

# GEOL 3 & GEOL 3L Historical Geology (Lab)

*Do you know*

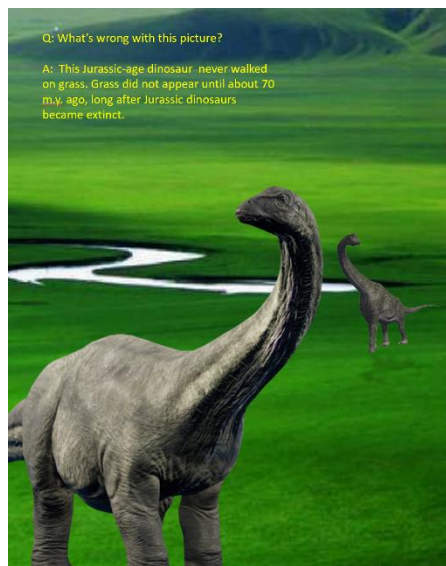
**‘Water on Earth was introduced from outer space’?**

**‘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

