Main course information	
Academic subject	Paleontology Lab
Degree course	Natural Sciences
Degree class	L/32
ECTS credits (CFU)	2
Compulsory attendance	Strongly recommended
Teaching language	Italian
Accademic Year	2019/2020

Professor/Lecturer	
Name & SURNAME	Angela GIRONE
email	angela.girone@uniba.it
Tel.	080 5443617
Tutorial time/day	Wednesday 14:30 – 16:30 pm at the studio located on the second floor of the Earth Sciences building, University campus

Course details	Pass-fail exam/Exam with mark out of 30	SSD code	Type of class
	Exam with mark out of 30	GEO/01	laboratory exercises

Teaching schedule	Year	Semester
	III	II

Lesson type	CFU/ECTS	Lessons (hours)	CFU/ECTS lab	Lab hours	CFU/ECTS tutorial/workshop	Tutorial/workshop hours	CFU/ECTS field trip	Field trip Hours
	2		2	15				

Time management	Total hours	Teaching hours	Self-study hours
	50	30	20

Academic Calendar	First lesson	Final lesson

Syllabus	
Course entry requirements	Geology, Zoology, Ecology, Mineralogy
Expected learning outcomes (according to Dublin Descriptors) (it is recommended that they are congruent with the learning outcomes contained in A4a, A4b, A4c tables of the SUA-CdS)	
Knowledge and understanding	Developing skills in observing morphological characters that allow to identify at level of phylum, class and order the fossil skeletal remains. Developing skills to link morphological features and mode of life of fossil organisms. Improve knowledge on the main evolutionary stages in terms of phylum, class, order and their distribution in geological time in terms of appearance / disappearance with the support of practical observation of fossil skeletal remains and descriptive taxonomic notes.
Applying knowledge and understanding	Acquiring basic skills for the identification of invertebrate fossil remains
Making informed judgements and choices	Acquiring skills in discriminating between different options
Communicating knowledge and understanding	Developing communication skills for the description of morphological features of fossil skeletons and processes
Capacities to continue learning	Improving skills in acquiring the main taxonomic features in a fossil specimen in order to identify it at phylum, class or order level. Improving skills in placing the fossil skeletons in an adequate chronological framework and tracing the main evolutionary processes of the examined fossil group.

Syllabus	
Course content	Taxonomy, evolutionary processes, stratigraphic and paleoenvironmental distribution of the following systematic groups: Phylum Porifera – Classes Desmospongea and Archaeocyatha Phylum Cnidaria – Orders Rugosa, Tabulata e Scleractinia. Phylum Bryozoa Phylum Brachiopoda Phylum Mollusca - Classes Bivalvia, Gastropoda, Cephalopoda. Phylum Echinodermata – Classes Echinoidea, Edrioasteroidea, Crinoidea Phylum Artropoda - Subphylum Trilobita Phylum Protozoa – Order Foraminiferida
Course books/Bibliography	E.N.K. CLARKSON - Invertebrate Paleontology and evolution - Wiley Handouts furnished by theacher
Notes	
Teaching methods	Inquiry-based learning
Assessment methods (indicate at least the type written, oral, other)	Identification and oral description of fossil specimen and it stratigraphical distribution and paleoenvironmental meaning
Evaluation criteria (Explain for each expected learning outcome what a student has to know, or is able to do, and how many levels of achievement there are	***Knowledge and understanding*** The student must demonstrate to know all the contents of the teaching and, in a special way, the main morphological features diagnostic to taxonomic identification at phylum, class and order hierarchical level. ***Applying knowledge and understanding*** The student must be able to apply, in the most appropriate way, the taxonomic knowledge of the main invertebrate fossil groups and collocate the fossils in a temporal and space vision. ***Autonomy of judgment*** In addition to ascertaining the acquisition of the concepts, the ability to connect the acquired knowledge with other naturalistic disciplines, both abiotic and biotic, is evaluated. ***Communication skills*** The mastery of the scientific vocabulary, the clarity and simplicity of exposure essential elements for teaching and scientific dissemination will be assessed very positively.
Further information	