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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