



Subject code: RPP-471-2	Subject name: Transportation Planning		
Study cycle: I	Year: IV	Semester: VIII	ECTS credits: 6
Status: Elective		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:	Getting acquainted with methods of transportation modeling, planning, and evaluation. Developing an understanding of the possibilities for managing transportation infrastructure. Acquiring the skills necessary for managing and directing the transportation system in a specific geographic area. Recognizing the importance and gaining knowledge about corridor planning and local planning.		
Teaching units:	1. Introduction to Transportation Planning. Characteristics of the transportation system and databases. 2. Land use and urban design. Considering the environment in transportation planning. 3. Sources and strategies for financing the transportation system. 4. Transportation requirements and transportation network modeling. 5. Methods of evaluation and prioritization. 6. Transportation infrastructure management. 7. Partial exam. 8. Road planning. 9. Transportation system management and leadership. Planning of parking zones. 10. Transit planning. Planning for pedestrian and bicycle transportation. 11. National transportation planning. 12. Transportation planning in agglomerations. 13. Corridor planning. 14. Local transportation planning. 15. Safety aspects in the transportation planning process. Public participation in transportation planning.		
Learning outcomes:	Knowledge: • Understanding and critically analyzing transportation		



	systems and transportation development strategies. Recognizing the importance of different levels of transportation planning and analytical thinking and connecting planning methods with a specific geographic area. Skills: • Application of transportation planning methods and models at different hierarchical spatial levels; • Calculating and evaluating various geographic data for the purpose of quality and sustainable management and leadership of transportation systems. Competencies: • Evaluating and comparing different transportation spatial planning strategies and models; creating and recommending transportation network modeling in specific geographic areas.																																																
Teaching methods:	Multimedia presentation and discussion (lecture); independent student research and joint analysis (practical courses).																																																
Knowledge testing methods with grading structure¹:	<table><tr><td></td><td><i>Maximum Points</i></td><td><i>Minimum points</i></td></tr><tr><td>Attendance</td><td>5</td><td>3</td></tr><tr><td>Participation on lectures</td><td>5</td><td>3</td></tr><tr><td>Tests</td><td>40</td><td>22</td></tr><tr><td>Seminar paper</td><td>10</td><td>5</td></tr><tr><td>Final exam</td><td>40</td><td>22</td></tr><tr><td colspan="3"> </td></tr><tr><td>TOTAL</td><td>100</td><td>55</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 colspan="3"> </td></tr><tr><td>5</td><td>(F, FX) insufficient</td><td>55</td></tr></table>		<i>Maximum Points</i>	<i>Minimum points</i>	Attendance	5	3	Participation on lectures	5	3	Tests	40	22	Seminar paper	10	5	Final exam	40	22				TOTAL	100	55	<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



UNIVERSITY OF SARAJEVO – FACULTY OF SCIENCE
SUBJECT DESCRIPTION

Form SP2

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Literature²:

Mandatory:

1. Janić, M. 2017. Transport systems: Modelling, Planning and Evaluation. London; CRC Press.
2. Žegarac, Z. 1998. Infrastruktura. Beograd: Geografski fakultet.
3. Bublin, M. 2007. Planiranje saobraćaja i saobraćajnica. Sarajevo: Građevinski fakultet

Supplementary:

1. Meyer, M. 2016. Transportation planning handbook. New York: Wiley

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.