COASTAL AND MARINE BIOLOGY AND ECOLOGY (LM51)

(Lecce - Università degli Studi)

Teaching PELAGOS BIOLOGY (ZOOPLANKTON AND NEKTON)

GenCod A003934

Owner professor Genuario BELMONTE

Teaching in italian PELAGOS BIOLOGY (ZOOPLANKTON AND NEKTON)

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SSD code BIO/05

Reference course COASTAL AND MARINE BIOLOGY AND ECOLOGY

Course type Laurea Magistrale

Credits 8.0

Teaching hours Front activity hours: 66.0

For enrolled in 2019/2020

Taught in 2019/2020

Course year 1

Language ENGLISH

Curriculum PERCORSO COMUNE

Location Lecce

Semester Second Semester

Exam type Oral

Assessment Final grade

Course timetable https://easyroom.unisalento.it/Orario

BRIEF COURSE DESCRIPTION	the adaptations of life to the marine pelagic environment: plankton , neuston , necton. life cycles and connection with benthos. rafting and benthos in the pelagos. resting stages and connection between far times. swimming behaviour, and breath hold in mammalians; communication in the dark and bioluminescence; feeding and migration behavior among the common species of economy importance.
REQUIREMENTS	no
COURSE AIMS	the student will perceive the complexity of the open sea environment, and will experience the problems linked to its study
TEACHING METHODOLOGY	frontal lessons; and exercises for collection of samples in the open sea, and their analysis in the lab.
ASSESSMENT TYPE	two steps: one questionnaire (81 questions) with a triple choice answers for each question. 1 point per each valid answer; - 0.5 per each wrong answer. total time 75 minutes. the score has to pass 42 points (corresponding to 18/30) because the test is considered as valid. the maximum score (corresponding to 30/30) is gained with more than 71 points. the second step is a ppt oral presentation of a subject coming from the program (and freely chosen by each student). total time 15 minutes. the student has to gain more than 18/30 to consider his examination as valid. the total score of the examination will derive from the average of the scores given to the two different steps

FULL SYLLABUS	presentation of the course, and of the research activities of the teacher. biodiversity, species richness in the water. systematic of the principal pelago-marine taxa. life cycles of marine pelagic taxa and evolutionary theory of trochaea. plankton in confined coastal areas. methods for collecting and studying zooplankton. the zooplankton and necton of the coconet cruises. the life at edge of water: neuston and hyperbenthos. plastics circulation in the oceans. the sheltered biodiversity: 1 resting stages and interruption of existence. 2 the pelagic life in submarine caves. 3 the pelagic life in the deep dark and bioluminescence. other behavioral features of the pelagos: swimming, breath hold diving, migrations. principles of chronobiology. biogeography and geology of the oceans. the Mediterranean sea. pelagic fish and fishery. cetaceans.
REFERENCE TEXT BOOKS	slides of the lessons; research articles; O.LARINK & W.WESTHEIDE, 2011. COASTAL PLANKTON. VERLAG, 2° EDITION, MUNCHEN, D. 192 PP.