COURSE OUTLINE

(1) GENERAL

SCHOOL	ANIMAL BIOSCIENCES		
ACADEMIC UNIT	DEPARTMENT OF ANIMAL SCIENCE		
LEVEL OF STUDIES	Undergraduate [Required]		
COURSE CODE	XXXX	**SEMESTER**	9th
COURSE TITLE	DIPLOMA DISSERTATION – PART I		

INDEPENDENT TEACHING ACTIVITIES *if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits*	**WEEKLY TEACHING HOURS**	**CREDITS (ECTS)**
Study Topic Preparation, Literature Review		10
Total		**10**
Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).		

COURSE TYPE *general background, special background, specialised general knowledge, skills development*	Required course for specialization and skills development
PREREQUISITE COURSES:	-
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek
IS THE COURSE OFFERED TO ERASMUS STUDENTS:	-
COURSE WEBSITE (URL):	https://zp.aua.gr/degree-study-2/

(2) LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- *Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area*
- *Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B*
- *Guidelines for writing Learning Outcomes*

The Diploma Dissertation constitutes an independent, scientific, and systematic approach to the analysis of a specific topic and the development of a well-founded solution, based on existing literature and/or research. It may be of a research-based, analytical, developmental, or applied scientific nature and is undertaken individually by each student.
Under the guidance of a faculty supervisor, students are given the opportunity to gain significant experience through the in-depth study and exploration of a specialized subject. They are expected to develop competencies in critical and integrative thinking, as well as in organization and analysis, by applying a rigorous, systematic, and scientific methodology. The aim of the thesis is to consolidate the students' knowledge and to strengthen their ability to independently address specific topics within the field of Animal Science. It represents the culmination of the student's academic journey and serves as the final step toward becoming a scientist and integrating into the labor market and society at large.

Upon completion of the first part of the Undergraduate Thesis (Thesis – Part I), the student will be able:
At the Knowledge Level:

• To conduct an in-depth investigation of a specific subject area using the knowledge acquired during their studies.
• To clearly identify the boundaries of the problem to be addressed and to comprehensively recognize both the primary and secondary aspects, focusing on the most essential elements for its resolution.
• To describe and document the fundamental knowledge related to the research topic under study.
• To summarize the existing scientific knowledge and expertise on the subject.

At the Skills Level:

• To critically and synthesize available literature pertaining to a specific thematic area.

At the Competencies Level:

To integrate into research teams and adapt to the requirements of the group.

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

Search for, analysis and synthesis of data and information, with the use of the necessary technology	*Project planning and management*
Adapting to new situations	*Respect for difference and multiculturalism*
Decision-making	*Respect for the natural environment*
Working independently	*Showing social, professional and ethical responsibility and sensitivity to gender issues*
Team work	*Criticism and self-criticism*
Working in an international environment	*Production of free, creative and inductive thinking*
Working in an interdisciplinary environment	*.....*
Production of new research ideas	*Others...*
	.....

• Searching, analyzing, and synthesizing data and information, utilizing the necessary technologies
• Adapting to new situations
• Decision-making
• Independent work
• Working in interdisciplinary environments
• Generating new research ideas
• Project planning and management
• Demonstrating social, professional, and ethical responsibility
• Exercising critical thinking and self-reflection
• Promoting free, creative, and inductive thinking

(3) SYLLABUS

The completion of the dissertation – Part I corresponds to the 9th semester of the Undergraduate Study Program.
The purpose of the thesis is to address issues by solving, at both theoretical and applied (implementation) levels, one or more problems within the sciences and technologies related to the Department's field of study or those of other University Departments, as well as to implement a technology or idea. This process provides the student with an opportunity to synthesize and apply the knowledge acquired during their studies.

Diploma Dissertations may be categorized as follows:
I. Literature-based: Focused on developing a new theoretical model, extending an existing one, or critically reviewing the international literature.
II. Experimental: Concentrated on acquiring, combining, shaping, and utilizing existing scientific, technological, business, and related knowledge and skills, aiming at the development of new or improved products, processes, or services within the Department's fields or other University Departments.
III. Technical-economic: Focused on developing business plans by integrating technical/theoretical and economic knowledge or proposals for significantly improving existing products, processes, or services.

(4) TEACHING and LEARNING METHODS - EVALUATION

TEACHING METHOD *Face-to-face, Distance learning, etc.*	Face-to-face communication between the student and the supervising faculty member. In-person execution in research laboratories. Remote study and implementation. Teleconferences.

USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY *Use of ICT in teaching, laboratory education, communication with students*	• Use of computers, PowerPoint slides, and projectors • Use of specialized software for simulation, design, programming, statistical analysis, or digital processing, depending on the requirements of the topic • Use of the e-class platform for posting topics • Use of teleconferencing platforms for meetings with the supervising professor
TEACHING METHODS *The manner and methods of teaching are described in detail.* *Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.* *The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS*	
STUDENT PERFORMANCE EVALUATION *Description of the evaluation procedure* *Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other* *Specifically-defined evaluation criteria are given, and if and where they are accessible to students.*	In the first part of the undergraduate thesis, the student prepares a documentation report, which is evaluated by the Supervising Professor. The student proceeds to the next stage of the thesis (implementation) following a positive recommendation from the Supervising Professor.

Activity	***Semester workload***
Study and Analysis of Literature	150
Analysis, design, programming, documentation, and evaluation of the subject of the study	100
Course total (25 h of workload per ECTS)	***250***

(5) ATTACHED BIBLIOGRAPHY

- Proposed literature for theory:

https://zp.aua.gr/wp-content/uploads/2020/09/8%CE%B1.- %CE%9F%CE%94%CE%97%CE%93%CE%9F%CE%A3-%CE%A3%CE%A5%CE%93%CE%93%CE%A1%CE%91%CE%A6%CE%97%CE%A3-%CE%A0%CE%A4%CE%A5%CE%A7%CE%99%CE%91%CE%9A%CE%A9%CE%9D-%CE%9C%CE%95%CE%A4%CE%91%CE%A0%CE%A4%CE%A5%CE%A7%CE%99%CE%91%CE% 9A%CE%A9%CE%9D-%CE%9C%CE%95%CE%9B%CE%95%CE%A4%CE%A9%CE%9D.pdf

Other literature: Depending on the supervisor.