

<b>Study Programme: Architecture</b>			
<b>Course Unit Title: Contemporary technologies in architecture</b>			
<b>Course Unit Code: A911</b>			
<b>Name of Lecturer(s): Atanacković-Jeličić Jelena</b>			
<b>Type and Level of Studies: Doctorate</b>			
<b>Course Status (compulsory/elective): elective</b>			
<b>Semester (winter/ summer): summer</b>			
<b>Language of instruction: english</b>			
<b>Mode of course unit delivery (face-to-face/distance learning): face-to-face</b>			
<b>Number of ECTS Allocated: 10</b>			
<b>Prerequisites: none</b>			
<b>Course Aims:</b> Defining the relationship of modern scientific and technological discoveries and architectural theory and practice through a process of materialization of architectural structure and the process of developing the program, the concept of spatial and functional analogy.			
<b>Learning Outcomes:</b> Gaining knowledge about the impact of the discovery of a variety of natural and technological disciplines in the development of architectural theory and practice			
<b>Syllabus.</b> Architecture as a product of human needs and available technologies. History of the development of architecture seen through the prism of science, technology, philosophy. Contemporary moment in architectural theory: a synthesis of science, technology and philosophy as a starting point for exploring new geometries, and new programs and supporting functional processes. Impact on the architecture of the information society: new demands, new ways of living, new materialization meet those needs through technological development, which leads to other geometries. Is the future comprised entirely of curved surfaces? - Dilemmas and challenges of the contemporary moment			
<b>Required Reading:</b> Relevant literature in English, tbd			
<b>Weekly Contact Hours:2</b>		<b>Lectures: 3</b>	
<b>Practical work:</b>			
<b>Teaching Methods:</b> Lectures. Workshops, presentations, and discussions or mentoring. Oral examination.			
<b>Knowledge Assessment (maximum of 100 points):</b>			
<b>Pre-exam obligations</b>	points	<b>Final exam</b>	points
Attendance			
Computer exercises			
Tests (4x)			

