



Course syllabus

Faculty Board of Health, Social Work and Behavioral Sciences
School of Health and Caring Sciences

1MC600 Människans anatomi och fysiologi inkl mikrobiologi I, 7,5
högskolepoäng

Human Anatomy and Physiology incl. Microbiology I, 7.5 credits

Main field of study

Medical Science

Subject Group

Medicine

Level of classification

First Level

Progression

GIN

Date of Ratification

Approved by the Board of the School of Health and Caring Sciences 2011-06-15

The course syllabus is valid from autumn semester 2011

Prerequisites

General entry requirements and Civics A, Mathematics B and Science studies B (Field-specific entry requirements 16).

Expected learning outcomes

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

- describe the anatomical structure of the human body
- describe 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

Bases on the human body in relation to the history of ideas

The human body as an anatomical and physiological whole with focus on the following aspects;

- cells and tissue
- skeleton and muscles
- blood and immune system
- nervous system and sensory organs
- endocrine system

Microbiology, spread of contagion as well as their hygienic consequences

Type of Instruction

Teaching is in the form of:

- individual work
- group work
- lectures
- seminars
- laboratory work

Teaching will be carried out to some extent via LMS (Learning Management System). The course contains training elements for the development of skills, abilities and attitudes. 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 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

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

Saladin, K.S. *Human Anatomy*. New York: McGraw-Hill, latest edition. 1)

Sand, O., Sjastaad, Q.V. & Haug, E. *Människans fysiologi*. Stockholm: Liber, latest edition. 2)

Sonesson, B. & Sonesson, G. *Anatomi och fysiologi*. Stockholm: Liber, latest edition. 1)

Tortora, G.J. & Derrickson, B.H. *Principles of Anatomy and Physiology*. New York: John Wiley & Sons Inc, latest edition. 2)

1) You can choose one of the two above mentioned books on anatomy.

2) You can choose one of the two above mentioned books on physiology.

Also included are scientific articles.