

COURSE DETAIL

ENVIRONMENTAL STRESS AND PHYSIOLOGICAL STRAIN

Country

Australia

Host Institution

University of Sydney

Program(s)

University of Sydney, Summer at University of Sydney

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Health Sciences

UCEAP Course Number

140

UCEAP Course Suffix**UCEAP Official Title**

ENVIRONMENTAL STRESS AND PHYSIOLOGICAL STRAIN

UCEAP Transcript Title

ENV STRESS/PHYS STR

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course examines how the human body responds to extreme environmental stressors (i.e. high altitude, hyperbaria, extreme heat, extreme cold), and how these conditions alter the capacity of humans to perform physical and mental tasks. Special attention will also be given to the theoretical basis of how these stressors can lead to decrements to human health in the form of injury (e.g. frostbite, heat exhaustion) and illness (e.g. pulmonary/cerebral oedema, acute mountain sickness, 'the bends'). This course will also focus on how this information can be used to develop therapeutic, pharmacological, and/or technological interventions to improve human functioning in extreme environments and reduce the risk of illness and injury.

Language(s) of Instruction

English

Host Institution Course Number

HSBH3021

Host Institution Course Title

ENVIRONMENTAL STRESS AND PHYSIOLOGICAL STRAIN

Host Institution Course Details

Host Institution Campus

Camperdown/Darling

Host Institution Faculty

Host Institution Degree

Host Institution Department

Movement Sciences

Course Last Reviewed

2025-2026

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