

<b>Study program: Civil Engineering</b>			
<b>Course: Urban Planning</b>			
<b>Professor/assistant: Aleksandra T. Marinković / Nemanja Petrović</b>			
<b>Status of course: compulsory</b>			
<b>ECTS credits: 5</b>			
<b>Pre-requisites: none</b>			
<b>Aims of the course:</b> Preparing the student to: <ul style="list-style-type: none"> <li>- examine and analyze the processes that cause the transformation of modern cities from the morphological, functional and social aspect;</li> <li>- acknowledge current approaches to planning and design of urban environments that result in the creation of sustainable spatial units;</li> <li>- examine and analyze factors that influence the planning of space, with minimal impact on the environment.</li> </ul>			
<b>Learning outcomes:</b> A positive outcome is reflected in developing a student's ability to: <ul style="list-style-type: none"> <li>- indicate the characteristics of settlement planning through historical periods;</li> <li>- recognize the characteristics of spatial organization of urban areas that support sustainability;</li> <li>- identify and implement the elements and techniques of settlement planning, in accordance with the principles of sustainable development;</li> <li>- understand complex urban processes within the spatial-social context; consider mechanisms for improving the built environment and select an appropriate approach to planning and design processes.</li> </ul>			
<b>Syllabus:</b> <i>Theoretical part</i> Characteristics and functions of urban space elements: object, plot, street, block, and city. Planning and project documents. Urbanization. An overview of the historical development of cities. Influence of information society on the development of cities (diverse needs of inhabitants, modern lifestyle, and new materials). Realiz. of the curr. spatial and social needs of inhabit. with min. imp. on the env. The elements of spatial org. of settl. exam. from the aspect of: mutual relations of funct. units; motor and pedestrian traffic flows and street network systems; the structure of residential streets; design and functionality of public areas; connection of the social and spatial struct. of the settl.; affirm. of social capital by the formation of a place of social integration. <i>Practical part</i> Self-preparation of seminar work - examining the possibilities of applying contemporary approaches to urban planning and design, in a specific location with the existing natural and created conditions.			
<b>Literature:</b> <ol style="list-style-type: none"> <li>1. Приручник за урбани дизајн. <i>Програф-Орион</i> Арт, Београд, 2008.</li> <li>2. Џејкобс, Џ. <i>Смрт и живот великих америчких градова</i>. Mediterran Publishing, Нови Сад, 2011.</li> <li>3. Mostafavi, M., Doherty, G. (eds) <i>Ecological Urbanism</i>. Harvard University Graduate School of Design, Lars Mueller Publishers, Baden, 2010.</li> <li>4. Радовић, Р. <i>Форма града</i>. Грађевинска књига, Београд, 2009.</li> </ol>			
<b>Number of active classes</b>			<b>Other forms of teaching:</b>
Lectures: 3	Practical classes: 2	Laboratory classes: 0	
<b>Teaching methods:</b> Lectures. Practical exercises. Consultations. The exam consists of two midterm exams, a seminar paper which represents the Energy Efficiency Study of the given facility and the final exam. Assessment of the exam is based on the attendance to lectures and exercises, points from the colloquium, points at the seminar and the success at the final exam.			
<b>Grading system</b> (maximum 100 points), <b>grading scale</b> from 5 to 10: below 51 points grade 5, grade 6 from 51-60 points, grade 7 from 61-70 points, grade 8 from 71-80 points, grade 9 from 81-90 points, grade 10 from 91-100 points.			
<b>Pre-commitments</b>	<b>points</b>	<b>Final exam</b>	<b>points</b>
activity during lectures	5 + 5	written exam	-
colloquium(s)	20 + 20	oral exam	50
<b>Sum</b>	<b>50</b>	<b>Sum</b>	<b>50</b>