

Name of the subject: Environmental safety and risks in geospace		
Teacher(s): Tin Lukić , Biljana Basarin , Dragoslav Pavić		
Status of the subject: elective		
Number of ECTS points: 15		
Condition: -		
Goal of the subject: The main goal of the course is to enable students to become acquainted with modern geocological threats that have the potential to disrupt both, security in the traditional meaning and environmental security in the geographical environment.		
Outcome of the subject: Ability to understand and apply theoretical and methodological knowledge in the field of environmental research for the purpose of risk reduction and achievement of ecological safety on local, regional and global scale.		
Content of the subject <i>Theoretical lectures:</i> Environment and safety: the concept, definitions of basic concepts, ecological security, environmental safety. Ecological safety. Time and spatial framework of the environmental safety. Modern environmental problems and the necessity to redefine the notion of environmental safety. Interconnections and connections in the environmental system - ecological safety. Geophysical and geological determinants of ecological safety. Atmosphere and ecological safety. Hydrosphere and ecological safety. Biosphere and ecological safety. Pedosphere and environmental safety. New technologies and environmental safety. Global nature of environmental issues and geopolitical consequences. State of the environment as a determinant of ecological safety and development. Globalization and environmental safety/ Global monitoring of environmental elements and environmental safety. <i>Practical lectures:</i> seminar project, mapping, analytical processing of collected data, and presentation of the results of the seminar paper.		
Recommended literature Ljuština A. (2012): <i>Ekološka bezbednost</i> , Kriminalističko-policijska akademija, Beograd. Raut S., Kumar Sen S. (2017): <i>Environmental engineering and safety</i> , Scientific Publishers, India. Milinčić A.M., Carević I., Jovanović Lj. (2009): <i>Regional co-operation and its importance in prevention of emergencies in water resources domain</i> , Collection of papers, International scientific conference "Civil emergencies", Belgrade, Military book, pp. 319-329. Milinčić M., Đorđević T. (2011): <i>Management of Spring Zones of Surface Water - The Prevention of Ecological Risks on the Example of Serbia and South Eastern Europe</i> , Proceedings of the International scientific conference „Understanding and Managing Threats to the Environment in South Eastern Europe“ (Meško, Dimitrijević & Fields, eds.), NATO Science for Peace and Security Series C: Environmental Security, Springer Netherlands, pp. 225-249. Milinčić M., Dimitrijević D., Đorđević T. (2011): <i>Climate Impacts on Environmental Refugees and Security in South Eastern Europe</i> . <i>Journal of Balkan Ecology</i> 14(3): 243-253.		
Number of active classes	Theory: 5(75)	Practice: 5(75)
Methods of delivering lectures: Oral lectures, individual consultations, seminar papers		
Evaluation of knowledge (maximum number of points 100) Seminar paper 50 points Oral exam 50 points		