

COURSE DETAIL

INVERTEBRATE DIVERSITY & FUNCTIONAL BIOLOGY

Country

South Africa

Host Institution

University of Cape Town

Program(s)

University of Cape Town

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Biological Sciences

UCEAP Course Number

125

UCEAP Course Suffix**UCEAP Official Title**

INVERTEBRATE DIVERSITY & FUNCTIONAL BIOLOGY

UCEAP Transcript Title

INVERTEBRATE BIOL

UCEAP Quarter Units

8.00

UCEAP Semester Units

5.30

Course Description

The course exposes students to the diversity of invertebrates and their functional biology. Topics are presented within an evolutionary framework to emphasize past and contemporary selective pressures driving diversification. Students are exposed to key topics in functional biology across the major invertebrate groups and include cellular to organism-level processes. The course begins with an introduction to the evolution of the invertebrates and the major phyla. This leads to an exploration of invertebrate functional biology, with an emphasis on key adaptations across the aquatic-terrestrial gradient. Lectures, practicals, and field trips expose students to contemporary philosophical, methodological, and conceptual approaches used in the field of invertebrate functional biology and diversity. Assessment: A 3-hour examination, with a subminimum of 40%, counts for 50% of the course mark. Coursework marks will be allocated as follows: practicals count 15%, the field camp report counts 15% and two class tests count 20%.

Language(s) of Instruction

English

Host Institution Course Number

BIO2016S

Host Institution Course Title

INVERTEBRATE DIVERSITY & FUNCTIONAL BIOLOGY

Host Institution Course Details

https://uct.ac.za/sites/default/files/media/documents/uct_ac_za/49/2023_SCI_Han...

Host Institution Campus

University of Cape Town

Host Institution Faculty

Faculty of Science

Host Institution Degree

Host Institution Department

Biological Sciences

Course Last Reviewed

2023-2024

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