

COURSE DETAIL

VERTEBRATE PALEONTOLOGY AND EVOLUTION

Country

United Kingdom - England

Host Institution

University College London

Program(s)

University College London

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Biological Sciences

UCEAP Course Number

160

UCEAP Course Suffix**UCEAP Official Title**

VERTEBRATE PALEONTOLOGY AND EVOLUTION

UCEAP Transcript Title

VERTEBRATE PALEONTO

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

The course provides an introduction to the major vertebrate groups (jawless vertebrates, placoderms, cartilaginous fish, ray-finned fish, lobe-finned fish, early tetrapods, modern amphibians, lizards, snakes, turtles, crocodiles, dinosaurs and birds]. The core of the course concerns the anatomy and evolutionary relationships of these groups, which are examined through lectures and practical classes in the Grant Museum of Zoology. The course also uses vertebrates to illustrate two important aspects of palaeontological research: analytical methods and evolutionary processes. The methods introduced by these lectures include phylogenetic analysis, cladistic biogeography, and taxic and phylogenetic diversity estimation. Students also examine evolutionary phenomena such as exaptation and adaptation, extinction, adaptive radiation, and the influence of physical factors on evolutionary history.

Language(s) of Instruction

English

Host Institution Course Number

GEOL0009

Host Institution Course Title

VERTEBRATE PALEONTOLOGY AND EVOLUTION

Host Institution Course Details

<https://www.ucl.ac.uk/module-catalogue/modules/vertebrate-palaeontology-and-evo...>

Host Institution Campus

University College London

Host Institution Faculty

Host Institution Degree

Host Institution Department

Earth Science

Course Last Reviewed

2022-2023

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