



MODELLO SCHEDA INSEGNAMENTO

Corso di Laurea	Geological Science
Denominazione insegnamento:	Paleontology
Numero di Crediti:	8
Semestre:	1°
Docente Titolare:	Filomena Ornella Amore
Dottorandi/assegnisti di ricerca che svolgono attività didattica a supporto del corso:	No one
Orario di ricevimento:	by appointment: Monday, from 10am to 11am; Thursday from ore 14:00 to 15:00
Indirizzo:	Via Port' Arsa, 11

PRESENTAZIONE DEL CORSO:

The course deals with the study of invertebrate fossils; The reasons why a student must decide to follow the course are related to the basic aspect of the subject in the field of Geological Sciences.

GLI OBIETTIVI FORMATIVI

Fornire al strumenti che gli consentano di acquisire

- ✓ Knowledge: facts, principles, theories and practices related to paleontology.
- ✓ Skills: The student acquires skills that enable him/her to apply and use the main paleontological, environmental, and paleo-environmental analysis procedures to learn how to complete tasks and solve problems through the use of fossils related to the age definition of eedimentary series and the documentation of environmental changes.

PREREQUISITI RICHIESTI

The previous knowledge required concerns good use of the Italian language and basic knowledge of English; In addition, good knowledge of solid geometry is required with particular regard to

symmetry properties. The ability to interpret a law of dependence between two or more variables is also required

FREQUENZA DELLE LEZIONI

Frequency is recommended. The reasons for which a student benefits from the course attendance are related to laboratory activities and the possibility of access to interim tests reserved for attending students.

CONTENUTI DEL CORSO

Tafonomy. Principles of Taxonomy. Phylum Protozoa. Phylum Porifera. Phylum Briozoa. Phylum Coelenterata. Phylum Brachiopoda. Phylum Molluscs. Phylum Echinoderatai. Phylum Arthropoda. Paleoecology. Biostratigraphy. Evolution of Life On Earth

METODI DIDATTICI

Frontal lessons, laboratory tests, visits to paleontological museums and excursions to paleontological sites. The various methods contribute to the training objectives by providing theoretical concepts related to the discipline through the frontal lessons, the laboratory activities allow you to practice practically on preparations and fossil finds available in the didactic collection, guided museums tours and excursions in Paleontological sites complement the two previous moments, allowing you to observe further finds and recognize in natural outcrops what has been learned in classroom and in the lab.

TESTI DI RIFERIMENTO

Andrea Allasinaz (1999) Invertebrati fossili. UTET; Raffi S. Serpagli E. (2003) Introduzione alla paleontologia. UTET; R. Malaroda - (1990) Paleontologia, vol. I, II. CEDAM;

Lecture consigliate: Gould Stephen J. (2008) L' equilibrio punteggiato.

Gould Stephen J. (1990) La vita meravigliosa. I fossili di Burgess e la natura della storia. Feltrinelli

ESAME DI PROFITTO

Oral exam and practical test. Ongoing evaluation, optional.

The evaluation elements consist of: relevance of responses to formulated questions, content quality, ability to link to other subjects covered by the program, ability to bring examples, technical language skills, and student's overall expressive ability.

CALENDARIO ESAMI

Rinvio al link

PRENOTAZIONE ESAMI

Rinvio al link

SYLLABUS

MODELLO SYLLABUS

Argomenti	Ore	Riferimenti bibliografici	Tipologia di lezione
Tafonomy	2	Andrea Allasinaz (1999) Invertebrati fossili. UTET; Raffi S. Serpagli E. (2003) Introduzione alla paleontologia. UTET;	Frontal lessons, laboratory tests, guided tours to the palaeontological museum, excursions to paleontological sites
Principles of Taxonomy	2	Andrea Allasinaz (1999) Invertebrati fossili. UTET;	Frontal lessons, laboratory tests, guided tours to the palaeontological museum, excursions to paleontological sites
Phylum Protozoa	24	R. Malaroda - (1990) Paleontologia, vol. I, II. CEDAM; Frontal lessons, laboratory tests, guided tours to the palaeontological museum, excursions to paleontological sites	Frontal lessons, laboratory tests, guided tours to the palaeontological museum, excursions to paleontological sites
Phylum Porifera	1	Andrea Allasinaz (1999) Invertebrati fossili. UTET;	Frontal lessons, laboratory tests, guided tours to the palaeontological museum, excursions to paleontological sites
Phylum Briozoa	1	Andrea Allasinaz (1999) Invertebrati fossili. UTET;	Frontal lessons, laboratory tests, guided tours to the palaeontological museum, excursions to

			paleontological sites
Phylum Coelenterata	2	Andrea Allasinaz (1999) Invertebrati fossili. UTET;	Frontal lessons, laboratory tests, guided tours to the paleontological museum, excursions to paleontological sites
Phylum Brachiopoda	4	Andrea Allasinaz (1999) Invertebrati fossili. UTET;	Frontal lessons, laboratory tests, guided tours to the paleontological museum, excursions to paleontological sites
Phylum Molluscs	16	Andrea Allasinaz (1999) Invertebrati fossili. UTET;	Frontal lessons, laboratory tests, guided tours to the paleontological museum, excursions to paleontological sites
Phylum Echinodermata	4	Andrea Allasinaz (1999) Invertebrati fossili. UTET;	Frontal lessons, laboratory tests, guided tours to the paleontological museum, excursions to paleontological sites
Phylum Arthropoda	4	Andrea Allasinaz (1999) Invertebrati fossili. UTET;	Frontal lessons, laboratory tests, guided tours to the paleontological museum, excursions to paleontological sites
Paleoecology	2	Raffi S. Serpagli E. (2003) Introduzione alla paleontologia. UTET;	Frontal lessons, laboratory tests, guided tours to the paleontological museum, excursions to paleontological sites

Biostratigraphy	4	Raffi S. Serpagli E. (2003) Introduzione alla paleontologia. UTET;	Frontal lessons, laboratory tests, guided tours to the palaeontological museum, excursions to paleontological sites
Evolution of Life On Earth	6	Raffi S. Serpagli E. (2003) Introduzione alla paleontologia. UTET;	Frontal lessons, laboratory tests, guided tours to the palaeontological museum, excursions to paleontological sites