The Impact of Environmental Stresses on the Mediterranean Plants

SCHOOL	NATURAL SCIENCES		
ACADEMIC UNIT	BIOLOGY		
LEVEL OF STUDIES	POSTGRADUATE		
COURSE CODE	**GBIO_OKYB2**	**SEMESTER**	2nd
COURSE TITLE	**The Impact of Environmental Stresses on the Mediterranean Plants**		
INDEPENDENT TEACHING ACTIVITIES	**WEEKLY TEACHING HOURS**		**CREDITS**
Lectures, Laboratory Exercises	13		10
COURSE TYPE	1) Specialised general knowledge, 2) skills development.		
PREREQUISITE COURSES	NO		
LANGUAGE OF INSTRUCTION and EXAMINATIONS	Greek		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	NO		
URL	https://eclass.upatras.gr/courses/BIO219/		

Learning outcomes

At the end of the course the student is expected to have assimilated (1) the basic functional adaptations of plants to the stresses of the Mediterranean climate, (2) the main environmental stressors and methods for their assessment, (3) the effects of climate change on the Mediterranean plants. In addition, upon the course completion he / she will be able to analyze and present a research topic of the course subjects as well as to design a research project for its approach.

General Competences

At the end of the lesson, the *degree-holder* will have developed the following General Skills:

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

Teaching and Learning methods-Evaluation

DELIVERY	In person	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY	(1) Use of computers and special software during the course by the instructors and the students. (2) Support of educational procedure with use of the e-class electronic platform.	
TEACHING METHODS	**Activity**	**Semester workload**
	Lectures	39
	Independent study and analysis of bibliography	100
	Study, preparation, presentation of independent project	111
	Course total (25 hours per one ECT)	**250**
STUDENT PERFORMANCE EVALUATION	Evaluation language: Greek Methods of evaluation: - written examination with multiple choice questions - oral examination of individual work Grading scale: 1-10. Passing grade: 5 Grading: 3 corresponds to ECTS grade F. Grade 4 corresponds to ECTS grade FX. Passing grades correspond to ECTS grades as follows: 5=E, 6=D, 7=C, 8=B, 9=A	

Attached bibliography

- Plant stress physiology G. Karabourniotis, G. Liakopoulos, D. Nikolopoulos. *Embryo Press, 2016 (in greek)*
- Plant Growth and Climate Change James I. L. Morison, Michael D. Morecroft. *Willey 2008*
- *Selected research papers*