General information	
Academic subject	General and Systematic Zoology
Degree course	Nature Sciences
Academic Year	*2021-2022*
European Credit Transfer and Accumulation System (ECTS)	9
Language	*italian*
Academic calendar (starting and ending date)	*March June 2022*
Attendance	Strongly recommended

Professor/ Lecturer	
Name and Surname	Francesco Mastrototaro
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Telephone	0805443344
Department and address	*Department of Biology*
Virtual headquarters	Teams code: inrfbdl
Tutoring (time and day)	Monday 10-12 am at the teacher's studio located on the second floor of the biological Sciences building, University campus or on line on teams channel **audhxsn**. It is possible to contact the teacher by mail to organize a meeting too.

Syllabus	
Learning Objectives	*Knowledge of general and systematic zoology*
Course prerequisites	basic knowledge of biology
Contents	Animal Bauplan, Reproductive modalities, Evolutionary process, Protozoa, Porifera, Cnidarians, Ctenophores, Platyzoa, Rotifers, Lofophorates, Molluscs, Annelids, Nematodes / Nematomorphs, Onychophores, Tardigrades, general characters of Arthropoda, Chelicerates, Myriapoda, Crustaceans, Insects, Echinoderms, Chaetognatha, Hemichordata, general characters of Chordata, Fish, Amphibians, Reptiles, Birds, Mammals
Books and bibliography	Hickman - Roberts - Keen - Eisenhour - Larson - L' Anson: **Zoologia**. Eds: McGraw-Hill De Bernardi, Balsamo…….Vinciguerra: **Zoologia**. Parte generale. Eds: Idelson Gnocchi Candia, De Bernardi…….Vinciguerra: **Zoologia** – Parte Sistematica Eds: Idelson Gnocchi
Additional materials	Pdf files of the lessons will be provided

Work schedule			
Total	Lectures	Hands on (Laboratory, working groups, seminars, field trips)	Out-of-class study hours/ Self-study hours
Hours			
220	*72*		*148*
ECTS			
	9		
Teaching strategy			
	Frontal lessons with PowerPoint supports. Plastic zoological models and zoological		

	museum samples will be showed
Expected learning outcomes	
Knowledge and understanding on:	○ The student will have to know all the subjects of the teaching
Applying knowledge and understanding on:	○ The student will have to be able to identified the museum samples saw during the practice lessons
Soft skills	• *Making informed judgments and choices* The ability to make connections between the numerous topics of the course and other naturalistic disciplines, both abiotic and biotic, will be assessed • *Communicating knowledge and understanding* ○ The use of proper scientific vocabulary will be positively evaluated • *Capacities to continue learning* ○ Personal insights and the reading and understanding of additional texts or scientific papers will be evaluated very positively

Assessment and feedback	
Methods of assessment	Oral exam involves at least three topics regarding the General zoology, invetebrate and vertebrate morphology and biology
Evaluation criteria	○ *Knowledge and understanding* Will be evaluated: The Knowledge of the concepts and the theories reported at lessons. The ability to make connections among the evolutionary modalities of the animal taxa as well as the main evolutionary pathways in the animal kingdom. The morphological and functional knowledge of the various taxa will be evaluated in a range between 18 and 27/30; The ability to link the animal models with their evolution from 27 to 30/30. Exam cum laude for excellent knowledge and personal deepening ○ *Applying knowledge and understanding* The student will have to be able to use the zoological topics in real contexts. ○ *Autonomy of judgment* ○ the student will have to be able to make links between the zoology and others matters of studies. ○ *Communication skills* ○ The speaking ability and the use of proper terminology will be very positively evaluated
Criteria for assessment and attribution of the final mark	*The final score will be awarded on the basis of knowledge, proper terminology and ability to link the zoology with others matters.*
Additional information	