



Doctoral Programme in Epidemiology - courses spring semester 2024

Courses are given on four levels (1-4), from introductory to more advanced.

Epidemiology I: Introduction to epidemiology (level 1)

Dates: 2024-01-29--2024-02-07, 1.5 HEC, course code 3041

The aim of the course is to give an introduction to epidemiological theory and practice.

Course leader: Zheng Chang

Biostatistics III: Survival analysis for epidemiologists (level 3)

Dates: 2024-02-05--2024-02-14, 1.5 HEC, course code 3142

This course focuses on the application of survival analysis methods to epidemiological studies.

The statistical software Stata will be used in the course.

Course leader: Therese M-L Andersson

Introduction to R (level 2)

Dates: 2024-03-11--2024-03-22, 1.5 HEC, course code 2958

The purpose of this course is to introduce students to using the R statistical software to perform basic to intermediate statistical data analysis in a replicable manner.

Course leader: Alexander Ploner

Causal inference: emulating a target trial to assess comparative effectiveness (level 3)

Dates: 2024-04-02--2024-04-05, 1.5 HEC, course code 3046

This course focuses on a general framework for the assessment of comparative effectiveness and safety research, which can be applied to both observational data and randomized trials.

Course leader: Anthony Matthews

Biostatistics I: Introduction for epidemiologists (level 1)

Dates: 2024-04-10--2024-04-30, 3.0 HEC, course code 3042

The aim is to introduce classical statistical concepts and methods with emphasis on methods for continuous outcome data

Course leader: Matteo Bottai

Biostatistics II: Logistic regression for epidemiologists (level 2)

Dates: 2024-05-13--2024-05-17, 1.5 HEC, course code 5519

The course introduces statistical methods for the analysis of categorical outcome data.

Course leader: Rino Bellocco



Fundamentals of statistical modeling (level 4)

Dates: 2024-05-13--2024-05-17, 1.5 HEC, course code 2959

The purpose of this advanced course is to provide an introduction to the tools of statistical modeling.

Course leader: Matteo Bottai

Epidemiology III. Analysis and interpretation of epidemiological data (level 3)

Dates: 2024-05-23--2024-05-31, 1.5 HEC, course code 3129

The purpose of the course is to familiarise the student with principles for epidemiological data analysis and critical interpretation of study results.

Course leader: Anita Berglund

Epidemiology II. Design of epidemiological studies (level 2)

Dates: 2024-06-03--2024-06-12, 1.5 HEC, course code 3138

The course focuses on key considerations in designing and critically interpreting different types of case-control studies, as well as matching in cohort and case-control studies.

Course leader: Karin Leander