

COURSE DETAIL

ENVIRONMENTAL ANIMAL PHYSIOLOGY

Country

Singapore

Host Institution

National University of Singapore

Program(s)

National University of Singapore

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Biological Sciences

UCEAP Course Number

122

UCEAP Course Suffix**UCEAP Official Title**

ENVIRONMENTAL ANIMAL PHYSIOLOGY

UCEAP Transcript Title

ENV ANIMAL PHYSIOL

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course examines the physiological and biochemical adaptations of animals which permit them to thrive in diverse environments. It focuses on how animals adapt to natural (e.g., oxygen availability, salinity changes, water availability) and anthropogenic (e.g., greenhouse effect, UV radiation and oxidative stresses, xenobiotics) environmental challenges. This course offers clues to what are the fundamental ways in which basic biological structures and functions of living systems are actively modified to allow organisms to exploit the full range of natural environments and to maintain the radically different modes of life seen in nature. Efforts are made to teach how environmental physiology can be applied to biomedicine, agriculture, ecology and environmental conservation.

Language(s) of Instruction

English

Host Institution Course Number

LSM3262

Host Institution Course Title

ENVIRONMENTAL ANIMAL PHYSIOLOGY

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Biological Sciences

Course Last Reviewed

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