



**Karolinska
Institutet**

Course syllabus for

Anatomy and physiology 1 - Communication and movement, 8 credits

Anatomi och fysiologi 1 - Kommunikation och rörelse, 8 hp

This course syllabus is valid from autumn 2010.

Please note that the course syllabus is available in the following versions:

Autumn2010 , Autumn2011 , Autumn2012 , Autumn2014 , Autumn2015 , Autumn2016 , Autumn2018 , Autumn2021

Course code	1RS024
Course name	Anatomy and physiology 1 - Communication and movement
Credits	8 credits
Form of Education	Higher Education, study regulation 2007
Main field of study	Not applicable
Level	GX - First cycle
Grading scale	Pass with distinction, Pass, Fail
Department	Department of Clinical Science, Intervention and Technology
Decided by	Programnämnd 6
Decision date	2010-05-12
Revised by	Programnämnd 6 Biomedicinsk analytiker- och Röntgensjuksköterskeprogrammen
Last revision	2010-08-25
Course syllabus valid from	Autumn 2010

Specific entry requirements

General admission requirements.

Objectives

On completion of the course, the student should be able to: explain cell and the structure and function of tissue types. Identify and describe the structure and function of the musculoskeletal system. describe the structure and function of the nervous system and the sensory system. account for if the endocrine system basic structure and function describe the position of bodies in relation to one another and the body as a whole.

Content

The course starts with an overview of basic biochemical concepts in order to facilitate the further understanding of the function of the body. The student is trained to understand and apply basic anatomic concepts and terminology. The course also treats adequate medical terminology used in anatomic position and motion descriptions. The course takes its starting point in the structure and basic functions of the cell. Under the theme the musculoskeletal system is studied the different parts, the structure and function, and the subdivision and motion of joints of the skeleton. Here, the structure of the skeletal musculature and the structure and function of the muscle cells are also studied. Under the theme the nervous system, an overview of the central and peripheral nervous system and how these interact with one another is made. Within sensory system, pain, smell, taste, hearing, balance and the approach are studied. The theme deals with the endocrine system glands and hormones that are included in the system.

Teaching methods

The course comprises lectures, seminars, group assignments and laboratory sessions.

Examination

For a Pass grade in the course, approved participation in laboratory sessions and group work, and an approved individual written examination, are required. In consultation with the examiner of the course, the student may get a complementary assignment in case of absence from a compulsory part. The student is entitled to a total of six test occasions to get passed. In connections to the course three occasions will be given One within the course, one during the following re-examination. The third opportunity is provided before the beginning of the next semester, or in close connection to that. In some cases, it is required that the student submits an exemption application before he/she has the results of his/her latest completed examination. Three more opportunities are provided according to the same set-up when the course is given next time.

Transitional provisions

The student may be examined under a previous syllabus within a year after the date when a close-down or major changes of the course was decided.

Other directives

Course evaluation will be carried out in accordance with the guidelines established by the Board of Education at Karolinska Institutet.

Literature and other teaching aids

Feneis, Heinz

Anatomisk bildordbok

Dauber, Wolfgang

4., omarb. uppl. : Stockholm : Liber, 2001 - [8], 447 s.

ISBN:91-47-05077-2 LIBRIS-ID:8354393

[Library search](#)

Sand, olav; et al

Människokroppen : Fysiologi och anatomi

Stockholm : Liber, 2007 - 544s

ISBN:9789147084357

[Library search](#)

Lännergren, Jan

Fysiologi

4., [uppdaterade] uppl. : : Lund : Studentlitteratur, 2007, - 355 s. : ill.

ISBN:978-91-44-04775-1

[Library search](#)

Vigué, Jordi; Martín Orte, Emilio

Atlas över människokroppen

Dunder, Kristina; Ferrón, Miquel; Ferrón, Myriam

1. uppl. : Stockholm : Liber, 2006 - 164 s.

ISBN:91-47-05303-8 (inb.) LIBRIS-ID:10054018

URL: <http://www2.liber.se/bilder/omslag/100/4705303o.jpg>

[Library search](#)