

INTEGRATIVE MARINE ZOOLOGY: FROM SEA TO SILICON
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Course outline

4 CFU in total (3 CFU lectures and 1 CFU practical activities)

The course will focus on conservation of marine fauna. It will be discussed the problems related to the conservation of marine taxa. During the course it will be introduced foundations of conservation genetics in marine environments, with several study cases of threatened marine species. The course will be also focused on molecular taxonomy, which is a fundamental issue in marine zoology. It will discuss the problems related to the species assessment in marine environments. It will be explained when molecular techniques are useful for this purpose (cryptic species issue) with several study cases of morphological indistinguishable species which require the use of *species delimitation* and *DNA barcoding*. Primer of analyses *in silico*.