

Study Program: Physics			
Type and level of studies: Bachelor studies			
Course name: Environmental Physics			
Lecturer: Milosavljević Mijat			
Status: Elective			
ECTS: 7			
Attendance prerequisites:			
Course aims			
Introducing students to the basic elements of the environment, the causes and consequences of pollution, environmental protection and improvement. The course should enable students to acquire the basic knowledge, skills and abilities necessary to solve complex environmental problems they might encounter at work. Getting acquainted with this course material helps students achieve a higher level of organization and efficiency necessary for environmental work.			
Course outcome			
The students have obtained an ecological way of thinking, which will serve as a basis for later development of acting and attitude towards the environment and nature as a whole. The students are able to think critically about the existing problems from the aspect of environmental protection.			
Course content			
<i>Theoretical part</i>			
Basic concepts and principles of ecology (definitions, significance, tasks), pollution and animal protection environment, soil pollution and protection, water pollution and protection, air pollution and protection, radioactive pollution and protection, noise and noise protection, mineral exploitation of raw materials and environmental protection.			
<i>Practical part</i>			
Experimental exercises.			
Literature			
<ol style="list-style-type: none"> 1. Иво Савић, В. Терезија, 2002: Екологија и заштита животне средине, Завод за уџбенике и наставна средства, Београд 2. Д. Марковић, Ш. Ђармати, И. Гржетић, Д. Веселиновић, 1996: Физичкохемијски основи заштите животне средине, Књига ИИ, Извори загађивања, Последице и заштита, Универзитет у Београду. 3. Д. Ђурић, Љ. Петровић, 1996: Загађивање животне средине и здравље човека, Веларта, Београд. 4. Рагајац Р., ет ал., 2004: Екологија и заштита животне средине. Завод за уџбенике и наставна средства, Београд. 5. М.Јаблановић, П.Јакшић, К.Косановић, 2003: Увод у екотоксикологију, Универзитет у Приштини, Природно-математички факултет, Косовска Митровица 6. Mason, P. Hughes: Introduction to Environmental Physics, Taylor & Francis Inc, New York, 2001 			
Number of active classes			Other classes
Lectures: 2	Practical classes: 2	Other forms of teaching:	
Teaching methods			
Lectures (2 classes per week during the semester), laboratory exercises (2 classes per week) during the semester.			
Assessment (maximum 100 points)			
Course assignments	points	Final exam	Points
Lectures	10	written exam	30
Laboratory exercises	20	oral exam	40
		
Total	30		70