



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 Group

Medicine

Level of classification

First Level

Progression

G1N

Date of Ratification

Approved 2011-06-15

Revised 2018-05-07 by Faculty of Health and Life Sciences.

The course syllabus is valid from autumn semester 2018

Prerequisites

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

Objectives

On completion of the course, students should be able to:

- describe processes and changes in cells and tissues that occur in cell damage and cell death, hypersensitivity reactions and tumourigenesis
- describe different types of pain as well as their origin and treatment
- explain concepts within general pharmacology
- describe the connection between pathophysiology, symptom, diagnosis and treatment, including specific pharmacology, against the most common illnesses within medicine and infection
- reflect over the origin of illnesses as well as the consequences they bring about for people
- describe and reflect over the importance of prevention for limiting the development of diseases and rise of complications
- communicate disease manifestations, treatments and consequences to people who have, and do not have, special knowledge within the field

Content

- General pathophysiology
- General oncology
- Inflammation, wounds and wound healing
- Pain and pain treatment
- General and specific pharmacology
- Cardiovascular diseases
- Lung diseases
- Endocrine diseases
- Infectious diseases
- Prevention

Obligatory elements are specified in the course schedule.

Type of Instruction

- Individual studies
- Lectures
- Seminars

Examination

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

The course is examined with individual written examinations and seminars. In order to receive the grade of pass, all expected learning outcomes must be achieved. Students at Linnaeus University can, at request, receive their grades in ECTS credits, according to the ECTS-scale. This re-quest should be made at the introduction of the course. A resit examination is offered according to local rules for examinations on first-level and advanced level at Linnaeus University (Dnr: HL/2009-0283).

Course Evaluation

A written evaluation is carried out and compiled in a report, which is archived at the institution. The results, along with possible measures taken, are reported to the students the next time the course is given.

Required Reading and Additional Study Material

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

Ericson, E. & Ericson, T. *Medicinska sjukdomar*. Lund: Studentlitteratur, 2012, 752 pages.

Hokland, B. & Madsen, S. *Klinisk kemi och fysiologi*. Stockholm: Natur och kultur, latest edition, part of book 100 pages.

Läkemedelsboken. <http://www.lakemedelsboken.se>

Melhus, Å. *Klinisk mikrobiologi för sjuksköterskor*. Stockholm: Nordstedts, latest edition, part of book 170 pages.

Simonsen, T. & Aarbakke, J. *Illustrerad farmakologi 1: Principer och tillämpningar*. Stockholm: Natur och kultur, latest edition, part of book, 155 pages.

Simonsen, T. Aarbakke, J. & Hasselström, J. *Illustrerad farmakologi 2: Sjukdomar och behandling*. Stockholm: Natur och kultur, latest edition, part of book, 160 pages.

Also included are web-based material and scientific articles within the subject of

medical sciences.