



UNIVERSITY OF SARAJEVO – FACULTY OF SCIENCE
SUBJECT DESCRIPTION

Form SP2

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Subject code: RPP/119	Subject name: GIS Project Management		
Study cycle: III	Year: I	Semester: I	ECTS credits: 6
Status: Optional		Contact hours: 60 Lectures: 30 Exercises: 30	
Assigned professors and assistants:	Lecturers and assistants selected for the field to which the course belongs		
Prerequisites:	/		
Subject objectives:	- Introduction and acquisition of knowledge for students on the characteristics and attributes of gis projects - Introduction and acquisition of knowledge for students on the process of managing, monitoring, and controlling gis projects		
Teaching units:	1. Attributes and characteristics of GIS projects 2. Project management process 3. Project management and concepts of GIS implementation 4. Roles and responsibilities of GIS project team 5. Project management and lifecycle of development systems 6. Overview of scrum development 7. Resource planning in GIS projects 8. First test 9. Project budget planning 10. Network analysis of environmental elements in GIS environment 11. Cost-benefit analysis in GIS projects 12. Strategies and techniques for developing GIS projects 13. Stakeholders in GIS projects 14. Analysis of project environment 15. Analysis of seminar papers		
Learning outcomes:	Knowledge: • The student identifies and describes the characteristics and attributes of GIS projects • The student interprets the contents of GIS projects Skills: • The student demonstrates the process of creating a GIS project • The student is designing a software framework for the process, which is used to manage the complex development of a GIS project. Competencies:		



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	The student creates a GIS project.														
Teaching methods:	Multimedia presentation and discussion (lecture); independent research work by students, joint analysis, and practical work by students in relevant application software (exercises).														
Knowledge testing methods with grading structure ¹ :	Points <table><tr><td>Oral discourses</td><td>25</td><td>14</td></tr><tr><td>Project tasks</td><td>25</td><td>14</td></tr><tr><td>Final exam (written work)</td><td>50</td><td>27</td></tr><tr><td colspan="2"> </td></tr><tr><td>TOTAL</td><td>100</td><td>55</td></tr></table>	Oral discourses	25	14	Project tasks	25	14	Final exam (written work)	50	27			TOTAL	100	55
	Oral discourses	25	14												
	Project tasks	25	14												
	Final exam (written work)	50	27												
	TOTAL	100	55												
	Assessment:														
	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													
Literature ² :	Mandatory: 1. Albrecht, J., 2018. GIS Project Management. 2. Schwaber K., Sutherland J., 2020. Scrum vodič. Konačni Scrum vodič: Pravila igre. Prijevod na hrvatski jezik. 3. Ahmed, Z.Y., 2021. GIS Project Management. International Journal of Advanced Engineering and Business Sciences, 2(1), pp.11-24. Recommended: 1. Barron,M., Barron,A., 2011. Project management for scientists and engineers. Connexions, Galway.														

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.