Linnæus University

Dnr: LNU-2025/389

Course syllabus

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

1MC615 Människans sjukdomar II, 7,5 högskolepoäng
Human Illnesses II, 7.5 credits

Main field of study
Medical Science

Subject
Medicine

Level
First cycle

Progression
G1N

Date of Ratification
Approved 2011-06-15.
Revised 2025-05-19. Revision of content, teaching methods, course literature and examinations.

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 explain the relationship between etiology, pathophysiology, symptoms, diagnostics, and treatment for the most common diseases and conditions within different clinical specialties

- A.2 describe the specific pharmacology of different diagnoses.

Competence and skills

- B.1 explain the consequences of diseases for individuals in different life situations
- B.2 describe and apply fundamental concepts in medical science and discuss how they can be communicated in professional dialogue
- B.3 apply drug dosage calculations.

Judgement and approach

- C.1 assess the occurrence of complications in different clinical specialties
- C.2 evaluate the significance of prevention in limiting disease progression.

Content

The course is the second of three courses focusing on human diseases. It builds upon knowledge gained from the courses in microbiology and human anatomy and physiology. The course provides foundational knowledge and understanding of commonly occurring diseases and conditions across various clinical specialties. It also includes drug dosage calculations, which is a progression from previously acquired knowledge in this area.
The following areas are included:

- General neurology
- Gynaecology/obstetrics
- Infectious diseases
- Neurological disorders
- Orthopaedics
- Paediatrics
- Prevention
- Psychiatry
- Rheumatology
- Stroke
- Specific pharmacology
- Drug dosage calculations.

Type of Instruction

The teaching methods used in the course provide an opportunity for students to take active responsibility for their learning. Some of the instruction will be conducted via a

learning platform. The teaching methods that will be used are:
- individual work - lectures - field study - seminars - online tests.

Examination

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

The course is examined through three individual written exams, as well as seminars and web-based tests.
In order to receive the grade Pass, the student must achieve this grade on all three written exams, seminars, and web-based tests. In order to receive the grade Pass with Distinction, the student must achieve this grade on the 'Specific Pharmacology' and 'Human Diseases' examinations, as well as a Pass on the 'Drug Calculations' examination, seminars, and web-based tests.
The final grade for the course is issued only when all examination components have been successfully completed.
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.
In the event that a student with a disability is entitled to special study support, the examiner will decide on adapted or alternative examination arrangements.
Resit examination is offered in accordance with Linnaeus University's Local regulations for courses and examination at the first- and second-cycle levels.

Objectives achievement

The examination of the course is divided as follows:
Module 2501 Drug calculation 1.0 credits with the grading system UG
Module 2502 Specific pharmacology 1.0 credits with the grading system UV
Module 2503 Human Illnesses 4.0 credits with the grading system UV
Module 2504 Seminars 1.0 credits with the grading system UG
Module 2505 Webbtest 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: B.3
Module 2502 links to the course objectives: A.2
Module 2503 links to the course objectives: A.1, B.1, B.2, C.1, C.2
Module 2504 links to the course objectives: B.1, B.2, C.1, C.2
Module 2505 links to the course objectives: A.1, A.2

Course Evaluation

Course evaluation should be conducted during or shortly after the course. Its results and analysis should be promptly communicated to the students who have taken the course. Students participating in the next course instance should be informed of the results of the previous course evaluation and any improvements that have been made, no later than at the start of the course.

Required Reading and Additional Study Material

Braun, C. & Anderson, C. (Latest ed.). *Patofysiologi*. Studentlitteratur, (in selection 70 pp).

Borgfeldt, C. (Latest ed.). *Obstetrik och gynekologi*. (in selection. Studentlitteratur. (in selection 350 pp.).

Ericson, T., & Lind, M. (Latest ed.). *Medicinska sjukdomar*. Studentlitteratur, (in selection 350 pp).

Hagren, B. (Latest ed.). *Läkemedelsräkning med interaktiva övningsuppgifter*. Studentlitteratur. (in selection 24 pp).

Hallström, I. & Lindberg, T. (Latest ed.). *Pediatrisk omvårdnad.* Liber, (in selection 50 pp).

Järhult, K., & Offenbartl, K.(Latest ed.). *Kirurgiboken*. Liber, (in selection 70 pp).

Thoresen, H., & Simonsen, T. (Latest ed.). *Illustrerad farmakologi.* Studentlitteratur, (in selection 70 pp).

Web-based material and research articles in the field of medical science. Approx. 10–15 pages.