Course Specifications
Valid as from the academic year 2015-2016

Capita Selecta in Medical Genetics (D000519)

Due to Covid 19, the education and evaluation methods may vary from the information displayed in the schedules and course details. Any changes will be communicated on Ufora.

Course size

<table>
<thead>
<tr>
<th>Credits</th>
<th>Study time</th>
<th>Contact hrs</th>
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<tbody>
<tr>
<td>4.0</td>
<td>120 h</td>
<td>15.0 h</td>
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</tbody>
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Course offerings and teaching methods in academic year 2020-2021

A (semester 1) Dutch Gent lecture 15.0 h

Lecturers in academic year 2020-2021

Coucke, Paul GE31 lecturer-in-charge

Offered in the following programmes in 2020-2021

| Master of Science in Speech Language and Hearing Sciences (main subject Audiology) | 4 | A |
| Master of Science in Speech Language and Hearing Sciences (main subject Audiology) | 4 | A |
| Master of Science in Speech Language and Hearing Sciences (main subject Logopaedics) | 4 | A |

Teaching languages
Dutch

Keywords
- genetics
- heredity
- genotype
- phenotype
- chromosomes

Position of the course
This course offers a background for a good grasp of genetically determined disorders and syndromes, since several of those can have an impact on speech, language and hearing.

Contents
- Introduction: from Mendel to the Human Genome Project
- Chromosomal heredity
- Genetic abnormalities of autosomes and gender chromosomes
- Monogenic heredity
- Introduction into molecular genetics
- Mutations in the human genome
- Multifactorial heredity (e.g. cleft lip & palate)
- Dysmorphology
- Microdeletion syndromes
- Congenital deformities of the face and the speech organs
- Inheritable hearing loss
- Prenatal diagnosis

Initial competences

Final competences
1. Knowledge and insights in the chromosomal genetics and related disorders.
2. Knowledge and insights in the different modes of inheritance.
3. Knowledge and insights in molecular genetics and related disorders.
4. Knowledge and insights in the genetic disorders related to speech and hearing.
5. Knowledge and insights in prenatal analysis of genetic disorders.

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

Conditions for exam contract

(Approved)
Access to this course unit via an exam contract is unrestricted

Teaching methods

Lecture

Learning materials and price

Course notes bundle, handouts from powerpoint presentations

References

Course content-related study coaching

Evaluation methods

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

Oral examination

Examination methods in case of permanent evaluation

Possibilities of retake in case of permanent evaluation

not applicable

Extra information on the examination methods

Extra assignments may be given during the course period and will weigh on the final score.
Written preparation before oral exam (second examination period)

Calculation of the examination mark

Exam results = final score, however, extra assignments may be given during the course period and will weigh on the final score.