



UNIVERSITY OF SARAJEVO – FACULTY OF SCIENCE
SUBJECT DESCRIPTION

Form SP2

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Subject code: FG-103-2	Subject name: Geomorphology		
Study cycle: I	Year: I	Semester: II	ECTS credits: 6
Status: mandatory		Contact hours: 60 Lectures: 30 Practical courses: 30	
Assigned professors and assistants:	Teachers and associates selected in the field to which the subject belongs.		
Prerequisites:	/		
Subject objectives:	Adoption of knowledge about various endogenic geomorphological processes and forms, tectonic movements and their morphological significance, the genesis and evolutionary classification of mountains, ancient plates and the global relief of the Earth, the genesis of ocean basins, as well as volcanic and seismic phenomena and forms. Adoption of knowledge about various exogenic geomorphological processes and forms, basic genetic types of relief: slope, denudational, abrasive, fluvial, fluviodenudational, karst, fluviokarst, nivation, glacial, and aeolian, as well as the significance of exogenic and endogenic relief forms for the development of various socio-economic activities in the world and in Bosnia and Herzegovina		
Teaching units:	1. Tectonic movements and forms, endogenic forces and their geomorphological significance 2. Tangential and radial movements and forms, tectogenesis of fold and fault mountains 3. Global relief of the Earth, macro relief forms of continents and ocean basin floor relief 4. Volcanic phenomena and forms 5. Seismic phenomena and forms 6. Partial exam 7. Soil erosion, slope processes and forms 8. Fluvial processes and forms 9. Abrasive processes and forms 10. Karst processes and forms I 11. Nivation processes and forms 12. Glacial processes and forms 13. Aeolian processes and forms 14. Anthropogenic processes and forms		



	15. The significance of relief processes and forms for the development of various socio-economic activities.																																					
Learning outcomes:	Knowledge: • Analyzes endogenic geomorphological processes and recognizes relief forms created by endogenic processes • Analyzes exogenic geomorphological processes and recognizes relief forms created by exogenic processes Skills: • Applies geomorphological research methods • Utilizes data from relevant institutions and agencies related to endogenic and exogenic geomorphological processes Competencies: • Independently assesses the geomorphological specificities of an area as a result of endogenic and exogenic geomorphological processes • Independently evaluates relief, endogenic and exogenic relief forms.																																					
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><i>Points</i></td></tr><tr><td>Attendance</td><td>5</td></tr><tr><td>Participation on lectures</td><td>5</td></tr><tr><td>Partial exam</td><td>40</td></tr><tr><td>Seminar paper</td><td>10</td></tr><tr><td>Final exam</td><td>40</td></tr><tr><td colspan="2"> </td></tr><tr><td>TOTAL</td><td>100</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>Points</i>	Attendance	5	Participation on lectures	5	Partial exam	40	Seminar paper	10	Final exam	40			TOTAL	100	<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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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



Literature²:

Mandatory:

1. Temimović, E., Korjenić, A., Jahić, H. 2018: Tektonska geomorfologija, Prirodno-matematički fakultet Univerziteta u Sarajevu, Sarajevo.
2. Petrović, D., 1982: Geomorfologija, Beograd.
3. Tandarić, N. 2010: Opća geomorfologija, Zagreb.
4. Marković, M. i dr. 2003: Geomorfologija, Beograd.

Recommended:

1. Đorđević, J., 2004: Tipologija fizičko-geografskih faktora u prostornom planiranju, Beograd.
2. Baraković, A., 2008: Geomorfologija, Tuzla.
3. Huggett, R. 2007: Fundamentals of Geomorphology, Routledge, London-New York.
4. Bognar, A. 1981: Globalna tektonika ploča i reljef Zemlje, Geografski horizont, Zagreb.
5. Bognar, A. 1990: Osobine i zakonomjernosti oblikovanja strukturnog reljefa Zemlje, Geografski horizont, Zagreb.

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.