

COURSE OUTLINE

DIPLOMA THESIS II

(1) GENERAL

SCHOOL	NATURAL SCIENCES		
ACADEMIC UNIT	BIOLOGY		
LEVEL OF STUDIES	UNDERGRADUATE		
COURSE CODE	BIO_HE03	SEMESTER	8 th
COURSE TITLE	DIPLOMA THESIS II		
INDEPENDENT TEACHING ACTIVITIES <i>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</i>		WEEKLY TEACHING HOURS	CREDITS
Experimental project		12	12
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Special background		
PREREQUISITE COURSES:			
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	Yes (English)		
COURSE WEBSITE (URL)	http://www.biology.upatras.gr/		

(2) LEARNING OUTCOMES

<p>Learning outcomes <i>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.</i></p> <p><i>Consult Appendix A</i></p> <ul style="list-style-type: none"> • <i>Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area</i> • <i>Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B</i> • <i>Guidelines for writing Learning Outcomes</i>
<p>Upon Diploma Thesis completion, the students should be able to:</p> <ol style="list-style-type: none"> 1. Design experiments related to the subject of their Diploma Thesis, 2. Carry out the relevant experiments successfully, 3. Interpret results from experimental data and draw conclusions, 4. Study and manage the relevant international bibliography, and 5. Organize, write and present the subject of their Diploma Thesis.

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
Decision-making
Working independently
Team work
Working in an international environment
Working in an interdisciplinary environment

Project planning and management
Respect for difference and multiculturalism
Respect for the natural environment
Showing social, professional and ethical responsibility and sensitivity to gender issues
Criticism and self-criticism
Production of free, creative and inductive thinking
.....
Others...
.....

Adapting to new situations

Working independently

Team work

Generating new research ideas

Project planning and management

Promoting free, creative and inductive thinking

(3) SYLLABUS

The Diploma Thesis (DT) is an elective course that lasts two semesters (7th and 8th). When selected by the student, it is considered as a compulsory elective course. The supervisor of the DT is a member of the teaching staff of one of the three Divisions of the Department of Biology, in which the thesis is carried out. The supervisor of the DT may also be a Faculty member of another Department, who has been instructed to teach a course of the Department of Biology Curriculum. Upon completion of the experimental project, the students are expected to write and submit their thesis. Following the public presentation of the thesis, the student is examined by a three-member Examination Committee.

(4) TEACHING and LEARNING METHODS - EVALUATION

<p>DELIVERY <i>Face-to-face, Distance learning, etc.</i></p>		
<p>USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i></p>		
<p>TEACHING METHODS <i>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.</i></p> <p><i>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</i></p>	<p>Activity</p>	<p>Semester workload</p>
	<p>Experimental project. Upon completion, the students are expected to write and submit their thesis. Following the public presentation of the thesis, the student is examined by a three-member Examination Committee.</p>	
	<p>Course total</p>	<p>300</p>
<p>STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i></p> <p><i>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</i></p> <p><i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i></p>	<p>Evaluation of the student's performance in the laboratory.</p> <p>Evaluation of the written thesis, in which the results are presented and discussed.</p> <p>Public presentation of the thesis, and examination of the student by a three-member Examination Committee.</p>	

(5) ATTACHED BIBLIOGRAPHY

- *Suggested bibliography:*

- *Related academic journals:*