

<b>Study program:</b> Environmental protection			
<b>Type and level of study:</b> Bachelor academic studies			
<b>Course Title:</b> Technological Development Management			
<b>Teachers:</b> Dunja Prokić			
<b>Status:</b> Elective, semester VI			
<b>ECTS:</b> 7			
<b>Prerequisite:</b> None			
<b>The goal of course</b> The goal of Management of technological development course is to introduce students to the impact of technological development on the environment and the principles of management that minimize or completely eliminate the negative impacts on the environment.			
<b>The outcome of the subject</b> Completing the planned program, students will be able to understand the basic principles of technological development which is acceptable in terms of environmental protection, as well as to learn about the implementation of best available technology in various manufacturing processes in order to protect the environment.			
<b>Syllabus</b> <i>Theoretical study</i> – Systemic conflict between the environment and the needs of human civilization; Critical areas of industrial production in terms of environmental protection; Systematic approach to environmental management; Analytical approach to technological production processes; Environmental impact of electricity generation; The effect of a selected group of technological processes on the environment; Manufacturing process technologies in order to protect the environment; Development of technological systems for the protection of environmental media (air, water and land); Solid waste treatment technologies: impact on the environment; Development of technologies for the utilization of renewable energy sources, in order to promote and preserve the environment. <i>Practical classes</i> - The exercises are based on the examples from practice; case studies; presentation of seminar papers.			
Literature 1. Hodolič, J., Badida, M., Mejrnik, M. & Šebo, D. (2005). Mašinstvo u inženjerstvu zaštite životne sredine. Univerzitet u Novom Sadu. Fakultet tehničkih nauka. Novi Sad. 2. Grujić, N. (2010). Uticaj tehnoloških proizvodnih procesa na životnu sredinu. DOSROP. Požarevac. 3. Levi Jakšić, M (2010). Menadžment tehnologije i razvoja. Čigoja štampa. Beograd. 4. Managing Technological Development, Hakan Hakansson, Alexandra Waluszewski, 2004, Routledge Publishing. 5. Managing Technological Development: Lessons from the Newly Industrializing Countries, <u>Carl J. Dahlman</u> , <u>Bruce Clifford Ross-Larson</u> , <u>Larry E. Westphal</u> , World Bank, 1985. (pp 55)			
<b>Number of lectures: 5</b>			Other Classes
Lectures: 3	Practices: 2	Other forms of teaching: Student research work:	
<b>Teaching methods:</b> Lectures, discussions with students, individual and team work, preparation and public defense seminar papers.			
Score (maximum 100 points)			
<b>Pre-commitments</b>	<b>Poens</b>	<b>The final exam</b>	<b>Poens</b>
Activity during lectures	10	Written exam	
Practical classes	10	Oral examination	30
Colloquia	20		
Seminars	30		
<i>Total</i>	70		30