Course syllabus for

Anatomy and physiology, 15 credits

Anatomi och fysiologi, 15 hp
This course has been cancelled, for further information see Transitional provisions in the last version of the syllabus.
Please note that the course syllabus is available in the following versions:
Autumn2007 , Autumn2009 , Spring2013 , Spring2014

Course code	1AR000
Course name	Anatomy and physiology
Credits	15 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 Laboratory Medicine
Decided by	Programnämnden för arbetsterapeutprogrammet
Decision date	2007-05-28
Course syllabus valid from	Autumn 2007

Specific entry requirements

Standardised admission requirements F.1.1.

Objectives

During the course, the student should acquire knowledge in an integrated, structural and functional reasoning in the area that will be of value in the future practice as an occupational therapist. On completion of the course, the student should: 1. be able to account for the normal function of the human body and structure from tissue level to organ system level and be able to account for how different systems interact under various conditions 2 . be able to, comprehensively, account for immediate and long-term physiological effects of physical activity and inactivity 3. be able to account for the anatomy and function of the musculoskeletal system with an emphasis on the functions of the arm and the hand 4 . be able to account for the normal anatomy and physiology of the nervous system

Content

The course contains four parts treating the anatomy and physiology of the human body, from several perspectives. In the first two parts the normal anatomy and physiology of the human body are treated with a focus on effects of physical activity. In the two latter parts, the structure and function of the

locomotor system, including kinesiology, and the anatomy and physiology of the nervous system are described in detail. To some extent, anatomic and functional changes in certain diseases are also treated. Part 1: Introduction, 1.5 HE credits (Introduction) In this part, the structure and function of the human body from cell to organ level are presented at a general level . The student should, during the introductory course, acquire a holistic perspective on the human body as a basis for later course sections. Part 2: Body function and structure, 6 HE credits (Body function and structure) In this part, the students acquire basic knowledge of the normal structure and function of the human body at tissue and organ levels, and acquire an understanding of how different systems interact under various conditions. Part 3: The body function and structure of the locomotor system, 3.5 he credits (The body function and structure of the locomotor system) In this part, the student should acquire basic knowledge and understanding of the structure and function of the locomotor system with an emphasis on the functions of the arm and the hand . Part 4: The structure and function of the nervous system, 4 he credits (The structure and function of the nervous system) In this part, the student should be able to acquire basic knowledge of the normal anatomy and physiology of the nervous system, and certain common pain conditions that may occur in the clinical practice, and be able to describe how biological gender differences may be of significance for the clinical picture and rehabilitation in certain common diseases, i.a. chronic pain diseases.

Introduction, 1.5 hp

Grading scale: VU

Body function and structure, 6.0 hp

Grading scale: VU

The body function and structure of the locomotor system, 3.5 hp

Grading scale: VU

The structure and function of the nervous system, 4.0 hp

Grading scale: VU

Teaching methods

The teaching during the course is in the form of lectures, proficiency training, laboratory sessions, seminars and group assignment. See also the educational platform of the Study Programme in Occupational Therapy on the programme web page.

Examination

Part 1 Examination takes place individually in the form of a written examination. Grading scale: Pass with distinction/Pass/Fail Part 2 Examination takes place individually in the form of a written examination. Furthermore, participation in laboratory sessions, approved laboratory report, and approved group assignment, are required. Grading scale: Pass with distinction/Pass/Fail Part 3 and 4 Examination takes place individually in the form of a written examination for parts 3 and 4. Grading scale: Pass with distinction/Pass/Fail A Pass grade in the whole course (15 HE credits) requires a Pass in all parts, i.e. parts 1-4. For a Pass with distinction in the whole course, a Pass with distinction is required in at least three subparts (1-4) All examinations, seminars and laboratory sessions are compulsory. In case of absence, an agreement is made between the student and the responsible teacher concerning compensation of the absence. The examinations included in the course are conducted according to established assessment criteria. Re-examination takes place on 5 occasions at most. These are scheduled for the week before the start of the autumn semester, the week before the start of the spring semester and the week after the end of the spring semester. Any changes are posted on the course web page.

Transitional provisions

Examination will be provided during a period of 2 years after a close-down of the course or a new syllabus.

Other directives

Course evaluation Course evaluation will be carried out in accordance with the guidelines established by the Board of Education. A course report with an analysis of the results of the course evaluation will be posted on the course web page after the completion of the course evaluation.

Literature and other teaching aids

Bojsen-Møller, Finn
Rörelseapparatens anatomi
Dyhre-Poulsen, Poul

1. uppl. : Stockholm : Liber, 2000 - 381 s.
ISBN:91-47-04884-0 (inb.) LIBRIS-ID:8354323
Library search

FYSS 2008 : fysisk aktivitet i sjukdomsprevention och sjukdomsbehandling

Stockholm : Statens folkhälsoinstitut, 2008 - 613 s.
ISBN:978-91-7257-543-1 LIBRIS-ID:10734161
URL: http://www.fyss.se/
Library search

Sand, olav; et al
Människokroppen : Fysiologi och anatomi

Stockholm : Liber, 2007 - 544s
ISBN:9789147084357
Library search

Arbetsbok till Människokroppen : fysiologi och anatomi
Sjaastad, Øystein V.; Toverud, Kari C.; Junker Miranda, Ulrika

1. uppl. : Stockholm : Liber, 2003 - 189 s.
ISBN:91-47-05184-1 LIBRIS-ID:8909957
Library search

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

Netter, Frank H.
Atlas of human anatomy

3. ed. : Teterboro, N.J. : Icon Learning Systems, 2003 - 542, 48 s.
ISBN:1-929007-11-6 (hft.) LIBRIS-ID:8890723

Library search

Sobotta, Johannes

Sobotta atlas of human anatomy.n Vol. 1,p Head, Neck, Upper Limb

Putz, Reinhard; Pabst, Reinhard; Bedoui, S.

14. ed. : München : Elsevier Urban & Fischer, 2006 - 419 s.

ISBN:0-443-10348-8 (inb.) LIBRIS-ID:10138132

Library search