COASTAL AND MARINE BIOLOGY AND ECOLOGY (LM51)

(Lecce - Università degli Studi)

Teaching LIFE CYCLES

GenCod A005043

Owner professor Adriana GIANGRANDE

Teaching in italian LIFE CYCLES

Teaching LIFE CYCLES

SSD code BIO/05

Reference course COASTAL AND MARINE BIOLOGY AND ECOLOGY

Course type Laurea Magistrale

Credits 5.0

Teaching hours Ore-Attivita-frontale: 44.0

For enrolled in 2018/2019

Taught in 2018/2019

Course year 1

Language INGLESE

Curriculum PERCORSO COMUNE

Location Lecce

Semester Primo-Semestre

Exam type

Assessment

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

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