

PhD Programme "Epidemiology", 2025/2026

Module	Type	Dates 2025/2026**	Units*/TUs***
Journal Club	Presentations by students	Monthly	Regular attention and one own presentation required (1 TU per meeting)
R Coding Club	Presentations by students and postdocs	Monthly	Regular attention and one own presentation required (1 TU per meeting)
Science Club	Presentations by students and postdocs	Monthly	Regular attention and one own presentation required (1 TU per meeting)
Outbreak & Surveillance Investigations		Every two years	tbd
Basic modules (1st year students)			
Introduction to Infectious Disease Epidemiology		Dec. 2025	2 units (4 TUs)
Regression Models		Dec. 2025	4 units (8 TUs)
Basics of Infectious Diseases		Dec. 2025	3 units (6 TUs)
Good Epidemiological Practice (GEP)		Dec. 2025	2 units (4 TUs)
Introduction Stata/R		Dec. 2025	3 units (6 TUs)
Basic concepts of probability and statistics incl. AI		Dec. 2025	2 units (4 TUs)
Qualitativ study design		Dec. 2025	1 unit (2 TUs)
Introduction to Modelling		June 2026	4 units (8 TUs)
Data Protection and Ethical Aspects of Science		June 2026	2 units (4 TUs)
Survival Analysis		June 2026	3 units (6 TUs)
How to publications		June 2026	1 unit (2 TUs)
Vaccinology		June 2026	1 unit (2 TUs)
Empirical Methods		June 2026	4 units (8 TUs)

Advanced modules (2nd / 3rd year students)			
Advanced statistical and epidemiological methods		Dec. 2025	9 units (18 TUs)
One health & climate		Dec. 2025	3 units (6 TUs)
Digital epidemiology		Dec. 2025	2 units (4 TUs)
Basics of Lab		Dec. 2025	2 unit (4 TUs)
Mixed methods		Dec. 2025	1 unit (2 TUs)
Machine Learning		June 2026	8 units (16 TUs)
Systematic Reviews und Metaanalysis		June 2026	6 units (12 TUs)
Inter-/trans-/multidisciplinary		June 2026	1 unit (2 TUs)
Population based cohorts		June 2026	1 unit (2 TUs)

* Units = 1 unit á 90 minutes. Teaching modules in the PhD Programme "Epidemiology" are usually organized as compact courses.

** Additional modules or courses may take place, depending on capacity and need.

*** TU=Teaching Unit (à 45 min)

Students enrolled in the PhD Programme "Epidemiology" and conducting their research work at the HZI are offered to attend courses and symposia organized by the HZI Graduate School.

Students of the PhD Programme "Epidemiology" are encouraged to attend courses at institutes of the MHH and of the HBRS at the MHH. Teaching units are accredited after consulting with the coordinating team and in line with the requirements of the programme.

The annual PhD retreat of the Programme "Epidemiology" is taking place annually in Braunschweig; the next meeting is scheduled for Summer 2026.