Doctoral Programme in Epidemiology - courses fall semester 2022

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

Fundamentals of Stata Language (level 1)
Dates: 2022-09-12--2022-09-16, 1.5 HEC, course code 5315
This course aims at introducing students to the fundamental elements of the statistical software Stata. Motivating examples arising from health-related research will be used to demonstrate how to use the programming language. Learning activities will give students the possibility to learn Stata the hard yet easier way – that is – problem, code, and run.
Course leader: Nicola Orsini

Biostatistics II: Logistic regression for epidemiologists (level 2)
Dates: 2022-09-19--2022-09-23, 1.5 HEC, course code 5314
The course introduces statistical methods for the analysis of categorical outcome data.
Course leader: Nicola Orsini

Epidemiology I: Introduction to epidemiology (level 1)
Dates: 2022-09-26--2022-10-05, 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

Fundamentals of Python language for researchers in medical science (level 3)
Dates: 2022-10-17--2022-10-21, 1.5 HEC, course code 5316
This course aims at introducing students to the fundamental elements of the Python programming language. Motivating examples arising from health-related research will be used to demonstrate how to use the programming language to answer a variety of relevant questions. Learning activities will give students the possibility to learn Python the hard yet easier way – that is – problem, code, and run.
Course leader: Nicola Orsini

Causal inference for epidemiological research (level 3)
Dates: 2022-10-24--2022-10-28, 1.5 HEC, course code 2416
This course aims to present causal theory and introduces how concepts and methods can be understood within a general methodological framework.
Course leader: Arvid Sjölander

Biostatistics III: Survival analysis for epidemiologists (level 3)
Dates: 2022-11-07--2022-11-16, 1.5 HEC, course code 2992
This course focuses on the application of survival analysis methods to epidemiological studies.
Course leader: Mark Clements

Extensions to the design and analysis of controlled epidemiological studies (level 4)
Dates: 2022-11-16--2022-11-25, 1.5 HEC, course code 5577
This course aims to enable practicing epidemiologists to make more efficient use of already-available epidemiological data, and to design studies that are more efficient and that will extend possibilities for future analysis.
Course leader: Marie Reilly

Advanced course in SAS programming for health care data (level 3)
Dates: 2022-11-28--2022-12-02, 1.5 HEC, course code 2868
The purpose of this course is to give students with prior experience in SAS the foundation needed to work independently with large data bases in SAS, performing the data management needed for observational studies from for instance a register linkage.
Course leader: Thomas Frisell

Epidemiology II. Design of epidemiological studies (level 2)
Dates: 2022-12-05--2022-12-14, 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