, and preservation of natural resources crucial for the development and progress of humanity understanding cause-and-effect relationships and connections among natural environment elements and anthropopressure. The importance of protecting natural resources, i.e., natural conditions and sources		
Teaching units:	1. Introductory Considerations 2. Natural Resources – Concept and Classification 3. Principles and Methods of Natural Resource Valorization 4. Fossil Fuels 5. Metallic and Non-Metallic Mineral Raw Materials 6. Geothermal Energy 7. First Test 8. Solar Energy 9. Wind Energy 10. Water Energy 11. Tidal and Wave Energy 12. Biosphere as a Natural Resource 13. Pedosphere as a Natural Resource 14. Management and Sustainable Use of Natural Resources 15. Protection of Natural Resources		
Learning outcomes:	Knowledge: • student understands the concept of natural resources. • student identifies the natural resources of a specific		



	area. Skills: • student independently analyzes the natural resource base and assesses its suitability for economic development activities. Competencies: • student independently valorizes the resource base of Bosnia and Herzegovina. • student independently evaluates natural resources in the context of sustainable development.																																																
Teaching methods:	Multimedia presentation and discussion (lectures); practical work, educational material analysis and discussion (practical courses).																																																
Knowledge testing methods with grading structure¹:	<table><tr><td></td><td colspan="2"><i>Points</i></td></tr><tr><td>Attendance</td><td>5</td><td>3</td></tr><tr><td>Participation on lectures</td><td>5</td><td>3</td></tr><tr><td>Tests</td><td>40</td><td>22</td></tr><tr><td>Seminar paper</td><td>10</td><td>6</td></tr><tr><td>Final exam</td><td>40</td><td>21</td></tr><tr><td colspan="3"> </td></tr><tr><td>TOTAL</td><td>100</td><td>55</td></tr></table> Assessment: <table><tr><td><i>Grade</i></td><td><i>ECTS grade</i></td><td><i>Points scale</i></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 colspan="3"> </td></tr><tr><td>5</td><td>(F, FX) insufficient</td><td>55</td></tr></table>		<i>Points</i>		Attendance	5	3	Participation on lectures	5	3	Tests	40	22	Seminar paper	10	6	Final exam	40	21				TOTAL	100	55	<i>Grade</i>	<i>ECTS grade</i>	<i>Points scale</i>	10	(A) excellent	95 - 100	9	(B) very good	85 - 94	8	(C) good	75 - 84	7	(D) satisfactory	66 - 74	6	(E) sufficient	55 - 64				5	(F, FX) insufficient	55
	<i>Points</i>																																																
Attendance	5	3																																															
Participation on lectures	5	3																																															
Tests	40	22																																															
Seminar paper	10	6																																															
Final exam	40	21																																															
TOTAL	100	55																																															
<i>Grade</i>	<i>ECTS grade</i>	<i>Points scale</i>																																															
10	(A) excellent	95 - 100																																															
9	(B) very good	85 - 94																																															
8	(C) good	75 - 84																																															
7	(D) satisfactory	66 - 74																																															
6	(E) sufficient	55 - 64																																															
5	(F, FX) insufficient	55																																															
Literature²:	Mandatory: - Crnogorac, Č., Spahić, M. 2012: Osnovi geoekologije. Banja Luka: Artprint - Labudović, B. (2002.) Obnovljivi izvori energije. Zagreb: Energetika marketing - Natural resources - sustainable targets, technologies, lifestyles and governance, 2015. (ur. Ludwig, C., Matasci, C.,																																																

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.



UNIVERSITY OF SARAJEVO – FACULTY OF SCIENCE
SUBJECT DESCRIPTION

Form SP2

Page 3 of 3

Edelmann, X.). Dostupno na: <https://www.wrforum.org/wp-content/uploads/2015/11/WRF-2013-2014-Natural-Resources.pdf>

Recommended:

- Donlagić, M. 2005: Energija i okolina. Tuzla: Univerzitet u Tuzli.
- Natural resources: Definitions, trade patterns and globalization, World Trade Report, 2010. Dostupno na: https://www.wto.org/English/res_e/booksp_e/anrep_e/wtr10-2b_e.pdf
- Energetska strategija Evropske unije. Dostupno na: <https://ec.europa.eu/energy/en/topics/energystrategy/2050-energy-strategy>.