

Study programme: Bachelor with honours in Geography Teaching, Bachelor with honours in Geography, Bachelor Academic Studies n Environmental Protection-Environmental Protection Analyst			
Course title: Global climate change			
Teacher(s): dr Stevan M. Savić			
Status: elective			
ECTS: 6			
Requirements: none			
Learning objectives			
The aim of this course is to provide students with knowledge of climate change on the planet, or changes of meteorological elements and phenomena. To understand the significance of the impact of natural and anthropogenic factors that contribute to climate change, as well as the consequences for society and the entire ecosystem of the planet.			
Learning outcomes			
Acquiring knowledge about the processes of global climate change, methods of studying climate change in the period of instrumental measurements and predictions of climate trends in the future, as well as learning about measures to mitigate effects on society and the environment. Simultaneous, students will gain knowledge that will enable them to build research capacity in forestry studies at a higher level (master's and doctoral programs).			
Syllabus			
<i>Theoretical part:</i>			
Getting acquainted with the term of climate change			
Presentation of the factors that modify climate change process			
Presentation of climatic changes from beginning of instrumental measurements to present days			
Getting to know the possible scenarios of climate change during the XXI century			
The consequences of climate change			
Introducing students to the activities undertaken by man in order to stabilize climate change			
<i>Practical part:</i>			
Familiarization with the basics of creating a database and analysis of data obtained on meteorological stations or directly on the ground. Analysis of meteorological values and description of the results obtained (each student receives a database that analyzes and presents the results).			
Literature			
Ducić, V., Radovanović, M. 2005. Klima Srbije. Zavod za udžbenike i nastavna sredstva, Beograd: 212 str.			
Šegota, T., Filipčić, A. 1996. Klimatologija za geografe. Školska knjiga, Zagreb: 460 pp.			
Unger, J., Savić, S., Gal, T., Milošević, D. 2014. Urban climate and monitoring network system in Central European cities. PMF, Departman za geografiju, turizam i hotelijerstvo, Novi Sad: 101 pp.			
2014. Guideline – On climate change adaptation and risk assessment in the Danube macro-region. Faculty of Sciences, Department of Geography, tourism and hotel management, Novi Sad, 103 pp.			
Frank, A., Ruman, A. 2013. Selection of representative sites for an urban temperature monitoring network in Novi Sad (Serbia) – Micrometeorology study. Dufferin Research Ltd, Novi Sad: 55 pp.			
Houghton, D.D. 2002. Introduction to climate change: Lecture notes for meteorologists. World Meteorological Organization, no. 926, Geneva, Switzerland: 131 pp.			
Houghton, J. 2006. Global Warming – The Complete Briefing. Cambridge University Press, Cambridge: 382 pp.			
Ochoa, G., Hoffman, J., Tin, T. 2005. Climate: The force that shape our World – and the life on Earth. Rodale International Ltd., London: 288 pp			
Weekly teaching load 4 (60)		Lectures 3	Exercises 1
Methods of Teaching			
Frontal lectures using multimedia presentations; Method interview.			
Grading method (maximu 100 points)			
Pre-examination assignments	points	Final examination	points
Activities during lectures	0-5	Written examination	
Activities during exercises	0-5	Oral examination	30-45
Colloquia	20-40	
Seminar paper	0-5		