Course Specifications
Valid as from the academic year 2018-2019

Functional anatomy (D001006)

Course size (nominal values; actual values may depend on programme)

Credits 6.0 Study time 180 h Contact hrs 42.5 h

Course offerings and teaching methods in academic year 2018-2019

A (semester 2) Dutch lecture 30.0 h
practicum 12.5 h

Lecturers in academic year 2018-2019

D'Herde, Katharina GE05 lecturer-in-charge
Krysko, Dmitri GE05 co-lecturer

Offered in the following programmes in 2018-2019 credits offering

Bachelor of Science in Biomedical Sciences 6 A
Preparatory Course Master of Science in Biomedical Sciences 6 A

Teaching languages

Dutch

Keywords

human body, structure-function relationships, organ systems, development, topography

Position of the course

The anatomy course is a part of the basic medical courses in the bachelor program. The main objectives are: knowledge of the structure of the organ systems in a functional context; insight into the development of the organs and organ systems in order to understand the normal anatomy of the adult as well as the congenital malformations; insight into the topographic positioning of organs in order to understand imaging of different regions of the human body.

Contents

- systematic anatomy in a functional context (cardiovascular system, respiratory system, digestive system, excretory system, genital system and endocrine system.
- the development of these organ systems
- position and topographic relations between organs; their projection on the body wall
- analysis of some sections through the head, thorax, abdomen and pelvis

Initial competences

cytology, general histology, introduction to biology and genetics, embryology and organogenesis

Final competences

1 Gain insight into the normal structure and functioning of the human body and dysfunction of organs and organ systems in order to understand biomedical research and to contribute to biomedical research.
2 Gain insight into the development of the human body and the origin and consequences of congenital malformations in order to understand biomedical research and to contribute to biomedical research.
3 Learn and acquire the skill of analytical thinking with a problem-solving orientation.
4 Understand the relevance and the societal impact and context of biomedical research.
5 Be aware of the international dimension of biomedical research.

Conditions for credit contract

Access to this course unit via a credit contract is determined after successful competences assessment

(Approved)
Conditions for exam contract

This course unit cannot be taken via an exam contract

Teaching methods
Lecture, practicum

Learning materials and price

References

Course content-related study coaching
Via final response college at the end of the course.

Evaluation methods
end-of-term evaluation and continuous assessment

Examination methods in case of periodic evaluation during the first examination period
Written examination with open questions, written examination with multiple choice questions

Examination methods in case of periodic evaluation during the second examination period
Written examination with open questions, written examination with multiple choice questions

Examination methods in case of permanent evaluation
Written examination

Possibilities of retake in case of permanent evaluation
Examination during the second examination period is possible in modified form

Extra information on the examination methods
The permanent evaluation consists of curios tests in preparation of the 5 lab sessions.

Calculation of the examination mark
The final score is made up by the score of the periodic evaluation only. This periodic evaluation consists of a written part making up 75% of the final score. The remaining 25% of the final score is obtained through a written test on identifying structures on models and cadaver specimens. In order to pass, a score of 45% for each part separately and of 50% for both parts together are required. In order to pass the course, participation to all practical exercises and a minimum score of 50% at the permanent evaluation are required. Failing for one or more of the parts will give rise to a total maximum score of 9/20 (highest failing mark) regardless of the score on the other parts.