



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

APPROVED
Head of the Biology Department
Dr. Aurora BAKAJ

COURSE PROGRAM BIO 378 Ethology

SUBJECT:	Ethology
Head/Teacher of the subject:	PhD. Ina Nasto
Charge:	2 readings / 1 sem
Subject typology:	Of the characteristic formation of the program
Academic year/semester when it takes place:	Year III Semester II / Spring 2022
Subject type:	Mandatory
Study program:	Bachelor
Credits:	4 Credits
Subject code:	BIO 378
E-mail address of the holder/pedagogue:	ina.nasto@yahoo.com / ina.nasto@univlora.edu.al

summary AND LEARNING OUTCOMES:

Ethology is the science that studies the mechanisms of behavior of the animal world. The objectives of this course are to describe some of the main mechanisms of the animal world, to show the ways of their occurrence, their classification and comparison with analogous behaviors in human society. During the development of the subject of Ethology, the student must become familiar with the basic concepts of the subject, and be able to recognize some types of behavior, and also look for these types of behavior in different animals according to their description in different literature.

BASIC CONCEPTS:

- 1 The concept of behavior and its mechanisms
- 2 Classification of behavior
- 3 Patterns of behavior for different species, and how it appears.
- 4 Learning theory and its evolution.

COURSE TOPICS:

Topics to be covered in the lectures:

- Topic 1** Introduction to ethology. Ethology as a science. History of ethological studies.
- Topic 2** Interpretation of behavior. Interpretation of behavior. Organization of behavior. Social organization. Types of behavior.
- Topic 3** Animals and the outside world. Incentives. Threshold energy. The state of the conflict and its resolution. Genetic basis of behavior.
- Topic 4** Genetic factors determining behavior. Behavioral genes. The action of natural selection on behavior.

- Topic 5** The theory of epigenesis. Physiological basis of behavior. Nerve cells. The development of snq in the animal world.
- Topic 6** Hormonal regulation of behavior. Sensibility and perception in organisms.
- Topic 7** Orientation through other senses. Orientation of migratory organisms.
- Topic 8** Reproductive behavior. Male competitive strategy.
- Topic 9** Women's response strategy. Marriage rituals. Errors in reproductive behavior.
- Topic 10** Parental behavior. Parental behaviors toward others' young. Harming or killing the young.
- Topic 11** Intelligence and use of work tools. Comparative aspects of intelligence and the brain.
- Topic 12** The study of intelligence. Understanding and thinking in animals.
- Topic 13** Decision-making mechanisms in animals. Motivational competition. Optimization in decision making.
- Topic 14** Issues in the organism and behavior of primates. The evolution of primates. Evolutionary strategies of life in primates
- Topic 15** Mating in primates. Social structure.

Topics to be covered in the seminars:

- Topic 1** Introduction to ethology. Interpretation of behavior. Organization of behavior. Social organization
- Topic 2** Types of behavior
- Topic 3** Genetic basis of behavior
- Topic 4** The theory of epigenesis. Environmental influence and modifications of gene expression
- Topic 5** Physiological basis of behavior
- Topic 6** Sensitivity and perception in organisms
- Topic 7** Reproductive behavior. The role and function of reproductive behaviors. Searching behaviors for the sexual partner
- Topic 8** Competitive strategy of men, selective strategy of women.
- Topic 9** Marriage rituals. Parental behavior.
- Topic 10** Intelligence and use of work tools
- Topic 11** The use of working tools in animals. Understanding and thinking in animals
- Topic 12** Decision-making mechanisms in animals
- Topic 13** Issues in the organism and behavior of primates. The evolution of primates. Evolutionary strategies of life in primates
- Topic 14** Presentation of course assignments
- Topic 15** Presentation of course assignments

FORM OF KNOWLEDGE CONTROL

control		Percentage assessment
Control I		30%
Annual assessment	Attendance	5%

Seminars	workshops	5%
Final check		60%

ATTENDANCE:

The student, who results in less than 75% attendance for the period that belongs to each partial exam, the period for which he will be tested, will not be included in the relevant exam, will be evaluated with M.

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 subject will be evaluated on the basis of two partial exams, assignments and the final exam. Points earned will be cumulative. The exams will not be repeated, for any reason. If you miss an exam without any major reason, then you will lose points for that exam that you did not appear for.

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 or at the lecturer's email address ina.nasto@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:

Students are encouraged to work in groups for the exercises and tasks that are given to them. Copying from one another in exams, course assignments, homework, etc. is not allowed. Violation of this rule will be accompanied by punitive measures up to the expulsion of the student from the university.

LITERATURE

a) Mandatory basic literature:

M Candle. , 2004: Ethology. FSHN, UT. Tirana

b) Recommended literature:

Icock J.: Ethology. An evolutionary approach. Zanichelli

Houpt - Il Comportamento degli animali domestici – ed italiana a cura di Marina Verga EMSI Rome

Martin P., Bateson P., (2009). La measurement del comportamento. An introductory guide.

FINAL REMARKS FROM THE SUBJECT TEACHER

Homework exercises, coursework and any other notices will be given in class.

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.

SUBJECT TEACHER

Dr. Ina Nasto

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