

Study program: Environmental protection			
Type and level of study: Master academic studies			
Course Title: Innovation management			
Teachers: Andrea Okanović			
Status: Elective, 2nd semester			
ECTS: 7			
Prerequisite: None			
The goal of course As a key source of competitiveness, economic growth and development in the field of environment, innovation is not focused solely on economic growth, but rather to environmental protection and sustainable development. Given that the new knowledge (which is created only in the learning process) is the foundation of innovation, one of the goals of this course is to introduce students to the basic concepts and techniques of knowledge management, as well as the process of learning in organizations. Aims of the course are the following: to introduce students to the importance of innovation in the field of environment, learning about the types of innovations, models of innovation process (from idea to innovation), innovation strategies and ways of measuring innovation performance, as well as building competencies necessary for effective innovation management in the field of environment by giving up to date theoretical and practical knowledge in the field of innovation management.			
The outcome of the subject Student has developed a positive attitude towards innovation in the field of environment and is knowledgeable about innovation models and strategies. Student is eligible to effectively manage the development of innovative products and services in the field of environmental protection. Understanding the nature of the innovation process, the student is able to identify the innovation potential within the organization/region, predicting and eliminating barriers to the development and implementation of innovation and maximize the innovation potential in the development of innovations.			
Syllabus <i>Theoretical study</i> - Knowledge as the basis of innovation. The knowledge hierarchy: data, information, knowledge, intelligence and wisdom. Learning and knowledge creation. The process of knowledge management. The role of intellectual capital (intellectual property rights) in innovation management. Models of knowledge management in the field of environment. The theory of innovation. Types of innovation and innovation chains. Innovative organizations (characteristics, structure, culture). Creativity in the innovation development. Innovation models (closed innovation, open innovation, networked innovation). Innovation strategy/ policy. The measurement of innovation performance. National innovation systems. Managing innovation in the field of environment - Case studies. <i>Practical classes</i> - Practical and computer exercises - students in groups search the Internet, solve case studies and present seminars in order to understand the development of innovative products and services in the field of environmental protection and become eligible to manage innovation process.			
Literature Stošić, B. (2007): Innovation management - expert systems, models and methods (in Serbian), Faculty of Organizational Sciences, Beograd. Čabrilo, S. (2012): Knowledge Management (in Serbian), University Educons, Faculty of Business Economy, Sremska Kamenica. Von Stamm, B. (2003): Managing Innovation, Design and Creativity, John Wiley & Sons, Chichester. Trott, P. (2005): „Innovation Management and New Product Development”, Pearson, Essex. Conway S., Steward, F. (2005): „Managing Innovation”, Oxford University Press. K. Matthias Weber, Jens Hemmelskamp (Ed.) (2005): Towards Environmental Innovation Systems, Springer, Berlin. Chesbrough, H.W. (2003): Open Innovation: The New Imperative for Creating and Profiting from Technology, Harvard Business School Press, Boston, MA.			
Number of lectures:			Other Classes
Lectures: 2	Practices: 2	Other forms of teaching:	Student research work:
Teaching methods: Interactive lectures and exercises, discussions, case studies, PPT presentations, seminars, Internet research.			
Score (maximum 100 points)			
Pre-commitments	Poens	The final exam	Poens
Activity during lectures	5	Written exam	
Practical classes	5	Oral examination	30
Colloquia	2x15		
Seminars	30		
<i>Total</i>	70		30