

Course title: Environmental Protection

Course Basic Information	
Academic Unit:	Faculty of Civil Engineering
Course Name:	Environmental Protection
Level:	Bachelor
Course Status:	Elective
Year of Study:	1nd year, 2rd semester
Number of Hours per Week:	2+0
ECTS Credits:	3
Time /Venue:	According to the time table.
Course Teacher:	Dr. Anjeza ALAJ Murati
Contact Details:	anjeza.alajmurati@uni-pr.edu www.fn.uni-pr.edu
Course Description	
	<p>-The notion of environment and environmental components: air, water, soil, their pollution; biodiversity and its endangerment;</p> <p>- Threats and pressures: urbanization, noise, waste and chemicals, recycling; ecological dimension.</p> <p>- Human activity: energy, transport, industry, agriculture, forests and tourism; national parks, care for them.</p> <p>- Global challenges: climate change, ozone depletion, acidification, effect on material values and human health.</p> <p>Elements of urban-city ecology as an ecosystem.</p> <p>General measures for the protection of the environment during the planning of cities, settlements, their parts and accompanying infrastructure, natural climatic criteria, urban-design, etc.</p>
Course Objectives:	
	<p>The curriculum of the course "Environmental protection" aims to:</p> <p>- Deepen the theoretical knowledge of students about the causes of the contemporary ecological crisis</p> <p>-provide for all students the chance to gain knowledge, skills, understandings, values and attitudes to protect and improve the living environment</p> <p>- enable them to apply in practice the principles of urban ecology in human settlements (city as an ecosystem), Kosovo environmental legislation and international conventions on biodiversity, climate change, etc.</p> <p>-create new models of individual behavior towards the environment, not to attack it and to take an active part in solving environmental problems at the local, regional and wider level ("think globally, act locally")</p>
Learning Outcomes:	
	<p>-Collects and processes relevant scientific data from various sources on current environmental problems at the local and global level</p> <p>-explains the human-environment relationship (rural, urban, industrial), enumerates the causes of the environmental crisis and applies measures for environmental protection.</p>

	<p>- apply the principles of urban ecology in human settlements (city as ecosystem). Ecological problem noise and biological diversity, the effects of the modern lamp "FULL CUT-OFF" and the old lamp "NON CUT-OFF" in light pollution</p> <p>-applies measures for environmental protection during the design, reconstruction, use of space and tools. (natural-climatic criteria, technological production, urban design) etc.</p>		
Student Workload (Consistent with the Learning Outcomes)			
Activity	Hours	Day/ Week	Total
Lectures	2	15	30
Theory/ Lab Work	1	15	15
Practical Work			
Contact Hours with Teacher /Consultations during Office Hours	1	5	5
Field Work			
Colloquium, Seminars			
Homework	1	15	15
Self-study Time (in the Library or at Home)	1	5	5
Final Exam Preparation	1	5	5
Evaluations (Tests, Quiz, Final exam)			
Projects, Presentations, etc.			
Total			75
Teaching Methodology:	<p>Teaching methodology; Traditional lectures, student-centered interactive learning, group work, discussion, debates, etc. To illustrate and reinforce the facts and concepts, he will choose visual materials, such as slides, pictures, CDs on endangering biodiversity in Kosovo, internet resources, study schemes and field observation-excursion.</p>		
Evaluation Methods:	<p>1.Tradicional: The exam is given orally in agreement with the professor. Prerequisite to take the exam: regular attendance at lectures, submission of seminar paper, signature of the subject in the index by the teacher.</p> <p>2. Bolonja: The oral exam can be replaced by passing two written intermediate tests for one semester. After the second intermediate test, the list of students who have won the right to receive the grade in the index is compiled and the deserved grade is proposed, taking into account other commitments. Students who are satisfied with the proposed grade, submit the exam and according to the schedule announced by the Faculty for this subject is written the grade in</p>		

	<p>the index. Dissatisfied students undergo traditional oral reassessment, test or their combination.</p> <p>Percentage of points in the evaluation: First evaluation 35% Second evaluation 40% Other engagements 20%: seminar work, participation in the excursion (water treatment plant, KEK, etc.), engagement in solving mathematical tasks related to indoor and outdoor pollution (toxic gases, tobacco, detergents, waste, diseased buildings syndrome, etc.). Regular attendance 5%: regular attendance at lectures, respecting the schedule, interaction and activity, etc.</p>
Basic Literature:	<ol style="list-style-type: none"> 1. D.A.Rozhaja,M.Jablanovic: Ndotja dhe mbrojtja e ambientit jetësor, Prishtinë 2. F. Halili, A. Gashi dhe H. Ibrahimimi (2007): Ekologjia e mjediseve të ndotura . Finaced by WUS-Austria 3. Grup autorësh...dhe Halili, F.(2010). “Paketa e Gjelbër – Green Pack”. Përmbajtje nga fusha e edukimit mjedisor dhe zhvillimi i qëndrueshëm. Ne te mund te keni qasje edhe nga interneti: Google,fetah_halili, PDF,GP handbook.First pagesKS. 4. F.Halili, Ekologjia patologjike me praktikum ekotoksikologjik,dispensë,2006. .Raport i gjendjes se natyres ne Kosove, 2006-2007. MASHT,Prishtine, 2008.
Additional Literature:	<ol style="list-style-type: none"> 1. Environment from Land-Based Activities. 2004. http://www.gpa.unep.org/about/#tag10 (accessed January, 2004). 2. 2.2002. National Air Toxic Assessment. http://www.epa.gov/ttn/atw/nata/ (accessed 28 December 2002). 3. Plain English Guide to the Clean Air Act. http://www.epa.gov/oar/oaqps/peg_caa/pegcaain.html index (accessed July, 2002) 4. 2002. Water Quality Criteria, Microbial (Pathogen). http://www.epa.gov/waterscience/humanhealth/microbial/microbial.html (accessed April, 2003). 5. 2003. Drinking Water Source Assessment. http://www.epa.gov/ogwdw/protect/assessment.html (accessed April, 2003). 6. 2003. Groundwater and Drinking Water, List of Drinking Water Contaminants and MCLs. http://www.epa.gov/safewater/mcl.html#mcls (accessed May, 2003). 7. Ohio EPA. 1998. A Guide to Safe Management of Household HazardousWaste. http://www.epa.state.oh.us/pic/facts/hhw.html (accessed December, 2002).
Course Plan:	
Week	Title of the Lecture

Week 1:	<i>Introduction, basic information related to environmental protection</i>
Week 2:	<i>The notion of environment - components of the environment, biodiversity and its endangerment</i>
Week 3:	<i>Water quality and sustainability</i>
Week 4:	<i>Watersheds and rivers, wastewater, storms, leaks, financing and infrastructure sustainability</i>
Week 5:	<i>Development of technology / economy and its impact on the environment - ecological dimension</i>
Week 6:	<i>Human impact on the environment and care for it</i>
Week 7:	<i>Global change - their impact on the environment and human health</i>
Week 8:	<i>Environmental Biotechnology</i>
Week 9:	<i>Urban Ecology and Ecosystem</i>
Week 10:	<i>Community, Ecology and Sustainable Development</i>
Week 11:	<i>Pollution and community impact indoor air issues, air quality, research and data emissions, greenhouse gases</i>
Week 12:	<i>Chemicals and Toxics</i>
Week 13:	<i>Presentation of homework, discussion</i>
Week 14:	<i>Research methods, modeling, data and tools</i>
Week 15:	<i>Greener living: eco-constructions, sustainable energy, etc.</i>

Academic Policies and Rules of Civility:

Rules of conduct:

Regular attendance during lectures and exercises is compulsory,

Following up general faculty ruling and peace,

Turning of mobile phones during classes,

Entering in to the classroom on time,

The student has no right to be absent more than 3 class hours during the semester without justification.

Preparation and conducting the case studies in line with theoretical knowledge and presentation the findings in class. Students who have prepared and presented during the classes and pass the exam complete the subject duties and will be granted with passing grade.