Subject code: GE-407-4	**Subject name: Methodology of geoecological research**		
Study cycle: I	**Year: IV**	**Semester: VII**	**ECTS credits:** 6
Status: ***Mandatory***		**Contact hours: 125** Lectures: 30 Practical courses: 30	
Assigned professors and assistants:	Lecturers and assistants selected for the field to which the course belongs		
Prerequisits:	/		
Subject objectives:	- Acquiring knowledge about scientific research methods in geography and geoecology - Comprehending the concept of methodology within the realm of geoecology - Acquiring knowledge about the nature of fundamental and applied research in geoecology - Developing skills in applying scientific research methods in the field of geoecology - Acquiring knowledge about the methods of collecting, processing, and presenting data		
Teaching units:	1. Introduction: The Scientific Approach in Geography and Geoecology 2. Fundamental Research Concepts 3. Scientific Communication 4. Data Collection in Geography and Geoecology: An Overview 5. Physical-Geographical Measurements 6. Behavioural Observations and Archiving 7. Explicit Reports: Surveys, Interviews, and Tests 8. TEST 1 9. Experimental and Non-Experimental Research Designs (Models) 10. Sampling 11. Statistical Data Analysis 12. Laboratory Methods: Air, Water, Soil; Flora and Fauna 13. Reliability and Validity 14. Information Technologies in Research 15. TEST 2		
Learning outcomes:	*Knowledge:* Knowledge of scientific research methods in geography and geoecology. Concept of methodology. Nature of fundamental and applied research in geoecology. Methods of data collection, processing, and presentation.		

	Skills: Identification of models, methods, and parameters relevant for geoecological research. Identification, assessment, and categorisation of geoecological parameters. Application of scientific research methods in the field of geoecology. *Competencies:* Knowledge of modern models, techniques, and methods in environmental protection. Identification and assessment of geoecological parameters. Distinction between fundamental and applied geoecological research. Component observations and assessment of the state of the environment.
Teaching methods:	Interactive method, dialogue method, oral presentation method, practical work, text method, audio-visual method, demonstration method, written and graphic works method, individual work, group work, pair work
Knowledge testing methods with grading structure[1]:	**Evaluation criteria:** Engagement: 20, tests: 40x2 (80), total: 100 points. *Engagement:* attendance: 5, participation: 5, written work: 10 Test 1,2: 40, 22 (55%)/ intg. (t1,t2) 80, 44 (55%) *Bologna scale:* 10 (A) - 95-100 points (excellent) 9 (B) - 85-94 points (very good) 8 (C) - 75-84 points (good) 7 (D) - 65-74 points (satisfactory) 6 (E) - 55-64 points (sufficient) 5 (F, FX) - less than 55 points (insufficient)
Literature[2]:	*1. Spahić, M. (1999): Osnove geoekologije- geografske osnove životne sredine, Harfograf, Tuzla* *2. Zelenika, R. (2000): Metodologija i tehnologija izrade znanstvenog i stručnog djela, Ekonomski fakultet u Rijeci, Rijeka* *3. Žunić, L. (2022): Pozitivni socio-kulturni impakti turizma na geografsku i životnu sredinu, PMF Sarajevo* *4. Žunić, L. (2023): Impakti turizma, PMF Sarajevo* *5. Žunić, L. (2018): Turizam Sarajeva- receptivni kulturni faktori destinacije, PMF Sarajevo* *6. Articles, studies, official regulations in the field, etc.*

[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.