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 2012.
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	Fail (U), pass (G) or pass with distinction (VG)
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	2012-05-09
Course syllabus valid from	Autumn 2012

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 endocrine system’s basic structure that is linked to the functions of the musculoskeletal and nervous system
• 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 based on on scientific grounds.

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 endocrine system deals with glands and hormones that are linked to the musculoskeletal system and nervous 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.

In consultation with the examiner of the course, the student may get a complementary assignment in case of absence from a compulsory part.

In connections to the course four occasions will be given. One within the course, three during the following re-examinations. In certain cases, it is required that the student submits an exemption application before he/she get the results of his/her latest completed examination. Two more opportunities will be provided as described above when the course is run 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