

<b>Study program: Environmental protection</b>				
<b>Type and level of study:</b> Master academic studies				
<b>Course Title:</b> Wastewater Treatment				
<b>Teachers:</b> Mira Pucarević				
<b>Status:</b> Optional subject, II semester				
<b>ECTS:</b> 7				
<b>Prerequisite:</b> None				
<b>The goal of course</b> Wastewater management, introduce students to the types of water pollution and waste water as well as methods for wastewater treatment				
<b>The outcome of the subject</b> After this course students will be able to identify the type of pollution of natural water flows and type of wastewater, as well as processes for wastewater treatment.				
<b>Syllabus</b> <i>Theoretical study</i> -Water in the biosphere, Hydrological cycle, Definition of pollution of natural water flows, Sources and classification of pollutants; Integrated water resources management, The sampling methodology; Specific and nonspecific indicators of the quality of wastewater, Systems for wastewater treatment; Methods of treatment; Procedures and equipment for waste water treatment <i>Practical classes</i> - Exercises with practical examples, sampling, calculating COD and BOD parameters, making plans for wastewater treatment, presentation of papers.				
<b>Literature</b> 1) Љубосављевић Д., Ђукић А., Бабић Б., Пречишћавање отпадних вода, Грађевински факултет, Београд, 2004. 2) Sincero A., G. Sincero: Physical-Chemical Treatment of Water and Wastewater, CRC Press, NY, 2002 3) Metcalf and Eddy Inc.: Wastewater Engineering: Treatment, Disposal and Reuse, McGraw-Hill Inc., Boston, 1991				
<b>Number of lectures:</b>				Other Classes
Lectures: 2	Practices: 2	Other forms of teaching:	Student research work:	
<b>Teaching methods:</b> Lectures, analysis of practical examples and literature, public presentation of seminar papers				
Score (maximum 100 points)				
<b>Pre-commitments</b>	<b>Poens</b>	<b>The final exam</b>	<b>Poens</b>	
Activity during lectures	20	Written exam		
Practical classes	30	Oral examination	30	
Colloquia				
Seminars	20			
<i>Total</i>	70			