

COURSE OUTLINE

1. GENERAL

SCHOOL	AGRICULTURAL SCIENCES		
ACADEMIC UNIT	ANIMAL PRODUCTION, FISHERIES & AQUACULTURE		
LEVEL OF STUDIES	UNDERGRADUATE		
COURSE CODE	AS_3000	SEMESTER	9 th or 10 th
COURSE TITLE	FISHERIES OCEANOGRAPHY		
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
(the credits are awarded for the whole course)		2	3
<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:	OCEANOGRAPHY FISHERIES RESOURCES AND TECHNOLOGY		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek. Teaching may be performed in English in case of foreign students		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	YES		
COURSE WEBSITE (URL)			

2. LEARNING OUTCOMES

<p>Learning outcomes</p> <p><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>
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- Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B
- Guidelines for writing Learning Outcomes

By the end of this course the student will be able to:

- Integrate the spatio-temporal changes in abiotic and biotic factors in relation to fish ecology and fisheries exploitation.

Integrate the large-scale oceanographic changes with fisheries resources variability.

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

Respect for difference and multiculturalism

Adapting to new situations

Respect for the natural environment

Decision-making

Showing social, professional and ethical responsibility and sensitivity to gender issues

Working independently

Team work

Criticism and self-criticism

Working in an international environment

Production of free, creative and inductive thinking

Working in an interdisciplinary environment

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Production of new research ideas

Others...

Search for, analysis and synthesis of data and information, with the use of the necessary technology

Team work

Criticism and self-criticism

Respect for the natural environment

3. SYLLABUS

Lectures

1. Fisheries Oceanography: Historic evolution and results.
2. Introduction in oceanography. Hydrological structure.
3. Water masses and hydrological structure in Mediterranean.
4. Hydrological structure and impacts in planktonic organisms.
5. Interaction on hydrological structure and small-pelagic fish species.
6. Interaction on hydrological structure and large-pelagic fish species.
7. Interaction on hydrological structure and benthopelagic fish species.
8. Modern techniques of fish stock biomass estimation.
9. Interaction of fisheries, climatic and abiotic factors in large spatio-temporal basis.
10. Response of fisheries resources and sustainability in climatic changes.
11. Impact of climatic changes in local scale.
12. Management of experimental fisheries and abiotic data.
13. Revision.

4. TEACHING and LEARNING METHODS - EVALUATION

<p>DELIVERY <i>Face-to-face, Distance learning, etc.</i></p>	Face to face	
<p>USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i></p>	<ul style="list-style-type: none"> • Use of ICT (powerpoint) in teaching • Use of ICT (powerpoint) in laboratory exercises • Use of ICT in Student Communication (Learning Support through the e-class platform) 	
<p>TEACHING METHODS</p> <p><i>The manner and methods of teaching are described in detail.</i></p> <p><i>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>
	Lectures	26
	Study and analysis of bibliography	13
	Individual assignment	20
	Private study time of the students for the lab preparation and final examination	16
	Course total	75
<p>STUDENT PERFORMANCE EVALUATION</p> <p><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>Greek language is used. For foreign students (e.g. Erasmus students) it can be done in English</p> <p>1. Written final examination (A) 2. Individual assignment (B)</p> <p><i>Each case is graded on a scale of 0-10</i></p> <p>Final grade (FG): FG = 0.7A + 0.3B</p> <p><i>Minimum passing grade: 5 (Grade: 0-10)</i></p>	

5. ATTACHED BIBLIOGRAPHY

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