COASTAL AND MARINE BIOLOGY AND ECOLOGY (LM51)

(Lecce - Università degli Studi)

Insegnamento MARINE LIFE CYCLES

GenCod A005727

Insegnamento MARINE LIFE CYCLES

Anno di corso 1

Insegnamento in inglese MARINE LIFE CYCLES

Lingua INGLESE

Settore disciplinare BIO/05

Percorso PERCORSO COMUNE

Corso di studi di riferimento COASTAL AND MARINE BIOLOGY AND ECOLOGY

Docente Adriana GIANGRANDE

Tipo corso di studi Laurea Magistrale

Sede Lecce

Crediti 5.0

Periodo Primo Semestre

Ripartizione oraria Ore Attività frontale: 42.0

Tipo esame

Per immatricolati nel 2019/2020

Valutazione

Erogato nel 2019/2020

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

BREVE DESCRIZIONE DEL CORSO	diversity and evolution of life cycle of marine invertebrates .he knowledge of reproductive biology and diversity of larval forms is utilized to understand the evolution of life cycle and its implication in determining the invertebrate distribution and ecology
PREREQUISITI	Knowledge of zoology and especially on animal phylogeny and taxonomy knowledge of basical ecology rules
OBIETTIVI FORMATIVI	enable students to read specific paper on the topic in a critical manner, and to be able to carry out personal research on the subject treated during the course the knowledge of reproductive biology and diversity of larval forms is utilized to understand the evolution of life cycle and its implication in determining the invertebrate distribution and ecology
METODI DIDATTICI	in addition to frontal teaching and field exercises, students actively participate by producing their own presentations of the topics and analyzing publications on the topic.
MODALITA' D'ESAME	written and oral examination

PROGRAMMA ESTESO	Description of complex life cycle in Marine invertebrates Larval diversity in: Basal metazoa, Bilaterian: Protostome Lophotrocozoa and Ecdisozoa; Deuterostome Case of study: molluscs, polychaetes echinoderms Importance of egg size and covariability of traits in marine invertebrates integrating functions in the evolution of life cycle phylogenetic constraits Meaning of the developmental diversity Evolutionary and ecological aspects More on larval dispersal life history theories Importance of life cycle knowledge in ecological studies Description of settlement and recruitment, population and community dynamics Supply side ecology and connectivities Bio-physical models Some examples
TESTI DI RIFERIMENTO	material provided by the teacher