



<b>Subject code:</b> GUO/202	<b>Subject name:</b> Methodology of scientific research in the field of geographical sciences		
<b>Study cycle:</b> III	<b>Year:</b> I	<b>Semester:</b> II	<b>ECTS credits:</b> 10
<b>Status:</b> Optional		<b>Contact hours: 60</b> Lectures: 30 Exercises/ Research seminar (research project): 30	
<b>Assigned professors and assistants:</b>	Teachers and associates selected in the field to which the subject belongs		
<b>Prerequisites:</b>	/		
<b>Subject objectives:</b>	The aim of the course is to master modern knowledge of the methodology of geography in the function of the teaching process. Relationship between general teaching methodology and application of new methods in teaching geography. Understanding of new tendencies in the development of geography methodology. Special attention is paid to the modern methodology of geography.		
<b>Teaching units:</b>	<ol style="list-style-type: none"> <li>1. Methodology of geographical study - concept, definitions, subject, goals and objectives of the study;</li> <li>2. Theories and methodology of geographical study;</li> <li>3. The role and importance of geography and the relationship to other scientific disciplines in the field of scientific research;</li> <li>4. Development of study methodology;</li> <li>5. Basic methods of scientific research in the field of geographical sciences;</li> <li>6. Basic principles of scientific research in the field of geographical sciences;</li> <li>7. Study of problems;</li> <li>8. Setting and verifying hypotheses;</li> <li>9. Data collection and processing;</li> <li>10. Presentation of research results and their use;</li> <li>11. Methods and techniques of work in geography and their use in research;</li> <li>12. Significant information sources and literature in geographical research;</li> <li>13. Use of sources in geographical research.</li> <li>14. The role and possibilities of statistical analysis in geographical research;</li> <li>15. Application of computer package in geographical research.</li> </ol>		
<b>Learning outcomes:</b>			
<b>Teaching methods:</b>	Multimedia presentation and discussion (lectures); practical		



	work, educational material analysis and discussion (research seminar/project).																					
<b>Knowledge testing methods with grading structure<sup>1</sup>:</b>	<table> <thead> <tr> <th></th> <th style="text-align: right;"><i>Points</i></th> </tr> </thead> <tbody> <tr> <td>Oral discourses</td> <td style="text-align: right;">25</td> </tr> <tr> <td>Project tasks</td> <td style="text-align: right;">25</td> </tr> <tr> <td>Final exam</td> <td style="text-align: right;">50</td> </tr> <tr> <td><b>TOTAL</b></td> <td style="text-align: right;"><b>100</b></td> </tr> </tbody> </table>		<i>Points</i>	Oral discourses	25	Project tasks	25	Final exam	50	<b>TOTAL</b>	<b>100</b>											
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<b>Literature<sup>2</sup>:</b>	<p><b>Mandatory:</b></p> <ol style="list-style-type: none"> <li>1. Matas, M. (1998.): Metodika nastave geografije, HGD Zagreb.</li> <li>2. Nurković, R.: (2020): Stem education in teaching geography in Bosnia and Herzegovina, FOLIA GEOGRAPHICA, International scientific journal, University of Prešov, Volume 60, No. 2, 49–61, (2018) ISSN 1336-6157 (hard copy), ISSN 2454-001(online),p.127-141</li> <li>3. Valentine, G. And Clifford, N. (ur.) (2003): Key Methods in Geography, SAGE Publications.</li> <li>4. Robinson, G. (1998): Methods and Techniques in Human Geography, New York, Wiley.</li> <li>5. Rogerson, P. A. (2001): Statistical Methods for Geography, SAGE Publications.</li> </ol>																					

<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

<sup>2</sup> 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.