

# COASTAL AND MARINE BIOLOGY AND ECOLOGY (LM51R)

(Lecce - Università degli Studi)

## Teaching PELAGOS BIOLOGY (ZOOPLANKTON AND NEKTON)

GenCod A003934

**Owner professor** Genuario BELMONTE

**Teaching in italian** PELAGOS BIOLOGY (ZOOPLANKTON AND NEKTON)

**Teaching** PELAGOS BIOLOGY (ZOOPLANKTON AND NEKTON)

**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** 2025/2026

**Taught in** 2025/2026

**Course year** 1

**Language** ENGLISH

**Curriculum** Curriculum Marine Biology and Ecology

**Location** Lecce

**Semester** Second Semester

**Exam type** Oral

**Assessment** Final grade

**Course timetable**

<https://easyroom.unisalento.it/Orario>

### BRIEF COURSE DESCRIPTION

PRESENTATION of the teacher, the laboratories, the instrumentation, JOB/THESIS POSSIBILITY. PELAGOS ZONIZATION, Terminology , Oceano-geography and large water circulation. Oceanography and Physical geography of the Mediterranean Sea. Mediterranean Fauna. PLANKTON terminology and conceptual grouping. Species richness and species abundance. Life cycles and the trochaea theory. Life styles and feeding habitus. PELAGOS IN CONFINED ENVIRONMENTS. Techniques and methods. Lagoon/bays, principal distributional and adaptive rules. Meroplankton and Benthic Pelagic Coupling. Cysts and Resurrection Ecology. PELAGOS IN THE OPEN SEA. Neuston. Rafting and species circulation, Swimming behavior, Migration (vertical and horizontal) Cetaceans and other lunged animals. PELAGOS IN THE DEEP. Submarine caves, Hyperbenthos, Bioluminescence, open sea fishery.

### REQUIREMENTS

no requirements

### COURSE AIMS

acquisition of basis in taxonomy, diversity, and life cycles strategy, to upgrade biological knowledge for the comprehension of pelagic system functioning

### TEACHING METHODOLOGY

frontal lessons (7 cfu), practical excercitations (1 cfu)

---

## ASSESSMENT TYPE

Examination

(2 steps)

A) 81 questions (questionnaire) with triple choice (answers).

Time, 75 min.

Minimum score to pass the examination = 42 points (18/30); >71 points (30/30);

+ 1 point = 1 correct answer; - 1 point = 2 non correct answers

B) Oral presentation (time 15 min), ppt file, on a subject from the program (minimum score to pass the examination = 18; maximum 30)

The final score will be the average of the two sub-scores

---

## REFERENCE TEXT BOOKS

O.LARINK & W.WESTHEIDE, 2011. COASTAL PLANKTON. VERLAG, 2° EDITION, MUNCHEN, D. 192 PP.

Lessons,

Research articles