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| <b>Study program:</b> Master academic studies Environmental Risk Management (MASERM)   |                  |                          |               |
| <b>Type and level of studies:</b> Master academic studies, II level of studies   |                  |                          |               |
| <b>Subject name:</b> <b>Hazards and Ecological Disasters</b>   |                  | <b>Subject code</b>      | 6U1HEK        |
| <b>Professor:</b> <a href="#">dr Dušan Mijović, assistant professor</a>  |                  |                          |               |
| <b>Subject status:</b> Elective  |                  |                          |               |
| <b>Number of ECTS:</b> 6   |                  |                          |               |
| <b>Condition:</b> none   |                  |                          |               |
| <b>Subject goal</b><br>An explanation of the concept and outline of the main ecological disasters. Introduction to modern system of ecological security in the context of the sustainability of life and quality of life. Analysis of the integrity of the environment, preventing and responding to threatening processes generated by the environment. Prevention of negative consequences for the environment.  |                  |                          |               |
| <b>Subject outcome</b><br>Ability to monitor, evaluate and address a wide range of security challenges and threats, primarily environmental threats to the political, economic and other implications related to the use of natural resources and various forms of pollution.  |                  |                          |               |
| <b>Subject content</b><br><i>Theoretical classes</i><br>Introduction and analysis of the ecological disasters from the aspect of the division into natural and antropogenic. Analysis of the major individual natural disasters (five mass extinction of wildlife in the history of planet Earth, the largest pieces of meteorites, earthquakes, volcanic eruptions, tsunamis, droughts, floods, pandemics - analysis of concrete examples, the consequences for the human population, the environment, society's response at the time and the correlation with the current potential implications). Possible new anthropogenically generated catastrophe (pandemics, terrorism, financially collapse, interruption of internet communication, the disintegration of the social and economic structure of the functioning of the system), review of the overcrowding and the need for water, food, energy and living space. Modern understanding of global safety and environmental risks and threats. International conferences on specific environmental problems facing the planet Earth. Ecological security - integrated system of risk. Ecological safety-integrated system of danger. Preventing and responding to ecologically generated processes. Strategies and doctrines of ecological security in the EU. The environmental challenges that go beyond classic security challenges. Prevention and rehabilitation of the negative effects of armed conflicts on the environment. The certainty of damaging the environment in wars. Planetary reduction and accelerated distortion of biodiversity. Communication in terms of environmental vulnerability.<br><br><i>Practical classes</i><br>The study of the causes and conditions for the emergence of security challenges and threats, simulation scenarios of the chain of events that lead to consequences (unbalance steady state), study visits and expert organizations for monitoring, study and prevention of environmental accidents in the country. |                  |                          |               |
| <b>Literature</b><br>1. Dr Z. Keković, Dr Ž. Kešetović: <i>Krizni menadžment I, Prevencija krize</i> . Filip Višnjić, Beograd, 2006.<br>2. Group of authors: <i>Environment and Security: Transforming risks and cooperation: The case of Eastern Europe</i> , The Environment and Security initiative(ENVSEC), 2007.<br>3. Boris Vakanjac, Lidija Amidžić, 2012., <i>Prirodni Hazard</i> , skripta, Fakultet za primenjenu ekologiju Futura.<br>4. Nick Bostrom and Milan M. Cirkovic 2008., <i>Global Catastrophic risks</i> , , Oxford press.<br>5. Milašinović R., Milašinović S., <i>Teorija konflikata</i> , Fakultet bezbednosti, Beograd, 2007.  |                  |                          |               |
| <b>Number of active teaching classes</b>   |                  |                          | Other classes |
| Lectures: 2(30)  | Practices: 1(15) | Other class forms: 1(15) |               |
| <b>Teaching methods</b><br>Interactive lectures, presentations and analysis of case studies, discussions on current and contemporary eco-safety schism in the region and the world, the study of methods of risk assessment as well as the risk and the method of calculating risk areas, watching documentaries and comment on them,etc. Audiovisual exercises, seminar paper, oral exam.   |                  |                          |               |
| <b>Knowledge evaluation (maximum number of points is 100)</b>  |                  |                          |               |
| <b>Pre-exam obligations</b>  | <b>points</b>    | <b>Final exam</b>        | <b>points</b> |
| Activity during classes  | 10               | Oral exam                | 50            |
| Practical classes  | 20               |                          |               |
| Seminar paper  | 20               |                          |               |