Course Unit Descriptor

Study Programme: Architecture
Course Unit Title: Design Studio 01B
Course Unit Code: A01BSP
Name of Lecturer(s): Zeković Miljana, Žugić Višnja
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:. The objective of the course is to introduce students to all elements of the design process of different architectural types from a group of buildings designed for public purposes. Through the development of a conceptual solution for an architectural type, marked with a simple to intermediate level of programmatic complexity, students are introduced to the possibilities of applying various spatial, sustainable and developmental, concepts in design, with their programmatic structures and organizations.
Learning Outcomes: Ability to create and present conceptual architectural solutions for public buildings, marked as a simple to intermediate degree of programmatic complexity. Ability to understand, select and develop an appropriate spatial concept for given architectural types. The ability to develop an appropriate programmatic solution in accordance with the needs of users, contextual determinants and the design platform of a modern city.
Syllabus. Architectural design of public buildings – a problematic introduction. Spatial concepts for the architectural types of public buildings. Development and application of specific spatial concepts to different architectural programmes, locations and contexts. Architectural programme - definition, structure and development in accordance with the overall influences. Selected contemporary architectural practices - analysis and systematization. Contemporary design of buildings created for public usage. 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; design studio work; consultations; work in computer laboratory
Knowledge Assessment (maximum of 100 points):

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