

<b>Study Programme: Architecture</b>			
<b>Course Unit Title: Digital technologies in scientific research in the field of architecture and urbanism</b>			
<b>Course Unit Code: A940</b>			
<b>Name of Lecturer(s): Stojaković Vesna</b>			
<b>Type and Level of Studies: Doctorate</b>			
<b>Course Status (compulsory/elective): elective</b>			
<b>Semester (winter/ summer): winter</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: 5</b>			
<b>Prerequisites: none</b>			
<b>Course Aims:</b> Learn and use digital technologies in scientific research in the field of architecture and urban planning			
<b>Learning Outcomes:</b> Students are expected to analyze problems, examine principles, and develop ideas and strategies for using digital technologies in scientific research in the field of architecture and urban planning.			
<b>Syllabus.</b> Analysis, importance and role of digital technologies in scientific engineering research. Different spatial, design and management levels in architecture and urban planning. The influence of media, theoretical approaches and processes and models and methods on the role of digital technologies in scientific research of architecture and urbanism. Identifying adequate problems. Context and state of current research. Interpretation and deduction of the problem. Adjustment of abstraction to be used in algorithms. Developing a strategy for creating a model. Creating a model. Evaluation			
<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 and discussion or mentoring. Seminar work and oral exam.			
<b>Knowledge Assessment (maximum of 100 points):</b>			
<b>Pre-exam obligations</b>	points	<b>Final exam</b>	points
Attendance			
Computer exercises			
Tests (4x)			

