



UNIVERSITY OF SARAJEVO – FACULTY OF SCIENCE
DEPARTMENT OF GEOGRAPHY

Form SP2

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Subject code: FG-207-4	Subject name: Thematic Mapping		
Cycle: I	Year: I	Semester: I	ECTS credits: 6
Status: <i>Elective</i>		Contact hours: 60 Lectures: 30 Practical classes: 30	
Assigned professors and assistants:	Lecturers and assistants selected for the field to which the course belongs		
Prerequisites:	/		
Subject objectives:	Training students to analyze the elements of content in thematic maps, aesthetic, graphic, metric, and spatial values necessary for mapping, as well as the creation of thematic maps and the assessment of their quality.		
Teaching units:	1. Definition, subject, classification, and tasks of thematic cartography 2. Historical development of thematic cartography 3. Thematic maps and atlases - concept, characteristics, classification, and types 4. Content of thematic maps 5. Cartographic expression tools 6. Points, lines, areas, and colors in thematic mapping 7. Methods of thematic mapping 8. Techniques and tools for thematic mapping (manual, GIS) 9. TEST 1 10. Titles and legends on thematic maps 11. Generalization of thematic maps 12. Design and creation of thematic maps 13. Satellite images / views and interpretation 14. Earth models: globes, virtual 3D spheroid 15. TEST 2		
Learning outcomes:	Knowledge: • Defines and classifies thematic maps • Identifies and interprets the content of thematic maps • Understands the process of thematic mapping Skills: • Applies cartographic expression tools • Applies methods of thematic mapping • Utilizes modern geoinformation technologies in thematic mapping Competencies: • Independently creates spatial models and databases		



	Independently designs and creates thematic maps																					
Teaching methods:	Multimedia presentations and discussions; independent research work by students and joint analyses; interactive and dialogical methods, oral presentation method, practical work, text-based work, audiovisual methods, demonstrations, written and graphic work methods; individual work, group work, pair work.																					
Knowledge testing methods with grading structure ¹ :	Engagement: 20, Tests: 40x2 (80), Total: 100 points. <i>Engagement - Attendance: 5, Participation: 5, Written work: 10</i> Test 1, 2: 40, 22 (55%) / Integrated (T1, T2) 80, 44 (55%) Assessment: <table><tr><th>Grade</th><th>ECTS grade</th><th>Points scale</th></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>	Grade	ECTS grade	Points scale	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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10	(A) excellent	95 - 100																				
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8	(C) good	75 - 84																				
7	(D) satisfactory	66 - 74																				
6	(E) sufficient	55 - 64																				
5	(F, FX) insufficient	<55																				
Literature ² :	1. Frančula, N. 2002.: Digitalna kartografija, 3. prošireno izdanje, Geodetski fakultet, Zagreb 2. Frangeš, S. 2004.: Opća kartografija, Geodetski fakultet, Zagreb 3. Fridl, J., 1999: Metodologija tematske kartografije nacionalnega atlasa Slovenije, Geografija Slovenije 2., Ljubljana 4. Hadner, M., Drozg V., 2016: Osnove tematske kartografije, Univerza v Mariboru, Maribor 5. Ikonović V.: Atlasi: složeni modeli geoprostora. Glasnik Srpskog geografskog društva, sveska LXXXV, broj 2, 2005, str. 133-141 6. Ikonović V.: Metodološki koncepti Kartografije. Glasnik Srpskog geografskog društva, sveska LXXXVII, broj 2, Beograd, 2007, str. 153-164 7. Ikonović V.: Modeli u kartografiji. Zbornik radova Geografskog fakulteta, broj LIV, Beograd, 2006, str. 229-248																					

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.



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SUBJECT DESCRIPTION

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8. Pavišić N., 1976: Osnovi kartografije, Cetinje
9. Perković, D. (2010): Osnove geoinformatike, Rudarsko geološko naftni fakultet, Sveučilište u Zagrebu
10. Robinson, A. H., Morrison, J. L., Muehrcke, P. C., Kimerling, A. J., Gupill, S. C. 1995.: Elements of Cartography, John Wiley&Sons, New York
11. Slukan Altić M., Povijesna kartografija - kartografski izvori u povijesnim znanostima. Izdavačka kuća «Meridijani», Samobor, 2003
12. Articles, presentations, and studies