

## MODULE DESCRIPTION

### General

School	Geotechnical Sciences
Department	Forest and Natural Environment Sciences

### Module Information

Title	Wildlife Ecology And Management
Course Code	G.Y.2
Level of Studies	Undergraduate
Teaching Period	Winter Term
Attendance Type	Compulsory
Prerequisites	Wildlife Biology

Orientation	Weekly Hours		Year	Semester	ECTS
	Lectures	Laboratory work			
ECOLOGY AND BIODIVERSITY CONSERVATION	2	3	4	7	6

### 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 analyse wildlife ecology and management related issues. In particular, they will have to:

- Have a general knowledge and understanding of wildlife ecology and management issues in Greece.
- Know how to prepare synthetic studies that comprehensively analyze the several aspects concerning the management of a wildlife species in shortage or abundance, 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 wildlife ecology and management 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)

Spatial and temporal change of biotic communities. Wildlife habitat resource availability, requirements and management. Spatial distribution, daily and seasonal movements, migration. Mating systems and reproductive rate. Mortality types. Density-dependent and density-independent reproduction and mortality. History, aims and objectives of wildlife management. Decision-making and management errors. Wildlife populations. Methods for measuring abundance, growth rates, reproduction, mortality, distribution, feeding habits, genetic structure. Research design and sampling techniques. Wildlife communities. Diversity and relative abundance. Protection and conservation of threatened species. Minimum Viable Population. Population Viability Analysis. Game Management. Maximum Sustainable Yield. Pest control techniques. Biodiversity conservation. Management of animal communities. Protected areas: establishment criteria and threats. Wildlife habitat reclamation, improvement and conservation.

## 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	39
Field Trip/Short Individual Assignments	45
Independent Study	40
<b>Total</b>	150

\* 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)

--- Bakaloudis DE, Vlachos CG. 2009. Wildlife Management. Theory and Practice. Tziolas, Athens

--- Methodology textbooks available at the department's library

--- All relevant text books and journals available at the department's library and online

