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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