

Vak: Preparatory Course Omics I

credits: 5

Vakcode BFVM22OMICS1
Naam Preparatory Course Omics I
Studiejaar 2022-2023
ECTS credits 5
Taal Engels
Coördinator J. Hageman

Werkvormen Hoorcollege
Toetsen TOETS-01 - Schriftelijk, organisatie
ToetsCentrum

Leeruitkomsten

The student

- can understand basic physiological processes
 - knows the core components of both prokaryotic and eukaryotic cells, knows their role in the context of cell biology
 - knows all the actors and components of the Central Dogma of Genetics and is able to describe what these are and what their role is
 - knows the types of biological sequences, their characteristics and relationships.
 - Can understand basic concepts of laboratory "omics" techniques
- Knows about the main methods used to analyse sequences (e.g. Blast, alignment, mapping)

Inhoud

The students will be introduced to basic (animal) physiology, cell biology and molecular genetics – primarily the Central Dogma. Also, the different types of biological sequences will be introduced; their properties and ways of analysing them (alignment, mapping, Blast).

Context learning line

This is one of the three optional modules of the Preparatory course. Its intended for students without a background in (molecular) life science (e.g. ICT students). The content provides a base for annotating and understanding biological data

Opgenomen in opleiding(en)

Master Data Sciences for the Life Science

School(s)

Instituut voor Life Science & Technology

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