COURSE OUTLINE

(1) GENERAL

SCHOOL	School of Technology		
ACADEMIC UNIT	Department of Environmental Sciences		
LEVEL OF STUDIES	Undergraduate		
COURSE CODE	**AY203**	**SEMESTER**	**2nd**
COURSE TITLE	**ZOOLOGY**		
INDEPENDENT TEACHING ACTIVITIES	**WEEKLY TEACHING HOURS**		**CREDITS**
Teaching Hours	4		4
COURSE TYPE	General background		
PREREQUISITE COURSES	None		
LANGUAGE OF INSTRUCTION and EXAMINATIONS	Greek		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No		
COURSE WEBSITE (URL)	https://eclass.uth.gr/courses/ENV_U_185		

(2) LEARNING OUTCOMES

Learning outcomes

Zoology aims to introduce students to the basic principles governing the physiology, anatomy, and evolution of animal organisms, as well as their classification and diversity. Additionally, a key objective of the course is to familiarize students with the main groups of animal organisms and their properties, and how they function within their ecosystems, with particular reference to the fauna of Greece. Upon successful completion of the course, students will be able to:

- Understand the levels of organization of animal organisms, from cells, tissues, organs to organ systems.
- Exhibit knowledge of animal classification, phylogeny, and body organization.
- Describe and understand basic topics of morphology, anatomy, and taxonomy of invertebrates and vertebrates, in relation to their evolutionary history, and phylogenetic relationships in the animal kingdom.
- Recognize and compare the diversity of the animal world and become sensitized through this knowledge.
- Comprehend the characteristics of invertebrate and vertebrate groups and identify representative species.

General Competences

- Search for, analysis and synthesis of data and information, with the use of the necessary technology
- Decision-making
- Working independently
- Respect for the natural environment
- Production of free, creative and inductive thinking

(3) SYLLABUS

- Introduction. Cells, tissues, organ systems, organism systems.
- Classification, phylogeny, and organization of the animal body.
- Sponges.
- Flatworms, Roundworms.
- Insects, Arachnids.
- Crustaceans.
- Insects.
- Fish.
- Amphibians, Reptiles.
- Birds, Mammals.

- Adaptation to Greek ecosystems.
- Fauna Management.
- Conservation, Protection, Threats

(4) TEACHING and LEARNING METHODS – EVALUATION

DELIVERY	Face-to-face
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY	• Use of PowerPoint slides • View material in video • Communication with students via e-mail • Use of asynchronous distance learning (e-class)
TEACHING METHODS	***Activity*** / ***Semester workload*** Lectures: 52 Seminars: 48 **Course total (25 hours workload per credit)**: **100**
STUDENT PERFORMANCE EVALUATION	Students' performance is evaluated in the Greek language. The final grade is determined by a written exam, at the end of the semester, applying one or more of the following evaluation methods: Multiple-choice questions and/or short-answer questions. **Final Grade = 100% Exam Grade**

(5) ATTACHED BIBLIOGRAPHY

- Hickman Cleveland P., Kats Lee., Keen Susan L., Roberts Larry S., Larson Allan, Eisenhour David J. (1/2020) *Animal Diversity - Basic Principles of Zoology with Laboratory Guide*. Nicosia: Broken Hill Publishers Ltd. (in Greek)
- Miller, Stephen A. (1/2018) *Zoology*. Nicosia: Broken Hill Publishers Ltd. (in Greek)
- Pafilis, Panagiotis (ed) (1/2020) *The Fauna of Greece - Biology and Management of Wildlife*. Nicosia: Broken Hill Publishers Ltd. (in Greek)