

Course syllabus for

From Atom to Organism, 3 credits

Från atom till organism, 3 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:

Autumn2011, Autumn2012, Autumn2013

Course code 1BA057

Course name From Atom to Organism

Credits 3 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 of Laboratory Medicine

Decided by Programnämnd 6 (Biomedicinsk analytiker- och

Röntgensjuksköterskeprogrammen)

Decision date 2011-03-17

Revised by Programnämnd 6 (Biomedicinsk analytiker- och

Röntgensjuksköterskeprogrammen)

Last revision 2012-05-09 Course syllabus valid from Autumn 2012

Objectives

The student should acquire knowledge on how different components build cells and tissues, using man as model organism, as well as understanding on how these communicates to organize, control and maintain a tissue/organism.

After passed course the student should be able to synoptically explain:

- How life started, self-organization and biological organization
- Molecular processes necessary for the life, were these take place and their basic function
- Structure and function for the cell and its organelles as well as cell events
- How tissues are organized, constructed and maintained
- The human body plan
- How diseases develop in humans (introduction to general pathology)

Content

Course code: 1BA057

During the course the student works to aquire her/his own knowledge in the field of the course from what the universe is composed of and that everything is chemistry, through the definition of life and what it consists of to the building blocks of the organism and how diseases develops in organisms.

As a help the student has access to introductory lectures, performes groupwork with other students and attends seminars with supervisor were the student meets the supervisor in smaller studentgroups to discuss information/knowledge aquired during the course. The final part of the course is a written examination.

Teaching methods

Lectures, group work and seminars with supervisor.

Examination

A written examination completes the course.

To pass the course the student need to pass the written examination and participate in compulsory moment.

In case of absence an agreement concerning compensation is made between the student and the responsible teacher. One re-examination is given in connection to the course and during a re-examination week in August. Students who have not passed the regular examination are entitled to participate in five more examinations. If the student is not approved after four examinations, he/she is recommended to retake the course at the next regular course date and may, after that, participate in two more examinations.

Transitional provisions

Examination according to this syllabus will be provided during one year after decision to abolish the course or revision of the syllabus.

Other directives

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

Literature and other teaching aids

Erlanson-Albertsson, Charlotte; Gullberg, Urban

Cellbiologi

2., [rev. och uppdaterade] uppl. : Lund : Studentlitteratur, 2007 - 350 s.

ISBN:978-91-44-04738-6 LIBRIS-ID:10532220

Library search

Lindskog, Bengt I.

Medicinsk miniordbok

Frank, Urban

6., [omarb. och utvidgade] uppl. : Stockholm : Nordiska bokh., 2003 - 492 s., xvi pl.-s. i färg ISBN:91-516-0090-0 LIBRIS-ID:9362592

Library search

Malmquist, Jörgen

Course code: 1BA057

Engelsk-svensk biomedicinsk ordbok : med svensk-engelsk ordlista

Lund: Studentlitteratur, 2006 - 244 s.

ISBN:91-44-04233-7 LIBRIS-ID:10139206

URL: Omslagsbild
Library search

Concise medical dictionary Oxford concise medical dictionary

Martin, E. A.

8. ed.: Oxford: Oxford University Press, 2010. - 832 s. ISBN:978-0-19-955714-1 (pbk.) LIBRIS-ID:11831006

Library search