Linnæus University

Dnr: 2022/2653-3.1.2.2

Course syllabus

Faculty of Health and Life Sciences

Department of Health and Caring Sciences

1MC609 Anatomi och fysiologi II, 7,5 högskolepoäng
1MC609 Anatomy and physiology II, 7.5 credits

Main field of study
Medical Science

Subject Group
Medicine

Level of classification
First Level

Progression
G1N

Date of Ratification
Approved by Faculty of Health and Life Sciences 2022-08-29
The course syllabus is valid from autumn semester 2023

Prerequisites
General entry requirements + Mathematics 2a alt. Mathematics 2b alt. Mathematics 2c, Science studies 2 and Civics 1b alt. Civics 1a1 +1a2.

Objectives

Knowledge and understanding
After completing the course, the student should be able to:

- A.1 describe the structure of the human body at the cellular, organ, and organism levels
- A.2 explain the composition and describe the function of the various organ systems of the human body, that is, the musculoskeletal, circulatory, respiratory, digestive, and reproductive systems, as well as the kidneys and urinary tract
- A.3 explain how the different organ systems interact to maintain homeostasis.

Competence and skills
After completing the course, the student should be able to:

- B.1 apply anatomical terminology
- B.2 describe and use medical scientific terms, and explain how they can be communicated in a professional conversation.

Judgement and approach
After completing the course, the student should be able to:

- C.1 reflect on how an individual's anatomy and physiology, homeostasis, and health relate to age, sex, and altered physiological conditions.

Content

This second course in medical science covers anatomy and physiology of organ systems in the human body and their homeostasis. The overall aim of the course is to provide a foundation for understanding human diseases and care needs, and for planning and implementing nursing care, in later courses on the programme.

The course provides a basis for knowledge and understanding of the structure and function of the body, laying the groundwork for oral and written communication of medical terms and concepts. Furthermore, it develops the ability to reflect on how anatomy and physiology, homeostasis, and health relate to age, sex, and altered physiological conditions.

The following areas are included:

- the musculoskeletal system
- the circulatory system
- the respiratory system
- the kidneys and urinary tract
- the digestive system
- the reproductive system.

Type of Instruction

Individual studies
Lectures
Seminars
Web-based tests

These forms of instruction provide an opportunity for students to take an active responsibility for their learning. Teaching will be conducted in part through a learning platform. Participation in seminars and completion of web-based tests via the learning platform are mandatory.

Examination

The examination of the course is divided as follows:

Code	Designation	Grade	Credits
2301	Individual written exam	U/G/VG	7,50

The course is assessed with the grades Fail (U), Pass (G) or Pass with Distinction (VG).

The course is examined through an individual written examination worth 7.5 credits.

The grading criteria for the course, i.e., the basis for assessment, consist of seminars and web-based tests, in addition to a passed individual written examination.

The final grade for the course is issued when the examination and the mandatory elements of the course have been approved. The mandatory elements of the course can be replaced with other assignments, subject to the examiner's decision.

If the university has decided that a student is entitled to special pedagogical support due to a disability, the examiner has the right to adapt the exam or to let the student conduct the exam in an alternative way.

Resit examination is offered in accordance with Local regulations for courses and examination at the first and second-cycle level at Linnaeus University.

Objectives achievement

The examination elements are linked to the course objectives in the following ways:

Goal	2301

Course Evaluation

During or shortly after the course, a course evaluation should be conducted. The result and analysis of the course evaluation should be promptly communicated to the students who have taken the course. Students who are taking the course when it is offered the next time should be informed of the result at the course introduction. The course evaluation is anonymous.

Credit Overlap

The course cannot be included in a degree along with the following course/courses of which the content fully, or partly, corresponds to the content of this course: 1MC607, 7.5 credits

Required Reading and Additional Study Material

Haug, E., Bjålie, J.G., Sand, O. & Sjaastad Ö.V. *Människokroppen - Fysiologi ochanatomi*. 2021, Stockholm: Liber, 688 pp. ISBN: 9789147142873

Vigué-Martin, J. & Dunder, K. *Atlas över människokroppen.* 2012, Stockholm: Liber,164 pp. ISBN: 9789147105878