

KM151 – WILDLIFE BIOLOGY

1. GENERAL

SCHOOL	School of Economics and Business		
DEPARTMENT	Department of Economics (Volos)		
LEVEL	<i>Undergraduate</i>		
CODE	KM151	STUDENT SEMESTER	1th
COURSE TITLE	Wildlife Biology		
ACTIVITIES		WEEKLY HRS	ECTS
	Lectures and Workshops	2	6
	Laboratory	1	
TYPE OF COURSE	Mandatory curriculum course		
PREREQUISITES:	none		
LANGUAGE TEACHING AND EXAMINATION:	Greek		
THE COURSE OFFERED TO STUDENTS ERASMUS	No		
WEBPAGES COURSE (URL)	https://eclass.uth.gr/courses/FWSD_U_105/		

2. LEARNING OUTCOMES

Learning Outcomes
<p>The aim of the course is to introduce students to the biology, ecology, physiology and identification of various species of wild fauna (such as birds, mammals, fresh water fish, reptiles and amphibians), as well as their respective habitats. It will also cover the main diseases they suffer from and the relationships wild fauna has with humanity. At the end of the course, students will be capable of :</p> <ul style="list-style-type: none"> • Identifying a large number of the species of wild fauna found in Greece (such as birds, mammals, fresh water fish, reptiles and amphibians). • Describing and interpreting the relationships that develop between animals, their habitats and humanity. • Comprehending and explaining the importance that animals have in maintaining an ecological balance. <p>Carrying out wildlife surveys that are necessary for conducting specialized studies.</p>
General Skills
<ul style="list-style-type: none"> • Ability to search, analyse and compile data and information, while using any essential technology • Adaptation to new situations • Teamwork • Decision making • Demonstrate social skills, professionalism and ethical responsibility

- Work in an interdisciplinary environment
- Respect the natural environment
- Promote open minded, creative and deductive thinking.
- Development of new innovative research ideas

3. COURSE CONTENT

Lectures description :

Ecology, physiology and identification of species of wild fauna (such as birds, mammals, fresh water fish, reptiles and amphibians). Evolutionary history, systematics, genetics, dietary biology, reproductive biology, population ecology and habits of wildlife species. Habitats of wildlife species. Wildlife and humanity. Diseases of wildlife.

Workshops description:

Identification of wildlife species, using and familiarization with field instruments and equipment, as well as techniques for: identifying, observing and monitoring, capturing and ringing-tagging of wild fauna, estimating age and sex of birds, wildlife population censuses, anatomy, dietary habits etc.

4. TEACHING AND LEARNING METHODS - EVALUATION

DELIVERY METHOD	Applying a combination of educational methods and techniques with the purpose of reinforcing a more active participation from students in the class and aiming to maximise productivity in teaching through personal one to one communication: Contributions (in amphitheatre), supplemented through real examples, questions – answers and discussions	
USE OF INFORMATION AND COMMUNICATION TECHNOLOGIES	<ul style="list-style-type: none"> • Use of computers, PowerPoint presentations ppt, projector, short videos. • Use of the electronic platform e-class to support the educational process 	
MANAGEMENT OF TEACHING	Activity	Semester Workload
	Lectures	26
	Studio workshops	13
	Homework assignments	50
	Individual and work study for term assignment	61
	Course Total	150
STUDENT EVALUATION	<p>Formative and comprehensive procedures of evaluation are applied</p> <p>Course evaluation is conducted in two phases: A) Mid-semester (around the 6th with 7th week written examination (student participation is not mandatory), it will consist of questions that require the students to elaborate in their answer. B) At the end of the semester (after the completion of the 13th class of the curriculum) an examination is carried out based on the Department's examination schedule, this is the final examination for the course and it will also consist of questions that require the students to elaborate in their answers, they</p>	

will also be tested on their identification capabilities for common birds, mammals, amphibians and reptiles.

5. RECOMMENDED-BIBLIOGRAPHY

Συγγράμματα στον ΕΥΔΟΞΟ

- Παπαγεωργίου Ν. 1990. Βιολογία Άγριας Πανίδας. University Studio Press. Σελ. 357. (Κωδ. ΕΥΔΟΞΟΣ: 17598)

- Μπακαλούδης Δ. 2009. Βιολογία Άγριας Πανίδας. Γιαχούδης. Σελ. 414. (Κωδ. ΕΥΔΟΞΟΣ: 8912)

Συγγράμματα εκτός ΕΥΔΟΞΟΥ

- Pettingill, O. S., W. J. Breckenridge, 1985. *Ornithology in Laboratory and Field*. Academic Press. P.p. 404.

- Brooke, M. and T. Birkhead. 1991. *The Cambridge Encyclopedia of Ornithology*. Cambridge University Press. Pp. 362.

- W. J., Sutherland. 1998. *Ecological Census Techniques, a Handbook*. Cambridge University Press. P.p. 336.

- Γκούτνερ, Β. 2008. *Ορνιθολογία*. University Studio Press. Σελ. 338.

- Feldhamer, G., L. Drickamer, S. Vessey, J. Merritt, and C. Krajewski. 2008. *Mammalogy: Adaptation, Diversity, Ecology 3rd Edition*

- Vaughan, T., J. Ryan, and N.Czaplewski. 2014. *Mammalogy. 6th ed.* Jones & Bartlett, Burlington, Massachusetts

- Παφίλης Π. , Βαλάκος Σ. 2012. *Αμφίβια και ερπετά της Ελλάδας. Εκδόσεις Πατάκη. Σελίδες: 197. ISBN: 9789601625492*

- Barbieri R., Zogaris S., Kalogianni E., Stoumboudi M., Chatzinikolaou Y., Giakoumi S., Karakos Y., Kommatas D., Koutsikos N., Tachos V., Vardakas L. & Economou A.N. 2015. *Freshwater Fishes and Lampreys of Greece: Anannotated checklist. Monographs on Marine Sciences No. 8. Hellenic Center for Marine Research: Athens, Greece. P 96. ISBN: 978-960-9798-06-8*

- Craig J. 2016. *Freshwater Fisheries Ecology. Eds John Wiley & Sons, Ltd. ISBN:9781118394427*