

Course syllabus

Människans fysiologi Human Physiology

EXTG50, 7,5 credits, G2 (First Cycle)

Valid for: 2023/24

Faculty: Faculty of Engineering, LTH

Decided by: PLED W

Date of Decision: 2023-03-27

General Information

Main field: Technology.

Compulsory for: BME2, N2

Elective for: B4, K4, MLAK1

Language of instruction: The course will be given in English on demand

Aim

Learning outcomes

Knowledge and understanding

For a passing grade the student must

understand and be able to explain

- the functional organisation of the human body
- general principles of the organisation and functions of organs and tissues as well as the general features of physiological control mechanisms
- the organisation, functions and control mechanisms of each organ system studied

Competences and skills

For a passing grade the student must

be able to carry out

- basic routines in some physiological methods
- oral and written communication

Contents

The human body is studied from a functional point of view. General principles for the organisation and function of organs and tissues are dealt with as well as general physiological control mechanisms.

Examination details

Grading scale: TH - (U,3,4,5) - (Fail, Three, Four, Five)

Assessment: Written examination. Teaching consists of lectures, supervised group exercises, and laboratory practices. Active participation in laboratory practices, group exercises and the associated teaching are compulsory.

The examiner, in consultation with Disability Support Services, may deviate from the regular form of examination in order to provide a permanently disabled student with a form of examination equivalent to that of a student without a disability.

Admission

Assumed prior knowledge: KOKA30 General, Inorganic and Organic Chemistry and (EXTA70 Biology of the Cell or KMB060 Microbiology or KBKA05 Technical Biology).

The number of participants is limited to: 100

Selection: Students enrolled in the Biomedical Engineering Programme or Engineering Nanoscience Programme or Master's programme in Pharmaceutical Technology are guaranteed admission. Other students: Credits awarded or credited within the study programme. Priority is given to students enrolled on programmes that include the course in their curriculum.

The course overlaps following course/s: TEK015

Reading list

- As specified by the department not later than eight weeks before onset of the course.

Contact and other information

Course coordinator: Marcus Stensmyr , marcus.stensmyr@biol.lu.se

Course homepage: <http://www.biologi.lu.se/utbildning/grund-och-avancerad-utbildning/kurser/kurser-grundniva/biologiska-kurser-pa-grundniva-for-teknologer>