

Study Programme: Architecture			
Course Unit Title: Design Studio 02E - Synthesis			
Course Unit Code: A02ESP			
Name of Lecturer(s): Reba Darko			
Type and Level of Studies: bachelor			
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: 7			
Prerequisites: none			
Course Aims: Development of skills for designing of urban structures adequately coordinated with the objects for which students work on their architectural projects, which should contribute to the quality of the relationships of architecture and open space in cities.			
Learning Outcomes: 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.			
Syllabus. 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.			
Required Reading: Relevant literature in English, tbd			
Weekly Contact Hours:2		Lectures: 4	Practical work:
Teaching Methods: Lectures, laboratory exercises (elaboration of the project), consultations, written and oral exam.			
Knowledge Assessment (maximum of 100 points):			
Pre-exam obligations	points	Final exam	points
Attendance			
Computer exercises			
Tests (4x)			

