

Course: Microbiome

credits: 5

Course code	BOVP23MDMICROBM	Modes of delivery	Assignment
Name	Microbiome		Practical / Training
Study year	2026-2027		Tutorial
ECTS credits	5	Assessments	Microbiologie incl. VMT Certificering - Other assessment
Language	Dutch, with parts in English		Wiskunde - Written, organised by STAD examinations
Coordinator	M.K.S. van Duijl		

Learning outcomes

Using clear instruction and your own work plan, you work safely in the laboratory according to VMT rules to learn aseptic work and cultivate and recognise microorganisms, and report experiments in the lab journal according to the applicable guidelines.

You give and receive peer feedback on the lab journal from a fellow student.

You correctly apply the arithmetic rules for solving second-degree equations, linear equations, equations with roots, power functions and logarithms, for describing formulas and for differentiating functions on obtained data during the practical.

You read an English-language article on the microbiome according to the instructions provided and present this article in a structured way to fellow students to delve into the basics of microbiology.

DAS competencies

Competency	Level (I-IV)
Research	I
Experimentation	I
Development	
Management	
Advise	
Instruction	I
Leadership	I
Self-management	I

Content

During the module 'microbiome' you perform the Safe Microbiological Techniques practical (3 practical days) and the E. coli practical (1 practical day). You conclude both practicals with a logbook. You discuss the VMT logs for feedback that you take into account in the concluding E. coli log.

You practise with a dataset for differentiation and create a growth curve based on the E. coli practical. Your mathematical skills are tested by means of a written test.

You and a group (3-4 students) read an English-language article that you read according to the instructions provided. You present this article to your fellow students. You give your fellow students feedback on their presentation.

Included in programme(s)

Major Medical Diagnostics

School(s)

Engineering, Life Sciences & ICT