

Name of the subject: Risks and natural disasters in the geographical environment		
Teacher(s): Dragoslav Pavić , Tin Lukić		
Status of the subject: elective		
Number of ECTS points: 15		
Condition: -		
Goal of the subject To perfect students' knowledge of the concept of natural catastrophes, causes, widespread, damages/benefits, recovery, protection and predictability of the natural disasters.		
Outcome of the subject Adopted knowledge will provide an objective analysis of different aspects of the disaster, raising awareness among people to reduce the negative impact of disasters and help communities to fight and/or mitigate, and/or prevent catastrophes.		
Content of the subject <i>Theoretical lectures:</i> Historical background. Definitions, classification and distribution of the disaster. Insight and learning about the main groups of disasters according to modern definitions, such as: geophysical, hydrological, meteorological, climatological, biological, astronomical and anthropogenic disasters. Ranking, record, recovery, forecasting and prevention of the catastrophes. <i>Practical lectures:</i> Preparation of the scientific project. Field work.		
Recommended literature <ol style="list-style-type: none"> 1. Abbott, P. (2012): Natural Disasters. (8th Edition), McGraw-Hill, New York: 469 pp. 2. Alcántara-Ayala, I. 2002. Geomorphology, natural hazards, vulnerability and prevention of natural disasters in developing countries. <i>Geomorphology</i> 47. Amsterdam. 3. Challoner, J. (2000): Hurricane and Tornado. Dorling Kindersley. London: 61 pp. 4. EM-DAT: The OFDA/CRED International Disaster Database. Internet: http://www.cred.be/emdat Université Catholique de Louvain. Brussels. 5. Lukić T., Gavrilov, M.B., Marković, S.B., Komac, B., Zorn, M., Mladan, D., Đorđević, J., Milanović, M., Vasiljević, Đ.A., Vujičić, M.D., Kuzmanović, B. and Prentović, R. (2013): Classification of natural disasters between the legislation and application: experience of the Republic of Serbia, <i>Acta geographica Slovenica</i>, 53(1): 149-164. 6. Munich RE-NatCatSERVICE International Disaster Database. Internet: http://www.munichre.com/en/reinsurance/business/nonlife/georisks/natcatservice/default.aspx. Munich Reinsurance Company. Munich 7. Keller, E., and DeVecchio, D. (2012): Natural Hazards: Earth's Processes as Hazards, Disasters, and Catastrophes. (3rd Edition), Prentice Hall, New Jersey: 553 pp. 8. Ochoa, G., Hoffman, J. and Tin, T. (2005): Climate: The Force That Shape Our World - and the Life on Earth. Rodale International Ltd., London: 288 pp. 9. Ruddiman, W. (2005): Plows, Plagues and Petroleum – How Humans Took Control of Climate. Princeton University Press, New Jersey: 272 pp. 10. Rothery, D. (2007): Teach Yourself Volcanoes, Earthquakes and Tsunamis. Teach Yourself Books, London: 1-304 pp. 		
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		