



Course syllabus

Faculty of Health and Life Sciences
Department of Health and Caring Sciences

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

Main field of study

Medical Science

Subject

Medicine

Level

First cycle

Progression

G1N

Date of Ratification

Approved 2022-08-29.

Revised 2025-05-19. Seminars and web-based tests have previously been mandatory components of the course, but are now converted into examination components and receive 1.0 and 0.5 credits.

The course syllabus is valid from autumn semester 2025.

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.

Examination

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, 6.0 credits, seminars, 1.0 credit and web-based tests, 0.5 credits.

To receive a Pass grade, the student must achieve this grade on all three examination components. To receive a Pass with Distinction as the final grade for the course, the student must achieve this grade on the individual written examination and at least a Pass on the seminars and web-based tests.

The final grade for the course is issued only when all examination components have been successfully completed.

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 of the course is divided as follows:

Module 2501 Individual written exam 6.0 credits with the grading system UV

Module 2502 Seminars 1.0 credits with the grading system UG

Module 2503 Webtest 0.5 credits with the grading system UG

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

Module 2501 links to the course objectives: A.1, A.2, A.3, B.1, B.2, C.1

Module 2502 links to the course objectives: B.1, B.2, C.1

Module 2503 links to the course objectives: A.1, A.2, A.3, B.1

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.

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 och anatomi*. 2021, Stockholm: Liber, 688 pp. ISBN: 9789147142873

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