

## Clinical Epidemiology: From Theory to Applications

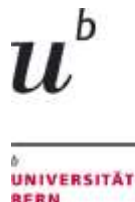
<b>Facilitator</b>	<b>Prof. Albert Hofman</b> , MD, PhD Chair, Department of Epidemiology Harvard T.H. Chan School of Public Health Boston, MA, USA
<b>Description</b>	This course builds upon the previous course “Fundamental Concepts in Epidemiology” by Prof. Albert Hofman (Nov. 2018, Bern) and will provide an orientation to clinical research from a quantitative and epidemiological viewpoint. The various study designs and major issues in the validity of clinical epidemiologic studies will be reviewed in more detail. The emphasis will be on recent developments in epidemiologic methods for clinical research. Advances in the design of clinical trials will be discussed. The application of novel causal inference methods and the use of instrumental variables will be addressed.
<b>Objectives</b>	The purpose of this class is to deepen knowledge of the principles and methods of epidemiology for quantitative clinical research to demonstrate their applicability in research in clinical medicine, and to demonstrate their relations with public health research.
<b>Dates</b>	<b>Oct, Tue 22- Fri 25, 2019</b>
<b>Eligibility</b>	Epidemiologists, clinicians interested in research, public health scientists with an interest in clinical medicine and practice. Participants who attended the course “Fundamental Concepts in Epidemiology” are invited to register in this new course as well.
<b>Course Structure</b>	The course includes both didactic interactive lectures as well as discussions and workshops. The workshops will provide the opportunity to discuss, in greater depth, the principles covered in the lectures.

### SSPH+PhD Program:

Program Coordination	Ann Walser
Academic Lead	Prof. Matthias Egger Prof. Thomas Abel

### Contact:

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## PhD Program in Public Health

<b>Assessment</b>	Daily quizzes, final test on day 4										
<b>Credits</b>	<b>2 ECTS</b> Preparation Work: 8 h, Contact: 4x6 h, home-work during the course: 12 h (1 ECTS corresponds to appr. 25-30 hours workload)										
<b>Location</b>	University Bern, room tbd										
<b>Course Fees</b>	<table><tr><td>SSPH+ PhD Students</td><td>30.- CHF</td></tr><tr><td>PPHS PhD Students</td><td>30.- CHF</td></tr><tr><td>External MD/PhD Students</td><td>600.- CHF</td></tr><tr><td>External Academics</td><td>1700.- CHF</td></tr><tr><td>Other Participants</td><td>2500.- CHF</td></tr></table> <p>(The cost scheme depends on the Number of ECTS. Per ECTS participants are asked to pay 300,- CHF, 850,- CHF or 1250,-CHF, respectively)</p>	SSPH+ PhD Students	30.- CHF	PPHS PhD Students	30.- CHF	External MD/PhD Students	600.- CHF	External Academics	1700.- CHF	Other Participants	2500.- CHF
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<b>Registration</b>	<a href="#">Please register online on our website</a>										
<b>Deadline</b>	<b>Sep 22, 2019</b>										

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