



Course syllabus

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

1MC610 Människans sjukdomar I, 7,5 högskolepoäng
Human Illnesses I, 7.5 credits

Main field of study

Medical Science

Subject

Medicine

Level

First cycle

Progression

G1N

Date of Ratification

Approved 2011-06-15.

Revised 2019-03-14. The infectious diseases section has been removed from the course.

The course syllabus is valid from autumn semester 2019.

Prerequisites

General entry requirements + Mathematics 2a/2b/2c, Science studies 2 and Civics 1b/1a1+1a2 or Mathematics B, Science studies B, Civics A (field-specific requirements 16/A14).

Objectives

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

- describe processes and changes in cells and tissues that occur during cell damage and cell death, hypersensitivity reactions, and tumour formations
- describe different types of pain, their origins, and their treatment
- explain concepts within general pharmacology

- describe the relationship between pathophysiology, symptoms, diagnosis, and treatment, including specific pharmacology, for the most commonly occurring diseases in medicine
- explain the origins of diseases and their consequences for individuals in their circumstances
- describe and reflect on the significance of prevention in limiting disease progression and the onset of complications
- communicate disease manifestations, treatments, and consequences with individuals who do and do not have specialised knowledge in the field.

Content

- General pathology
- General oncology
- Inflammation, wounds, and wound healing
- Pain and pain management
- General and specific pharmacology
- Cardiovascular diseases
- Lung diseases
- Endocrine diseases (especially diabetes)
- Ophthalmology
- Prevention

Type of Instruction

- Individual work
- Lectures
- Seminars

Examination

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

The course is examined through two written examinations: Basic pathology and general pharmacology, 3 credits, and Human diseases and specific pharmacology, 4.5 credits. For a passing grade, the expected learning outcomes must be achieved. The final course grade is issued only when all examination elements have been approved. For a passing grade, this grade is required for both examination elements. For a Pass with Distinction, this grade is required for both examination elements. A fail grade means that the student's performance has been assessed as failed. The course grading criteria are specified with each examination element and serves as the basis for grading.

Course Evaluation

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

Required Reading and Additional Study Material

Required Reading

Braun, C. & Anderson, C. *Patofysiologi*. Lund: Studentlitteratur, 2012, 532 pp.

Ericson, E. & Ericson, T. *Medicinskasjukdomar*. Lund: Studentlitteratur, 2012, 752 pp.

Hokland, B. & Madsen, S. *Klinisk kemi och fysiologi*. Stockholm: Natur och kultur, the latest edition, in selection, 100 pages.

Läkemedelsboken www.lakemedelsboken.se

Simonsen, T. & Aarbakke, J. *Illustrerad farmakologi 1: Principer och tillämpningar*. Stockholm: Natur och kultur, the latest edition, in selection, 155 pp.

Simonsen, T. Aarbakke, J. & Hasselström, J. *Illustrerad farmakologi 2: Sjukdomar och behandling*. Stockholm: Natur och kultur, the latest edition, in selection, 160 pp.

Additional Study Material

Web-based material and research articles in medical science