

GEOL 3 & GEOL 3L Historical Geology (Lab)

Do you know

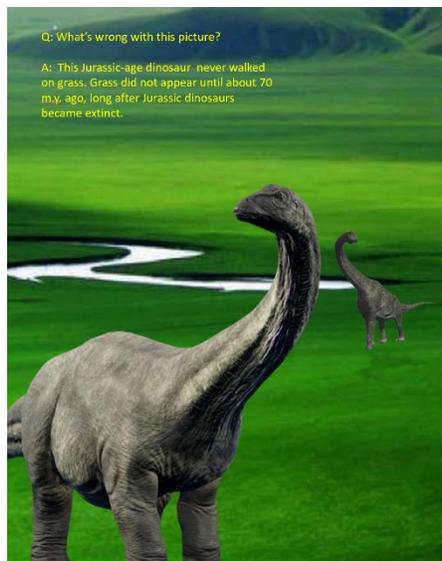
'Water on Earth was introduced from outer space'?

'The Jurassic dinosaurs stegosaurus never walked on grass'?

'We now know the meteorite impact that killed all the dinosaurs occurred in spring.'

"Cyanobacteria are the most important organisms that ever lived on Earth"?

You'll get the answers in this course.



Course objective and learning outcomes

The course gives an overview of the history of Earth and the evolution of life on Earth. It uses a hands-on approach, integrating lectures and laboratory and field studies to give students a rich learning experience.

Students completing the course will be able to

- describe the overall structure, processes, and history of Earth;
- name and identify the major types of fossils and their ages, and
- able to determine and describe the sequence of events at a geological exposure.

Course activities

- Lectures – some in person and some online
- Laboratory work – identification of rocks, minerals, fossils and gemstones
- Field studies – visit and field work at localities of geological interest in the Bay Area

