

Study Programme: Architecture			
Course Unit Title: Design Studio 05A - Synthesis			
Course Unit Code: A05ASP			
Name of Lecturer(s): Atanacković-Jeličić Jelena, Kojić Radomir			
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: 10			
Prerequisites: none			
Course Aims: Developing skills in designing of complex architectural structures and urban fragments in accordance to the principles of sustainable development			
Learning Outcomes: Capacity for independent study of the principles and standards in the field of sustainable development and energy efficiency, applicable to architectural and urban design.			
Syllabus. The relationship of demographic and spatial planning. Land use. Market of land for construction and its correlation with the number of floors and planning purposes. The global deficit of agricultural land and its importance. The rapid urbanization process and predicts of the future. Sustainable development and planning of settlements. Application of the principles of sustainable urban development in a given fragment (urban design) and a given architectural project, which preceded with the research of program, volume, amounts. The principles of sustainable development are applied at different spatial levels. Modern technologies and installations of architectural structures			
Required Reading: Relevant literature in English, tbd			
Weekly Contact Hours: 2	Lectures: 7	Practical work:	
Teaching Methods: Lectures, exercises (design of the project), consultations, oral exam			
Knowledge Assessment (maximum of 100 points):			
Pre-exam obligations	points	Final exam	points
Attendance			
Computer exercises			
Tests (4x)			

