



## 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 2021-10-25 by Faculty of Health and Life Sciences. Updated course literature.

The course syllabus is valid from autumn semester 2021

### **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
- 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
- Ophthalmology
- Prevention

## 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. (2012). *Patofysiologi*. Studentlitteratur, (532 p). ISBN: 9789144053479

Ericson, T., & Lind, M. (2020). *Medicinska sjukdomar*. (5. ed.). Studentlitteratur, (792 p). ISBN: 9789144133058

Hokland, B., & Madsen, S. (1997). *Klinisk kemi och fysiologi*. Natur och kultur, (192 p). ISBN: 9789127064676

Thoresen, H., & Simonsen, T. (2021). *Illustrerad farmakologi*. Studentlitteratur, (472 p). ISBN: 9789144139753

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