

Course title: General ecology

Course Basic Information	
Academic Unit:	Faculty of Civil Engineering
Course title:	General Ecology
Level:	Bachelor
Course Status:	Elective
Year of Study:	III (third year)/6 (sixth semester)
Number of Classes per Week:	2+0
ECTS Credits:	3
Time /Location:	Tuesday and Wednesday, time: 10-12, FMNS
Teacher:	Prof. Ass. Dr. Bekim Gashi
Contact Details:	bekim.gashi@uni-pr.edu ; +386 49 600 850
Course Description:	<p>This introduction to ecology covers population, community and ecosystem level ecology of plants and animals. It focuses on the interactions of organisms with each other and with their abiotic environment. In ecology nearly everything depends on other things, i.e., the presence or absence of other organisms or whether it was a wet or dry year, etc. This makes it very difficult to consider facts in isolation, and this class will focus on understanding the interconnections among different concepts and facts. Although the class focuses on basic ecology, we will often consider the relationships between basic ecological science and current environmental problems. Global warming and their impact on living organisms. Pollution, pollutants and their effects in environment. Air pollution: source, level of pollutants in atmosphere and health problems. Soil and water pollution.</p>
Course Goals:	<p>The goals of this course are to understudying the basic facts of population, community and ecosystem level ecology, and the role of different components of biosphere.</p>
Expected Learning Outcomes:	<p>After completing this course, the students will be able to:</p> <ul style="list-style-type: none">• Know the basic facts of population, community and ecosystem level ecology.• Be able to clearly and concisely speak about and write about the major concepts in ecology.• Recognize the interconnections among the major concepts of ecology.• Be able to design an ecological study that addresses relevant questions, carry out the study using the appropriate equipment, and interpret and present

	<p>your study to your peers.</p> <ul style="list-style-type: none"> Investigate how the ecological concepts you learn in class relate to current environmental problems. Apply practical skills in solving problems in ecology.
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Student Workload (should be in compliance with student's Learnign Outcomes)

Activity	Activity	Activity	Activity
Lectures	2	15 week	30
Theory/ Lab Work/Exercises	/	/	/
Practical Work	/	/	/
Consultations with the teaher	1	5 week	5
Field Work	/	/	/
Test, seminar paper	1	2 week	2
Homework	/	/	/
Self-study (library or home)	1	5 week	5
Preparation for final exam	1	5 week	5
Assessment time (test, quiz, final exam)	3	1 week	3
Projects, presentations, etc.	/	/	/
Total			50

Teaching Methods:	Lectures, practical exercises, discussions, quizzes, commentaries, teamwork, etc. ..
Assessment Methods:	The first evaluation (exam) 15% Seminars or other commitments 10% Regular attendance 5% Final Exam 70% Total 100%

Primary Literature:	<ol style="list-style-type: none"> Ekologjia: Niko Peja and Laura Qorlaze (red.) Botuar, Tiranë: SHBLU, 1999. Mjedisi jetësor dhe zhvillimi i qëndrueshëm: Ibrahim Ramadani, Libri Shkollor, Prishtinë, 2017.
Additional Literature:	<ul style="list-style-type: none"> Ecology: Concepts and applications. Manuel C. Molles Jr. University of New Mexico, 2005.

Designed teaching plan

Week	Title of the Lecture
Week 1:	Introduction to Ecology.
Week 2:	Ecology and Evolution.
Week 3:	Populations of Plants and Animals.
Week 4:	Population growth.
Week 5:	Competition.
Week 6:	Nutrient Cycling.
Week 7:	Energy Flow.
Week 8:	Ecosystems classification.
Week 9:	First evaluation or exam.

Week 10:	Conservation Ecology.
Week 11:	Ecosfere.
Week 12:	Biodiversity.
Week 13:	Global warming.
Week 14:	Air pollution.
Week 15:	Water and soil pollution. Second test or exam.

Academic Policies and Code of Conduct

Regular attendance of students in classes is desirable but in the exercises is mandatory. Compliance with the schedule of lectures and exercises is mandatory. During the lectures and exercises the use of cell phones are not allowed.