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 Campus
University of Cape Town

Host Institution Faculty
Faculty of Science

Host Institution Degree

Host Institution Department
Biological Sciences

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