

## MODULE DESCRIPTION

### General

School	Geotechnical Sciences
Department	Forest and Natural Environment Sciences

### Module Information

Title	Ecology of Animal Behavior
Course Code	Opt.38
Level of Studies	Undergraduate
Teaching Period	Winter Term
Attendance Type	Elective Compulsory
Prerequisites	Wildlife Biology

Orientation	Weekly Hours		Year	Semester	ECTS
	Lectures	Laboratory work			
ECOLOGY AND BIODIVERSITY CONSERVATION	2	1	5	9	3

### Faculty Instructor

LIORDOS VASILIOS

### Type of Module

- General Foundation
- Specific Foundation / Core
- Knowledge Deepening / Consolidation

### Mode of Delivery

- Face to face
- Distance learning

### Digital Module availability

- E-Study Guide
- Departments Website
- E-Learning

### Language

	Teaching	Examination
Greek	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
English	<input type="checkbox"/>	<input type="checkbox"/>

## Erasmus

- The course is offered to exchange programme students

## Learning Outcomes

Upon successful completion of the course, students should be able to design and apply studies and to evaluate and analyze animal behavior related issues. In particular, they will have to:

- Have a general knowledge and understanding of the behavior of animal species of Greece.
- Know how to prepare synthetic studies that comprehensively analyze the several aspects concerning animal behavior related issues, taking into account the specific local characteristics and the various environmental, ecological and anthropogenic factors possibly affecting them.
- Be capable of reviewing relevant Greek and international scientific literature, so to formulate informed views and judgements on animal behavior related issues.
- Know how to communicate information, ideas, issues and answers to both expert and non-expert audience.
- Have developed the knowledge acquisition skills necessary for further studies.

## List of General Competences

- Apply knowledge in practice
- Work autonomously
- Work in teams
- Work in an international context
- Work in an interdisciplinary team
- Respect natural environment
- Advance free, creative and causative thinking

## Module Content (Syllabus)

Natural Selection, Ecology and Behaviour. Testing Hypotheses in Behavioural Ecology. Economic Decisions and the Individual. Predators versus Prey: Evolutionary Arms Races. Competing for Resources. Living in Groups. Sexual Selection, Sperm Competition and Sexual Conflict. Parental Care and Family Conflicts. Mating Systems. Sex Allocation. Social Behaviours: Altruism to Spite. Cooperation. Altruism and Conflict in the Social Insects. Communication and Signals.

## Educational Material Types

- Book
- Notes
- Slide presentations
- Video lectures
- Multimedia
- Interactive exercises
- Other:

## Use of Information and Communication Technologies

- Use of ICT in Course Teaching
- Use of ICT in Laboratory Teaching
- Use of ICT in Communication with Students
- Use of ICT in Student Assessment

## Module Organization

Please fill in the workload of each course activity

Course Activity	Workload (hours)
Lectures	26
Laboratory work	13
Field Trip/Short Individual Assignments	20
Independent Study	16
<b>Total</b>	75

\* 1 ECTS unit corresponds to 25 hours of workload

## Student Assessment Methods

- Written Exam with Multiple Choice Questions
- Written Exam with Short Answer Questions
- Written Exam with Extended Answer Questions
- Written Assignment
- Report
- Oral Exams
- Laboratory Assignment

## Suggested Bibliography (Eudoxus and additional bibliography)

---Davies N. B., Krebs J. R., West S. A. 2014. Introduction to Behavioral Ecology. Parisianos  
---Methodology textbooks available at the department's library  
---All relevant text books and journals available at the department's library and online