

COURSE DETAIL

ORGAN SYSTEMS AND HOMEOSTASIS OF THE HUMAN BODY

Country

Sweden

Host Institution

Lund University

Program(s)

Lund University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Biological Sciences

UCEAP Course Number

136

UCEAP Course Suffix**UCEAP Official Title**

ORGAN SYSTEMS AND HOMEOSTASIS OF THE HUMAN BODY

UCEAP Transcript Title

HUMAN ORGAN SYSTM

UCEAP Quarter Units

12.00

UCEAP Semester Units

8.00

Course Description

The course focuses on integrative human physiology, which means how the internal organ systems interact to maintain homeostasis. This includes the structure of the organ systems (anatomy, histology) and their function and regulation (physiology). The course includes the following organs and organ systems: the heart, the circulatory system and the blood, the kidneys and the urinary tract, the respiratory system, the digestive tract and accessory organs, endocrine organs and the reproductive organs. The structure, function and regulation of the musculature is also studied. Integrated knowledge of the autonomic nervous system and energy metabolism are also included. The organ systems in question are studied from the cellular to systemic level. Major emphasis is placed on the understanding of homeostatic regulation. The course concerns how homeostasis is maintained at rest and under different conditions such as physical activity and potentially homeostasis imbalance changes in the surroundings. In order to explain physiological functions, the required anatomy and histology is studied in parallel with physiology. Course requires 60 credits and is graded Pass or Fail.

Language(s) of Instruction

English

Host Institution Course Number

BIMB40

Host Institution Course Title

ORGAN SYSTEMS AND HOMEOSTASIS OF THE HUMAN BODY

Host Institution Campus

Lund

Host Institution Faculty

Medicine

Host Institution Degree

Host Institution Department

Biomedicine

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