



Course syllabus

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

1MC620 Människans sjukdomar III, 7,5 högskolepoäng
Human Illnesses III, 7.5 credits

Main field of study

Medical Science

Subject

Medicine

Level

First cycle

Progression

G1N

Date of Ratification

Approved 2011-06-15.

Revised 2023-09-04.

The course syllabus is valid from spring semester 2024.

Prerequisites

General entry requirements + Mathematics 2a alt. Mathematics 2b alt. Mathematics 2c, Science studies 2 and Civics 1b alt. Civics 1a1 +1a2. Following courses or equivalent: Human Anatomy and Physiology incl. microbiology 15 credits

Objectives

After completing the course, the student should be able to:

Knowledge and understanding

- A.1 explain the relationship between aetiology, pathophysiology, symptoms, diagnostics, and treatment in medical, surgical, and complex disease conditions
- A.2 describe the acute care of trauma and emergency medical conditions
- A.3 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 basic concepts in medical science and how they can be communicated in professional discussions

Judgement and approach

- C.1 assess the occurrence of complications in different disease conditions
- C.2 assess the importance of prevention in limiting disease progression.

Content

- Blood diseases
- Geriatrics
- Gastrointestinal disorders
- Metabolic syndrome
- Patients suffering from multiple diseases
- Palliative care
- Prevention
- Specific pharmacology
- Trauma and acute medical conditions
- Tumour diseases
- Urological and renal conditions, including transplantation

Type of Instruction

The teaching methods provide a basis for students to take active responsibility for their learning. Teaching will be partially conducted through a learning platform. Participation in seminars and web-based tests via the learning platform is mandatory. Teaching is delivered in the form of:

- individual studies
- lectures
- seminars
- web-based tests.

Examination

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

The course is examined through two written, individual exams and a seminar on the metabolic syndrome.

The course grading criteria, i.e., the basis for grading, consist of two individual written exams, one examination seminar, seminars, and web-based tests.

For a passing grade, this grade is required for all three examinations. A Pass with Distinction requires this grade for the examination element Specific pharmacology and the examination element Human diseases, and a Pass for the seminar on the metabolic syndrome.

The final course grade is issued when all the examination elements have been approved,

and all the mandatory components have been completed. The mandatory components can be replaced with other assignments, which are decided by the examiner.

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

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.

Objectives achievement

The examination of the course is divided as follows:

Module 2401 Specific pharmacology 2.0 credits with the grading system UV

Module 2402 Human Illnesses 5.0 credits with the grading system UV

Module 2403 The Metabolic syndrome 0.5 credits with the grading system UG

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

Module 2401 links to the course objectives: A.3

Module 2402 links to the course objectives: A.1, A.2, B.1, B.2, C.1, C.2

Module 2403 links to the course objectives: A.1, A.3, B.1, B.2, C.1, C.2

Course Evaluation

Course evaluation should be conducted during or shortly after the course. The results and analysis should be promptly communicated to those 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

Obligatorisk litteratur

Braun, C. & Anderson, C. (2012). *Patofysiologi*. Studentlitteratur, (in selection, 200 pp). ISBN: 9789144053479

Ericson, T., & Lind, M. (2020). *Medicinska sjukdomar*. (5th ed.). Studentlitteratur, (in selection, 300 pp). ISBN: 9789144133058

Järhult, K., & Offenbartl, K. (2019). *Kirurgiboken*. (6th ed.). Liber, (in selection, 250 pp). ISBN:9789147127733

Thoresen, H., & Simonsen, T. (2021). *Illustrerad farmakologi*. Studentlitteratur, (in selection, 150 pp). ISBN: 978914413975

Wahlund, L. (2020). *Geriatriboken*. Liber, (in selection, 150 pp). ISBN: 9789147113460

Wikström, J. (2018). *Akutsjukvård* (3rd ed.). Studentlitteratur, (in selection, 100 pp.). ISBN: 9789144115771

Regionala cancercentrum i samverkan.(2023-05-30). Nationellt vårdprogram palliativ vård. <https://kunskapsbanken.cancercentrum.se/diagnoser/palliativ-varld/vardprogram/>

Web-based material and research articles in the subject of medical science, approx. 10–15 pages.