



UNIVERSITY "ISMAIL QEMALI" VLOR  
FACULTY OF TECHNICAL AND NATURAL SCIENCES  
DEPARTMENT OF BIOLOGY

APPROVED  
Head of the Biology Department

Dr. Aurora Bakaj

COURSE PROGRAM BIO 475 BIODIVERSITY

<b>SUBJECT:</b>	Biodiversity
<b>Head/Teacher of the course:</b>	Mariola Ismailaj
<b>Charge:</b>	2 hours of lecture / 2 hours of seminar / 2 days of practice
<b>Subject typology:</b>	Discipline of integrative / interdisciplinary subjects
<b>Academic year/semester when it takes place:</b>	2022-2023/ Fall 2022
<b>Subject type:</b>	By Choice
<b>Study program:</b>	Master of Science in Environmental Biology
<b>Credits:</b>	6 credits
<b>Subject code:</b>	BIO 475
<b>E-mail address of the holder/pedagogue:</b>	<a href="mailto:mariola.ismailaj@univlora.edu.al">mariola.ismailaj@univlora.edu.al</a>

**SUMMARY AND LEARNING OUTCOMES:**

In this course, students will gain knowledge about biodiversity, levels of organization, ways of evaluating it. They will learn about biodiversity losses, causes and interventions in populations, the role of humans in biodiversity change, protected areas, quantitative assessments, etc.

**BASIC CONCEPTS:**

- 1 *Familiarity with the concept of biodiversity*
- 2 *Biodiversity levels*
- 3 *Methods of concrete assessment of biodiversity*
- 4 *The reasons for the loss of biodiversity*
- 5 *In situ and ex situ protection measures of biodiversity*

**COURSE TOPICS:**

**Topics to be covered in the lectures:**

- Topic 1** Biodiversity and its ecological importance
- Topic 2** Biodiversity, life and its evolution
- Topic 3** Biodiversity, data and its measurement, diversity indices
- Topic 4** Biodiversity concept and levels of its organization
- Topic 5** Genetic diversity
- Topic 6** Species diversity

- Topic 7** Diversity of ecosystems
- Topic 8** Biodiversity and protected areas
- Topic 9** Forest biodiversity and ecological importance
- Topic 10** Urban biodiversity and ecological importance
- Topic 11** Biodiversity, threats and the risk of extinction
- Topic 12** Biodiversity and its conservation. Biodiversity and bioethics
- Topic 13** Biodiversity, laws and conventions. Biodiversity and sustainable development.

**Topics to be covered in the seminars:**

- Topic 1** Biodiversity and its ecological importance
- Topic 2** Biodiversity, life and its evolution
- Topic 3** Biodiversity, data and its measurement, diversity indices
- Topic 4** Biodiversity concept and levels of its organization
- Topic 5** Genetic diversity
- Topic 6** Species diversity
- Topic 7** Diversity of ecosystems
- Topic 8** Biodiversity and protected areas
- Topic 9** Forest biodiversity and ecological importance
- Topic 10** Urban biodiversity and ecological importance
- Topic 11** Biodiversity, threats and the risk of extinction
- Topic 12** Biodiversity and its conservation. Biodiversity and bioethics
- Topic 13** Biodiversity, laws and conventions. Biodiversity and sustainable development

**Practically on the ground**

**First day:** Visit to Narta Lagoon

**Second day:** Visitor Center, near the Regional Agency for the Management of Protected Areas Vlora.

**FORM OF KNOWLEDGE CONTROL**

control	Percentage rating
Annual assessment seminars, course assignments	20%
Final check	80%

MARKS	0-40	41-50	51-60	61-70	71-80	81-90	91-100
Grading	4	5	6	7	8	9	10

**EVALUATION AND ATTENDANCE:**

The grading is based on the conversion of the total grade into %, grade 5-10 progressively 40-100%. The student, who results in less than 75% attendance during the course of the semester, will not be included in the final exam, as he will be evaluated with M (Absent).

If the student has attended the course, but does not appear in the next exam, he is assessed NP (Did Not Appear).

**COURSE FORMAT:**

The course will be evaluated on the basis of the annual evaluation and the final exam. Points earned will be cumulative. Exams will not be repeated for any reason. If you miss the final exam without a valid reason, then you will lose points for the exam you missed.

**COMMUNICATION:**

Homework exercises, course assignments and any other announcements will be given in class or at the official address of the "Ismail Qemali" University of Vlora on the Internet: [www.univlora.edu.al](http://www.univlora.edu.al) or at the e-mail address of the lecturer [mariola.ismailaj@univlora.edu.al](mailto:mariola.ismailaj@univlora.edu.al)

**Email:** It is the duty of every student to check e-mail regularly. There will be tasks and notifications will be given only via e-mail.

**HONESTY CODE:**

Group work is not allowed for homework, as it is individual. At the same time, copying in exams is not allowed, which is punishable.

**LITERATURE**

**a) Basic literature:**

University and undergraduate text "Biodiversity"  
UBT, Velesin Peculi; Albert Kopali  
Series of lectures: Hajdar Kicaj

**b) Recommended literature:**

Stanner D. & Bourdeau Ph (ed.), 1995: Europe's Environment.  
European Environmental Agency.  
Ferrari C., 2001: Biodiversity' from analysis to management,  
Zanichelli

**FINAL REMARKS FROM THE SUBJECT TEACHER**

Students are also encouraged to work in groups for the homework exercises. Copying from one another in exams, coursework, homework, etc. is not allowed. Violation of this rule will be accompanied by punitive measures up to expulsion from the university.

The use of mobile phones and smoking in the auditorium is not allowed.

**Lecturer**

**MSc. Mariola Ismailaj**