

COURSE DETAIL

ANIMAL PHYSIOLOGY AND ENVIRONMENTAL ADAPTATION

Country

Hong Kong

Host Institution

University of Hong Kong

Program(s)

University of Hong Kong

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Biological Sciences

UCEAP Course Number

122

UCEAP Course Suffix**UCEAP Official Title**

ANIMAL PHYSIOLOGY AND ENVIRONMENTAL ADAPTATION

UCEAP Transcript Title

ANIMAL PHYSIOLOGY

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

This course studies experimental zoology describing interactions between animals and the environment. Emphasis is given to how living organisms obtain resources from the environment, gather information of environmental changes via sensory structures, and respond to adversities of environmental changes by adjusting their body physiology and biochemistry. Topics include energy metabolism, respiration, circulation, photoreception, color change and background adaptation, thermal regulation, muscle contraction and animal movement, and environmental stress and stress responses.

Language(s) of Instruction

English

Host Institution Course Number

BIOL3105

Host Institution Course Title

ANIMAL PHYSIOLOGY AND ENVIRONMENTAL ADAPTATION

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Biological Sciences

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