

Study Programme: Architecture			
Course Unit Title: Design Studio 01E			
Course Unit Code: A01ESP			
Name of Lecturer(s): Reba Darko, Tepavčević Bojan			
Type and Level of Studies: bachelor			
Course Status (compulsory/elective): elective			
Semester (winter/ summer): winter			
Language of instruction: english			
Mode of course unit delivery (face-to-face/distance learning): face-to-face			
Number of ECTS Allocated: 10			
Prerequisites: none			
Course Aims: Development of skills for designing of architectural designs, complex urban fragments in accordance with the principles of sustainable development and the possibilities of modern design technology.			
Learning Outcomes: Ability for independently investigation and study of valid principles and standards of architectural and urban design, as well as adequate use of modern designer computer programs.			
Syllabus. Basic principles of urban and architectural design, introduction to the capabilities of the contemporary design technologies that allow an adequate process of design. Development of urban structures in accordance with adequate relationship of architecture and urban space, topics such as the concept of architecture and urban design, programs of open city spaces and architectural structures, analysis of urban elements and their relationship with houses. 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: 7	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)			

