Course Unit Descriptor

Study Programme: Architecture
Course Unit Title: Design Studio 03D - Synthesis
Course Unit Code: A03DSP
Name of Lecturer(s): Miškeljin Ivana
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:. Studying contemporary approaches to architectural design of public buildings. Developing the ability to design architectural space of different types of architectural structures, of medium levels of complexity.
Learning Outcomes: Developing the ability of integral understanding of relations between elements in architectural design process. Application of acquired knowledge for further research and professional works.
Syllabus. Understanding the relations between context, architectural program and architectural structure; Studying the relation between structure and construction. Studying the the transition between the interior and exterior space; The study of architectural materials; The development of atmospheric quality of architectural space. Research of the graphic presentation of the idea of an architectural project. Concept of parametric design. Parameter-based modeling. Advantages of parametric modeling. Data stream and strategies for creating a parametric algorithm. Elements determined by parameters and the analysis of the elements. Application of parametric modeling in architecture, urbanism and design.
Required Reading: Relevant literature in English, tbd

Weekly Contact Hours:2	**Lectures: 4**	**Practical work:**

Teaching Methods: Lectures; Practice; Project Design; exam Exercises to be held in computer laboratory.
Knowledge Assessment (maximum of 100 points):

Pre-exam obligations	points	**Final exam**	points
Attendance			
Computer exercises			
Tests (4x)			