

Course Number

GEO-208-01

Course Description

Nearly all species that have existed on Earth are now extinct and are only known through the fossil record. This course examines the evolution and history of life on Earth as interpreted from the fossil record. Topics include fossil preservation, taphonomy, ontogeny, diversity trajectories through geologic time, evolutionary mechanisms, extinction, paleobiology, paleoecology, and paleoclimate. Special emphasis will be placed on using fossils to interpret ancient environments as well as deciphering past climates. The course focuses on the fossil record of marine invertebrates, but major groups of vertebrates (such as dinosaurs) and plants are also covered.

Academic Term

22/SP

Instructor

Verheyden-Gillikin, Anouk

Location & Meeting Time

Olin Building-306+ T/TH 10:55AM-12:40PM LEC

Petition

Y

Credits

1.00

Capacity

16

Total Students

13

Additional Information

<http://www.union.edu/Geology>

Common Curriculum

SCLB Science w/Lab

Interdisciplinary Programs

Environmental Science & Policy

Academic Department

Geosciences

Field Of Study

Geosciences (GEO)