



UNIVERSITY OF SARAJEVO – FACULTY OF SCIENCE
SUBJECT DESCRIPTION

Form SP2

Page 1 of 2

Subject code: <i>FG-203.8-2</i>	Subject name: Applied geomorphology		
Study cycle: <i>I</i>	Year: <i>II</i>	Semester: <i>III</i>	ECTS credits: <i>2</i>
Status: <i>Optional</i>		Contact hours: <i>30</i> <i>Lectures: 15</i> <i>Exercises: 15</i>	
Assigned professors and assistants:			
Prerequisites:	/		
Subject objectives:	<i>Training students for independent research of relief and relief dynamics of a given area through quantitative and qualitative geomorphological analyses, laboratory research, methods of field research and synthesis of obtained data, and making professional and scientific conclusions.</i>		
Teaching units:	<ol style="list-style-type: none"><i>1. Introductory considerations;</i><i>2. Qualitative and quantitative geomorphological analysis;</i><i>3. Cabinet methods of geomorphological analysis;</i><i>4. Analyzes of topographic and geological maps and satellite and aerial photographs;</i><i>5. Statistical-mathematical analysis of the material;</i><i>6. Laboratory research;</i><i>7. Field research;</i><i>8. Partial exam;</i><i>9. Monitoring along the route, monitoring the border;</i><i>10. Profile recording and analysis of data collected in the field;</i><i>11. Quantitative geomorphological analysis;</i><i>12. Analysis of the energy of the relief and the slope of the slopes;</i><i>13. NATURA Analysis of longitudinal profiles and drainage system;</i><i>14. Other procedures of qualitative geomorphological analysis;</i><i>15. Credibility of morphometric research data.</i>		
Learning outcomes:	Knowledge: <ul style="list-style-type: none"><i>- analyzes geomorphological forms of space</i><i>- recognizes relief types.</i> Skills: <ul style="list-style-type: none"><i>- independently applies geomorphological research methods.</i>		



	<p>Competencies:</p> <ul style="list-style-type: none"> - <i>independently evaluates the geomorphological specificities of the space,</i> - <i>evaluates relief and relief forms independently.</i> 																																																
Teaching methods:	<i>Multimedia presentation and discussion (lectures); practical work, educational material analysis and discussion (exercises).</i>																																																
Knowledge testing methods with grading structure¹:	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2"></th> <th style="text-align: right;">Points</th> </tr> </thead> <tbody> <tr> <td style="width: 60%;"></td> <td style="width: 30%;"><i>Attendance</i></td> <td style="text-align: right;">5</td> </tr> <tr> <td></td> <td><i>Participation on lectures</i></td> <td style="text-align: right;">5</td> </tr> <tr> <td></td> <td><i>Partial exam</i></td> <td style="text-align: right;">40</td> </tr> <tr> <td></td> <td><i>Seminar paper</i></td> <td style="text-align: right;">10</td> </tr> <tr> <td></td> <td><i>Final exam</i></td> <td style="text-align: right;">40</td> </tr> <tr> <td></td> <td style="border-top: 1px solid black;"><i>TOTAL</i></td> <td style="text-align: right; border-top: 1px solid black;">100</td> </tr> </tbody> </table> <p>Assessment:</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Grade</th> <th style="width: 40%;">ECTS grade</th> <th style="width: 45%;">Points scale</th> </tr> </thead> <tbody> <tr> <td>10</td> <td><i>(A) excellent</i></td> <td style="text-align: right;">95 - 100</td> </tr> <tr> <td>9</td> <td><i>(B) very good</i></td> <td style="text-align: right;">85 - 94</td> </tr> <tr> <td>8</td> <td><i>(C) good</i></td> <td style="text-align: right;">75 - 84</td> </tr> <tr> <td>7</td> <td></td> <td></td> </tr> <tr> <td></td> <td><i>(D) satisfactory</i></td> <td style="text-align: right;">66 - 74</td> </tr> <tr> <td>6</td> <td><i>(E) sufficient</i></td> <td style="text-align: right;">55 - 64</td> </tr> <tr> <td>5</td> <td><i>(F, FX) insufficient</i></td> <td></td> </tr> <tr> <td>55</td> <td></td> <td></td> </tr> </tbody> </table>			Points		<i>Attendance</i>	5		<i>Participation on lectures</i>	5		<i>Partial exam</i>	40		<i>Seminar paper</i>	10		<i>Final exam</i>	40		<i>TOTAL</i>	100	Grade	ECTS grade	Points scale	10	<i>(A) excellent</i>	95 - 100	9	<i>(B) very good</i>	85 - 94	8	<i>(C) good</i>	75 - 84	7				<i>(D) satisfactory</i>	66 - 74	6	<i>(E) sufficient</i>	55 - 64	5	<i>(F, FX) insufficient</i>		55		
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Literature²:	<p>Mandatory:</p> <ol style="list-style-type: none"> 1. <i>Marković, M., 1983: Osnovi primjenjene geomorfologije, Beograd</i> <p>Recommended:</p> <ol style="list-style-type: none"> 1. <i>Cooke, R.U. i Doorkamp, J.C., 1977: Geomorphology in environmental management, Oxford.</i> 2. <i>Chorolcy, R.J., 1971: Introduction to fluvial processes, Methucen.</i> 3. <i>Steers, J.A., 1971: Applied coastal geomorphology, Edinburgh.</i> 																																																

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.