

Course Unit Descriptor

Study Programme: Architecture			
Course Unit Title: Studio 02B – Architectural design – alternative approach			
Course Unit Code: AP05B			
Name of Lecturer(s): Atanacković-Jeličić Jelena, Medić Saša			
Type and Level of Studies: Master			
Course Status (compulsory/elective): elective			
Semester (winter/ summer): summer			
Language of instruction: english			
Mode of course unit delivery (face-to-face/distance learning): face-to-face			
Number of ECTS Allocated: 5			
Prerequisites: none			
<p>Course Aims:</p> <p>The aim of the course is to familiarize students with the technologies that enable the use of modern methodologies in architectural and urban design. Technology here will be applied to the task of creating an architectural space at a given location or virtual</p>			
<p>Learning Outcomes:</p> <p>In this course, students are trained to solve complex, functional and formal problems in the field of architecture and urbanism. Students will be using modern methodologies in the design process to develop analytical thinking and the ability to expand knowledge in solving the complex problems of the built environment. Also students will be familiar with the optimizations and evolutionary systems and potential applications in the design process.</p>			
<p>Syllabus.</p> <p>The application of modern methodologies in architectural and urban design; application of modern techniques and technologies to architectural and urban design; the application adaptable systems to the problems in the field of architecture, urbanism and urban planning-programming, functional, structural aspects. Celular automata, associative method in the method of modeling, bioengineering, robotics in architecture as a form of architectural production</p>			
<p>Required Reading:</p> <p>Relevant literature in English, tbd</p>			
Weekly Contact Hours:2	Lectures: 3	Practical work: 2	
<p>Teaching Methods:</p> <p>Lectures, exercises, consultations, and oral exam</p>			
Knowledge Assessment (maximum of 100 points):			
Pre-exam obligations	points	Final exam	points
Attendance			
Computer exercises			
Tests (4x)			

