

**Table 5.2** Specification of Course

<b>Study Program: Material and Energy Flows Management</b>			
<b>Type and level of study: Master Academic Degree</b>			
<b>Name of Course: ENVIRONMENTAL IMPACT ASSESMENT</b>			
<b>Lecturer: Zita Šereš and Jelena Pavličević</b>			
<b>Status of Course:</b> elective			
<b>Credits (ECTS): 5</b>			
<b>Preconditions:</b> none			
<p><b>Aims of the course</b>                  The great tendency of industrialization and urbanization in developed, as well as in developing countries has an enormous impact on natural and man-made environments. The purpose of this study is to learn how to evaluate the environmental impact assessment of the industrial estate, since the environmental impact assessment (EIA) is one of the important tools employed in contemporary environmental management.</p>			
<p><b>Outcomes/Competences of the Course</b>                  This Course provides students alike with a rigorous grounding in EIA theory, including biophysical, social, strategic and cumulative assessment activities, and examines the crucial role, and limitations, of the science of EIA on the industrial systems. Trough this course, student are trained to solve problems with varied methodological requirements of EIA. The students will be trained to carry on the screening, the monitoring the technological systems with aim to determine the environmental impact of these systems and to realize the potentials hazards on the environment. The students will be trained to use the Reference Documents on Best Available Techniques for different area of the industry and pollution.</p>			
<p><b>Description of the Course Content</b>                  Lectures: The aims and context of environmental impact assessment, The principles of EIA, Methodology, science and EIA, A methodological framework for EIA, Screening and scoping: principles and approaches, Impact identification, Public involvement in EIA, Prediction and monitoring, Evaluation methods, Quality control: reviewing EIAs, Synthesis and conclusions, Determination and analysis of the environmental impacts, Best available techniques, Technological processes and techniques, identification and calculation methods of potential emissions of industrial plant in environment.                  Practice: case study on different industry plants, determination and calculation of different emissions in environment, carry on a study of EIA of different technological systems (from food, chemical, pharmaceutical industry).</p>			
<p><b>Required Readings</b>                  1. Environmental Impact Assessment Methodologies, Y. Anjaneyulu, Valli Manickam, CRC Press, Taylor and Francis Group, 2011.</p>			
<b>Број часова активне наставе</b>			Other hours
Theory: 45	Practice: 30	Other-:	
<p><b>Research work:</b></p>			
<b>Teaching Methods</b> Lectures and students group work			
<b>Grade (maximal number of points: 100)</b>			
<b>Pre-exam duties</b>	<b>Points</b>	<b>Final exaam</b>	<b>Points</b>
Activity during the lectures	10	Oral exam	30
Test I and Test II	20		
Project presentation	10		
Seminar paper	30		