



Subject code: ZŽS/125	Subject name: Environmental Impact Assessment Methods		
Study cycle: III	Year: I	Semester: II	ECTS credits: 6
Status: elective		Contact hours: 60 Lectures: 40 Practical courses: 20	
Assigned professors and assistants:	Lecturers and assistants selected for the field to which the course belongs		
Prerequisites:	/		
Subject objectives:	Familiarizing students with the goals, principles, techniques, and methods of environmental impact assessment. Familiarizing students with field methodology and economic assessment of environmental impact.		
Teaching units:	1. Introductory Lecture 2. Environmental Impact Assessments – Goals and Methodology 3. Types of Environmental Impact Assessments: Strategic Assessments and Impact Studies 4. Legal Regulations in the Field of Environmental Impact Assessment in Bosnia and Herzegovina 5. Contents of the Environmental Impact Assessment Study 6. Stages of Developing Environmental Impact Assessment Studies 7. Data Collection Methodology 8. Using GIS in the Collection and Analysis of Geospatial Data 9. Use of Various Tools and Models for Environmental Impact Analysis 10. Impact Assessment on Air, Water, and Soil 11. Biodiversity Impact Assessment 12. Integration of Sustainability Principles 13. Identification of Measures to Reduce Negative Environmental Impacts 14. Spatial Analysis – Creation and Analysis of Thematic Maps 15. Analysis of Existing Projects and Application of Environmental Impact Assessments		
Learning outcomes:	Knowledge: Understands and analyzes the importance of environmental impact studies.		



	Skills: Assesses the state and identifies measures to reduce negative environmental impacts. Competencies: Independently prepares, creates, and interprets geodatabases and applies appropriate analyses.																																				
Teaching methods:	Multimedia presentation and discussion (lecture); independent research work by students and joint analysis (research seminar/project, project tasks).																																				
Knowledge testing methods with grading structure¹:	<table><tr><td></td><td><i>Maximum points</i></td><td><i>Minimum points</i></td></tr><tr><td>Oral Discourse</td><td>25</td><td>14</td></tr><tr><td>Project Tasks</td><td>25</td><td>14</td></tr><tr><td>Independent Research Work with Oral Verification</td><td>50</td><td>27</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>5</td><td>(F, FX) insufficient</td><td><55</td></tr></table>		<i>Maximum points</i>	<i>Minimum points</i>	Oral Discourse	25	14	Project Tasks	25	14	Independent Research Work with Oral Verification	50	27	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
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Literature²:	Mandatory: Izveštaj o strateškoj procjeni uticaja na životnu sredinu Republike Srpske (2022-2032). https://komorars.ba/javnarasprava-o-strategiji-zastite-zivotnesredine-republike-srpske-2022-2032/ Strateška studija o procjeni uticaja na okoliš za Federalnu strategiju zaštite okoliša 2022-2032. https://www.fmoit.gov.ba/bs/novosti/priopcenja/ javni-poziv-federalna-strategija-zastite-okolisa-2022-2032-i strateska-studija																																				

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

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Recommended:

Alcamo, J. (2008): Environmental Futures: the practice of environmental scenario analysis, 1st edition, volume 2. Elsevier Science

Janssen, R. (2001): On the use of multi-criteria analysis in environmental impact assessment. Journal of Multi-Criteria Decision Analysis, 10, 101-109.

Veljović, E. (2022): Analiza značaja strateške procjene uticaja na okoliš kao alata zaštite okoliša u BiH. Sarajevo: Fondacija Heinrich Böll