Course Unit Descriptor

Study Programme: Architecture
Course Unit Title: Design Studio 01D
Course Unit Code: A01DSP
Name of Lecturer(s): Žugić Višnja, Zeković Miljana, 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:. Becoming familiar with methods, principles and processes of conceptualising and designing different types of public architectural structures, of the lower to middle level of architectural programme complexity. Understanding the relationships between context, concept, programme, and functions of architecture, with a particular focus on exploring the potentials of the given programmes at the given locations, with their upgrade on theoretical and experimental levels.
Learning Outcomes: Individual and team work ability of conceptualising, developing and realisation of a design concept for an architectural design problem from the domain of public buildings typology; ability to deal with all stages of the process of designing public buildings; ability for critical and creative rethinking and reinterpretation of complex and multi-layered frameworks that determine specific design processes.
Syllabus. Concept in architectural design; Influential forces as generators of a concept in architecture; Levels of exploring the context and its impact on designing public buildings; Morphological, temporal, socio-political and cultural contexts of architectural projects - case studies; Programme in architectural design; Theoretical frameworks and materialisation of utopian, experimental and avant-garde ideas in architecture; Conceptual and unbuilt architectural projects - case studies; Theory of functions in architecture – introduction; 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, Architectural studio work, Work in computer laboratory
Knowledge Assessment (maximum of 100 points):

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