

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 Front activity hours: 44.0

For enrolled in 2018/2019

Taught in 2018/2019

Course year 1

Language ENGLISH

Curriculum PERCORSO COMUNE

Location Lecce

Semester First Semester

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 constraints

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