



Doctoral Programme in Epidemiology - courses fall semester 2017

Application can be done through the course catalogue between 2017-04-13 and 2017-05-15

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

Applied longitudinal data analysis (level 4)

Dates: 2017-09-05—2017-09-13, 2.5 HEC, course code 2798

The course gives an introduction to modern methods for the analysis of longitudinal and repeated measures studies which are commonly used in epidemiological studies and in clinical trials.

Course leader: Nicholas P. Jewell, University of California, Berkeley

Introduction to Stata for epidemiologists (level 1)

Dates: 2017-09-14—2017-09-15, 1.0 HEC, course code 2796

This course aims at introducing students to the basics of the statistical software Stata. It focuses on the minimum set of commands students should know for data-management, data-reporting, graphics and basic use of do-files.

Course leader: Nicola Orsini

Biostatistics I: Introduction for epidemiologists (level 1)

Dates: 2017-09-20—2017-10-12, 3.0 HEC, course code 1579

The aim is to introduce classical statistical concepts and methods with emphasis on methods used in epidemiology and public health.

Course leader: Yudi Pawitan

Cardiovascular epidemiology (level 1)

Dates: 2017-09-25—2017-09-29, 1.5 HEC, course code 2154

This course focuses on the application of epidemiological study designs to understand and evaluate risk factors for common cardiovascular diseases.

Course leader: Bruna Gigante

Infectious disease epidemiology (level 2)

Dates: 2017-10-16—2017-10-20, 1.5 HEC, course code 2135

This course is intended for students who already have good knowledge of general epidemiology, but who want to learn more about the specific concepts, methods and problems of the epidemiology of infectious diseases which can sometimes be quite different.

Course leader: Johan Giesecke

Design and analysis of twin and family-based studies (level 4)

Dates: 2017-10-23—2017-10-27, 1.5 HEC, course code 2893

This course focuses on potential designs and analyses using twin- and family-data. Methods to estimate within-family associations and heritability are covered.

Course leader: Ralf Kuja-Halkola. Several teachers, among all Brian D'Onofrio, Indiana University



Epidemiology I: Introduction to epidemiology (level 1)

Dates: 2017-10-23—2017-11-01, 1.5 HEC, course code 1577

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

Course leader: Karin Leander

Biostatistics II: Logistic regression for epidemiologists (level 2)

Dates: 2017-10-23—2017-11-02, 2.0 HEC, course code 2797

This course focuses on the application of linear and logistic regression in the analysis of epidemiological studies.

Course leader: Nicola Orsini

Biostatistics III: Survival analysis for epidemiologists (level 3)

Dates: 2017-11-13—2017-11-21, 1.5 HEC, course code 2992

This course focuses on the application of survival analysis methods to epidemiological studies, using the free statistical software R.

Course leader: Mark Clements

Extensions to the design and analysis of case-control studies (level 4)

Dates: 2017-11-22—2017-12-01, 1.5 HEC, course code 2991

This course aims to enable practicing epidemiologists to make more efficient use of already-available case-control data and to design case-control studies that will extend the possibilities for future analysis.

Course leader: Marie Reilly

Epidemiology II. Design of epidemiological studies (level 2)

Dates: 2017-11-23—2017-12-01, 1.5 HEC, course code 1622

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

Advanced course in SAS programming for health care data (level 3)

Dates: 2017-12-04—2017-12-08, 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

Multivariate prediction modelling with applications in precision medicine (level 4)

Dates: 2017-12-11—2017-12-15, 1.5 HEC, course code 2990

This course aims to provide an introduction to both supervised and unsupervised methodologies for prediction modelling with a focus on biomedical applications, molecular epidemiology and personalised medicine.

Course leaders: Mattias Rantalainen and Martin Eklund