COURSE DETAIL

ADVANCED PHYSIOLOGY
Country Netherlands
Host Institution Utrecht University – University College Utrecht
Program(s) University College Utrecht
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Biological Sciences
UCEAP Course Number 110
UCEAP Course Suffix
UCEAP Official Title ADVANCED PHYSIOLOGY
UCEAP Transcript Title ADVANCED PHYSIOLOGY
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

The functioning of the human or animal body depends on how individual organ systems function, which in turn depends on how the cells function, which itself depends on the interactions between subcellular organelles and countless molecules. Thus, integrated physiology takes a global view of the human body, requiring an in-depth understanding of events at the level of molecules, cells, and organs. This course begins at the level of individual organ systems, and then explores at the molecular level before expanding the focus to include the homeostasis of the entire body. The course examines several organs systems, such as the central nervous system, the liver, the heart and blood vessels, the lungs, the kidneys, and the endocrine glands. Occasionally, the course ventures into the field of pathophysiology to illustrate how a change in normal physiology leads to malfunction and disease. This course takes examples from human and animal physiology to explain the working mechanisms and principles of physiology acting throughout the mammalian realm.

Language(s) of Instruction
English

Host Institution Course Number
UCSCIBIO33

Host Institution Course Title
ADVANCED PHYSIOLOGY

Host Institution Course Details
https://osiris.uu.nl/osiris_student_uuprd/SetTaal.do?taal=en&bronUrl=/osiris_st...

Host Institution Campus
Science

Host Institution Faculty

Host Institution Degree
Host Institution Department Biology
Course Last Reviewed 2021-2022

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