

Study Programme: Environmental Engineering And Occupational Safety Engineering			
Course Unit Title: Planning of municipal infrastructure objects			
Course Unit Code: Z417B			
Name of Lecturer(s): Kolaković Srđan			
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: 6			
Prerequisites: none			
Course Aims: Enabling students to acquire theoretical and practical knowledge of procedures and wastewater treatment plants.			
Learning Outcomes: A student should use the acquired knowledge in further studies and other complementary areas, for the purpose of solving various practical problems effectively.			
Syllabus. Introductory definitions (concept of pollution and water protection). Legislation and limits (GHVI) of water pollution. The characteristics of wastewater (physical, chemical and biological). Classification of water (the water I, II, III and IV class). Fundamentals of wastewater treatment processes (mechanical, chemical and biological). Basic methods of sludge treatment and sludge disposal.			
Required Reading: Relevant literature in English, tbd			
Weekly Contact Hours: 2	Lectures: 3	Practical work: 3	
Teaching Methods: Lectures, numerical calculation exercises, seminar papers, consultations. Lectures are combined and performed with students in groups. Lectures present the theoretical part of the curriculum accompanied by the typical examples for the purpose of better understanding of the presented teaching material. Exercises accompanying the lectures are concerned with typical assignments and practical examples. Apart from lectures and exercises, consultations are regularly held. To take the exam, a student must meet the prerequisites: he/she is obliged to regularly attend lectures and exercises and to write a seminar paper.			
Knowledge Assessment (maximum of 100 points):			
Pre-exam obligations	points	Final exam	points
Attendance			
Computer exercises			
Tests (4x)			

