



## Course syllabus

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

1MC607 Anatomi, fysiologi och mikrobiologi, 15 högskolepoäng  
Anatomy, Physiology and Microbiology, 15 credits

**Main field of study**

Medical Science

**Subject Group**

Medicine

**Level of classification**

First Level

**Progression**

GIN

**Date of Ratification**

Approved by Faculty of Health and Life Sciences 2015-05-18  
The course syllabus is valid from autumn semester 2015

**Prerequisites**

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

## Objectives

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

- describe the anatomical structure of the human body
- describe and explain the human body on the basis of a fundamental physiological perspective
- describe and account for the interplay between the human body and microorganisms
- communicate medical concepts

## Content

- cells and tissue
- skeleton and muscles
- blood and immune system
- nervous system and sensory organs
- endocrine system
- the circulatory system
- the respiratory system
- the digestive system including metabolism
- the excretory system

- fluid, electrolyte and acid/base balance
- reproduction and sexuality
- microbiology, spread of contagion and nursing hygiene

## Type of Instruction

- individual studies
- studies in group
- lectures
- seminars
- laboratory work

Teaching will be carried out to some extent via LMS (Learning Management System). Obligatory elements are specified in the course schedule.

## Examination

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

The course is examined by five written examinations. In order to receive the grade of Pass, all expected learning outcomes must be achieved. For the grade Pass with Distinction is required that the final exam is assessed Pass with Distinction.

## Course Evaluation

A evaluation of the course is carried out during the implementation of the course or in close proximity to the course. Results and analysis of the course evaluation are reported to the students who had completed the course and the students who attend the next course. The course evaluation is conducted anonymously.

## Required Reading and Additional Study Material

Melhus, Å. *Klinisk mikrobiologi för sjuksköterskor*. Norstedts: Stockholm, latest edition.

Haug, E., Bjålie, J., Sand, O. & Sjaastad Ö.V. (Senaste uppl.). *Människokroppen*. Stockholm: Liber.

Vigué-Martin, J. & Dunder, K. (Senaste uppl.). *Atlas över människokroppen*. Stockholm: Liber

Also included are scientific articles.