COASTAL AND MARINE BIOLOGY AND ECOLOGY (LM51)

(Lecce - Università degli Studi)

Insegnamento MARINE BIOLOGY

GenCod A005724

Docente titolare SERGIO ROSSI

Insegnamento MARINE BIOLOGY

Anno di corso 1

Insegnamento in inglese MARINE BIOLOGY

Lingua

Settore disciplinare BIO/05

Percorso Curriculum Marine Biology and Ecology

Corso di studi di riferimento COASTAL AND MARINE BIOLOGY AND ECOLOGY

Tipo corso di studi Laurea Magistrale

Sede Lecce

Crediti 6.0

Periodo Primo Semestre

Ripartizione oraria Ore Attività frontale: 50.0

Tipo esame

Per immatricolati nel 2021/2022

Valutazione

Erogato nel 2021/2022

Orario dell'insegnamento https://easyroom.unisalento.it/Orario

BREVE DESCRIZIONE DEL CORSO

The course starts with the description of basic concepts about geology, physics, chemistry and biology of the oceans. Once the different zonation, depending on light availability and depth range, are described, the different benthic habitats (from supralittoral to the hadal zone) are explained with examples of different areas of the planet. The main threats and impacts in each are also introduced.

PREREQUISITI

Knowledge in geology, botanics, zoology and ecology

OBIETTIVI FORMATIVI

This course is a general introduction to marine biology and ecology. Basic concepts of zonation, habitat description or environmental parameters are explained with examples. The student will follow a roadmap to better apply concepts of ecology and biology, having the possibility to overview different areas of the world. From Polar systems to Mediterranean habitats, the final target is explore the basic knowledge that will be essential for the follow-up of the rest of the courses.

METODI DIDATTICI

Lectures, seminars and practical work on marine biology.

MODALITA' D'ESAME

Oral exam with 5-6 different questions about the lectures

PROGRAMMA ESTESO

THE BLUE PLANET TRANSFORMATION. HISTORICAL ECOLOGY. GEOMORPHOLOGY. OCEAN ZONATION. WATER COLUMN PROPERTIES. SEDIMENTS. CIRCULATION PRIMARY AND SECONDARY PRODUCTIVITY. THE MEDITERRANEAN SEA. ZONATION OF BENTHIC COMMUNITIES. LITTORAL BENTHOS. SUBLITTORAL BENTHOS. SEAGRASSES. CORALLIGENOUS AND MAËRL. SUBLITTORAL BENTHOS-Soft bottoms. CORAL REEFS. MESOPHOTIC CORAL REEFS. MARGINAL REEFS. MANGROVES. KELP FORESTS.ESTUARIES AND DELTAS. DEEP-SEA BENTHOS. COLD WATER CORALS. HYDROTHERMAL VENTS. POLAR ECOSYSTEMS. SUBMARINE CAVES. GENERAL IMPACTS. OVERVIEW OF THE METHODS IN MARINE BIOLOGY.

TESTI DI RIFERIMENTO

Marine biology / Peter Castro, Michael E. Huber. — 7th ed. ISBN 978–0–07–302819–4