COASTAL AND MARINE BIOLOGY AND ECOLOGY (LM51)

(Lecce - Università degli Studi)

Teaching MARINE LIFE CYCLES

Teaching in italian MARINE LIFE CYCLES

Course year 1

Teaching MARINE LIFE CYCLES

Language ENGLISH

SSD code BIO/05

Curriculum PERCORSO COMUNE

GenCod A005727

Owner professor Adriana GIANGRANDE

Reference course COASTAL AND MARINE BIOLOGY AND ECOLOGY

Course type Laurea Magistrale

Location Lecce

Credits 5.0

Semester First Semester

Teaching hours Front activity hours: 42.0

Exam type

Assessment

For enrolled in 2019/2020

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

Taught in 2019/2020

BRIEF COURSE DESCRIPTION	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
REQUIREMENTS	Knowledge of zoology and especially on animal phylogeny and taxonomy knowledge of basical ecology rules
COURSE AIMS	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
TEACHING METHODOLOGY	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.
ASSESSMENT TYPE	written and oral examination

FULL SYLLABUS	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
REFERENCE TEXT BOOKS	material provided by the teacher