

Course Unit Descriptor

<b>Study Programme: Architecture</b>			
<b>Course Unit Title: Design Studio 02A - Synthesis</b>			
<b>Course Unit Code: A02ASP</b>			
<b>Name of Lecturer(s): Reba Darko</b>			
<b>Type and Level of Studies: bachelor</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: 7</b>			
<b>Prerequisites: none</b>			
<b>Course Aims:</b> Improving of the ability of students to design urban fragments in which students should, in an appropriate way, to establish relationships with new buildings for which they work architectural projects. Such a relationship should contribute to the formation of quality relationships in modern cities.			
<b>Learning Outcomes:</b> Competence for independent study and research of the principles and standards in architectural and urban design, relationships of open spaces and architectural structures in contemporary cities.			
<b>Syllabus.</b> Developed and advanced principles of urban and architectural design, as well as work on the improved possibilities of contemporary architectural design technology that allow an adequate process of design. Relations and relationships of city structure in line with contemporary needs of architectural and urban spaces, topics such as strategies of planning and design, theoretical models of cities, street systems and urban morphology. Specifics of NURBS modeling of lines and surfaces. Modeling of linear, surface and volume elements. Modeling in Rhinoceros 3D and application in architectural and urban design. Application of the Rhinoceros 3D advantages in the model adjustment for digital fabrication.			
<b>Required Reading:</b> Relevant literature in English, tbd			
<b>Weekly Contact Hours:2</b>		<b>Lectures: 4</b>	<b>Practical work:</b>
<b>Teaching Methods:</b> Lectures, laboratory exercises (elaboration of the project), consultations, written 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)			

