



Subject code: RPP-323-2	Subject name: Climate Change and Urban Planning		
Study cycle: I	Year: III	Semester: V	ECTS credits: 6
Status:		Contact hours: 60 Lectures: 30 Practical courses: 30	
Assigned professors and assistants:	Lecturers and assistants selected for the field to which the course belongs		
Prerequisites:	/		
Subject objectives:	The main goal of this course is to provide an overview of what science already knows about future climate changes and their impacts, while societies are attempting to adapt to these changes and reduce the emissions that cause them. It also covers the role of urban planning in relation to climate change, offering both theoretical and practical explanations for the challenges urban planning faces.		
Teaching units:	1. Introductory Considerations 2. Tools for Planning Climate-Smart Cities: A Spatial, Green, and Digital Agreement Approach 3. Climate Change and Urban Nature: Impacts and Policies at the Urban Level 4. Innovative New Market Mechanisms in Mitigation Activities within the Urban Context: A New Paradigm 5. Assessment of Climate Vulnerability and Risks in the City of Sarajevo – Case Study 6. Possible Climate Actions in Cities 7. Global Climate Challenges and Urban Planning 8. Test I 9. Climate-Sensitive Cities 10. Planning the Climate Urban Future 11. Environmental Impact Assessment for Climate Change in Urban Planning 12. Case Study: Randstad 2040 13. Climate Change and Urban Infrastructure 14. The Impact of Climate Change on Water Resources in Urban Areas 15. The Impact of Climate Change on Biodiversity in Urban Areas		
Learning outcomes:	Knowledge: - Understanding the basic mechanisms of climate change in the context of urban spaces and the necessity of applying and		



	respecting modern urban planning principles for climate change; - Comprehending the connection between the theory of climate change and its practical application in urban planning in Bosnia and Herzegovina and the world. Skills: - Assessing and reconsidering the complexity and implementation of possible climate actions in urban spaces and linking them with the social, economic, environmental, and political spatial context. - Using modern communication techniques and tools to illustrate and visualize the impacts of climate change in different urban spatial units. Competencies: - Applying acquired knowledge and skills about climate change in urban planning, as well as in the analysis, synthesis, and practice of planning; - Contextualizing the elements of climate change with different aspects of urban planning, as well as spatial resource concepts and policies in various temporal, cultural, and institutional settings.																					
Teaching methods:	Multimedia presentation and discussion (lecture); independent research work of students and joint analysis (practical courses).																					
Knowledge testing methods with grading structure¹:	Knowledge assessment – criteria: Attendance at lectures and exercises: max 5 – min 3 points Participation in class: max 10 – min 6 points Seminar paper on a selected topic: max 15 – min 8 points Partial tests during the semester: max 30 – min 16 points Final exam at the end of the semester: max 40 – min 22 points Total: 100 points, passing requirement: 55 points Assessment: <table><tr><th><i>Grade</i></th><th><i>ECTS grade</i></th><th><i>Points scale</i></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>	<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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5	(F, FX) insufficient	55																				

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



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SUBJECT DESCRIPTION

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Literature²:

Mandatory:

1. Kim, K., Thioye, M. 2022. Planning Climate Smart and Wise Cities. Springer Nature, Cham.
2. Norman, B. 2023. Urban planning for climate change. Routledge, London.
3. Wilson, E., Piper, J. 2010. Spatial planning and climate change. Routledge, London.
4. Selected spatial planning documents from Bosnia and Herzegovina and European Union countries.

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.