Course Specifications
Valid as from the academic year 2015-2016

Course size
(nominal values; actual values may depend on programme)
- Credits: 3.0
- Study time: 90 h
- Contact hrs: 15.0 h

Course offerings and teaching methods in academic year 2018-2019
- A (semester 1)
- Dutch
- Lecture
- 15.0 h

Lecturers in academic year 2018-2019
- Coucke, Paul
- GE02
- Lecturer-in-charge

Offered in the following programmes in 2018-2019
- Bachelor of Science in Speech Language and Hearing Sciences (main subject Audiology)
  - 3 crdts
  - A offering
- Bachelor of Science in Speech Language and Hearing Sciences (main subject Logopaedics)
  - 3 crdts
  - A offering

Teaching languages
- Dutch

Keywords
- The human genome, inheritance patterns in humans, chromosome related deviations, monogenic syndromes with speech and hearing disorders

Position of the course
- Acquire basic knowledge on human genetics with explanation of the following aspects on bachelor level: see contents

Contents
1. DNA and the structure of the human genome
2. Monogenic and non-monogenic inheritance patterns
3. Chromosomal abnormalities
4. Definition and diagnosis of genetic syndromes with focus on genetic speech- and hearing disorders
5. Management and genetic counselling in hereditary speech and hearing problems
6. Insights in the prenatal diagnostics

Initial competences
- Level to start higher education

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

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

Conditions for exam contract
- Access to this course unit via an exam contract is unrestricted

Teaching methods
- Lecture

(Approved)
Learning materials and price

1. Notes
2. Slides, price: cost of copies +/- 80 euro

References

Course content-related study coaching
After making an appointment with the professor

Evaluation methods
end-of-term evaluation

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

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

Calculation of the examination mark
Final score on written examen (first exam period) or oral exam (second exam period)