UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Ecological Baseline and Conservation Paleobiology

2627-1-124R011

Title

Ecological Baseline and Conservation Paleobiology

Teacher(s)

Daniela Basso ; Valentina Alice Bracchi

Language

English

Short description

Present-day marine habitats are often the result of long-term natural trajectories of change and impacts by anthropogenic pressures. Impacts are measured with reference to the good environmental status of a baseline that, however, is presently shifting away from the pristine state. The course provides the conceptual framework and the fundamentals for the use of dead shell assemblages and recent fossil association in the reconstruction of the ecological history of marine habitats. Lectures will cover the main aspects of sampling and interpretation of benthic dead assemblages, including the basis of substrate-benthos relationship, taphonomic analyses of mollusks, radiocarbon dating, and benthic bionomics. Some case studies conducted in the Mediterranean and in the Indian Ocean will be presented.

Final evaluation: an e-learning test of 10 questions will evaluate the understanding of the main concepts presented during the course

CFU / Hours

2 CFU - 16 Hours (Lecture)

Teaching period

II Semester

Sustainable Development Goals