

Anatomy of the Central Nervous System (D000564)

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

Credits 4.0 Study time 100 h Contact hrs 45.0 h

Course offerings and teaching methods in academic year 2018-2019

A (semester 1)	Dutch	lecture	35.0 h
		seminar: coached	10.0 h
		exercises	

Lecturers in academic year 2018-2019

Santens, Patrick	GE01	lecturer-in-charge
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Offered in the following programmes in 2018-2019

	crdts	offering
Bachelor of Science in Speech Language and Hearing Sciences (main subject Audiology)	4	A
Bachelor of Science in Speech Language and Hearing Sciences (main subject Logopaedics)	4	A
Linking Course Master of Science in Speech Language and Hearing Sciences (main subject Audiology)	4	A
Linking Course Master of Science in Speech Language and Hearing Sciences (main subject Logopaedics)	4	A

Teaching languages

Dutch

Keywords

Anatomy, structure, function, central nervous system, brain, brainstem, spinal cord, cerebellum

Position of the course

Acquisition of the basic knowledge of the anatomy of the central nervous system, enough to understand the significance of neurological symptoms, syndromes and diseases.

Contents

- I. Introduction : the central nervous system within the nervous system
- II. Microscopic structure of the central nervous system
- III. Development of the central nervous system
- IV. Macroscopic structure of the central nervous system
- V. Motor systems
- VI. Sensory systems
- VII. The autonomic nervous system
- VIII. Cranial nerves and their central components
- IX. The cerebral cortex and cognitive function
- X. The meninges and cerebrospinal fluid
- XI. Vascular anatomy of the central nervous system

Initial competences

1. It is recommendable to have notions of general anatomy
2. It is recommendable to have followed the course on anatomy of the cranial nerves
3. It is recommendable to have followed the course on physiology of the central nervous system

Final competences

1. Neuro-anatomy of the central nervous system, in relation to function
2. Correlation with neurological symptoms, syndromes and diseases
3. General purposes: integration and reformulation of knowledge and insights at the

interface of various domains considering the general cognitive learning outcomes related to medical and exact learning outcomes

Conditions for credit contract

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

Conditions for exam contract

This course unit cannot be taken via an exam contract

Teaching methods

Lecture, seminar: coached exercises

Extra information on the teaching methods

Classical lectures and practical exercises based on clinical cases

Learning materials and price

1. Neurowetenschappen in Taal en Spraak - boek 1 : Neuro-anatomie en neurofysiologie, P.Santens en M.De Letter, 2010, Garant/Antwerpen.
2. Course slides - Minerva

References

1. Sobotta Atlas van de Menselijke Anatomie, R. Putz en R. Pabst, 1994; Bohn Stafleu Van Loghum, Houten/Zaventem
2. Sesam Atlas van de Anatomie, W. Kahle, H. Leonhardt en W. Platzer; 1986; Bosch en Keuning, Baarn.

Course content-related study coaching

Appointment by mail patrick.santens@ugent.be

Evaluation methods

end-of-term evaluation

Examination methods in case of periodic evaluation during the first examination period

Written examination with multiple choice questions

Examination methods in case of periodic evaluation during the second examination period

Written examination with multiple choice questions

Examination methods in case of permanent evaluation

Possibilities of retake in case of permanent evaluation

not applicable

Extra information on the examination methods

- 1.Periodic evaluation
- 2.Examination procedure : multiple choice without error correction+defining anatomical structures on anatomical and radiological images

Calculation of the examination mark

Final score of the written exam: Multiple choice without error correction