



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Zoology

2021-1-E3201Q088-E3201Q077M

Aims

The contents of the Zoology module, of the course of Animal and Cell Biology, aim to provide the student with the knowledge related to the diversity of the animal kingdom in an evolutionary perspective. Specifically, the course aims to:

Contents

The course intends to address the issues of evolution and speciation, treating the distinctive features that have appeared throughout the history of life in the various animal taxa from a phylogenetic perspective.

Detailed program

The course of Zoology will deal with the issues of evolution, speciation and adaptation. Emphasis will be placed on reproduction and sexuality, on reproductive cycles and strategies, as well as parental care. Phylogeny and the main criteria for the classification of animal groups will be discussed. Organization, reproduction and sexuality in Protists will be briefly presented. The main characteristics of the Metazoans will be described: the early stages of embryonic development, the appearance of body cavities, and the origin of Protostomes and Deuterostomes. Description of animal phyla will take place with particular regard to their organization, morphological-functional adaptation and their phylogenetic relationships.

—

—————

—————

—————

—————

—————

—————

—————

—————

—————

—————

Systematic:

—————

—————

—————

—————

Prerequisites

None

Teaching form

The teaching activity will be organized in lectures (40 hours) and practical activities (10 hours) _____

For this teaching, teaching support activities (tutoring) are provided both on-going and post-course, with simulation of the examination tests.

Textbook and teaching resource

Hickman et al. 2016. Zoology, 16/ed

Hickman et al. 2016. Animal diversity 16/ed

Semester

The lectures and the practical part will be delivered in the first year of the course in the first semester.

Assessment method

Oral test after passing a multiple choice test. 8 ordinary sessions are scheduled during the teaching breaks.

Office hours

By appointment upon request at the e-mail address: luciano.bani@unimib.it
