

Fundamental Concepts in Epidemiology

Facilitator

Prof. Albert Hofman, MD, PhD
Head Department of Epidemiology
Harvard T.H. Chan School of Public Health
Boston, MA, USA

Description

This course will provide an orientation to health and medical research from a quantitative and epidemiological viewpoint. It will give an introduction to the design of public health and clinical research, and it will discuss measures of disease frequency and association, and the validity of research in medicine. The course will discuss recent developments in epidemiologic methods for public health and clinical research. It will review the various study designs and major issues in the validity of epidemiologic studies. It will give an overview of elements of epidemiologic data-analysis.

Objectives

The purpose of this introductory class is to discuss the principles and methods of epidemiology for quantitative health research; to demonstrate their applicability in research in public health and clinical medicine; and to demonstrate the interrelations of public health and clinical research.

Dates

Nov 2018, Tue 27 – Fri 30

Eligibility

Epidemiologists, clinicians interested in research, public health scientists with an interest in public health or clinical medicine or both.

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

Course Structure	The course includes both didactic interactive lectures as well as exercises and practicals. The exercises will provide the opportunity to discuss, in greater depth, the principles covered in the lectures.										
Assessment	Daily quizzes, final test on day 4										
Credits	2 ECTS Preparation Work: 8 h, Contact: 4x6 h, home-work during the course: 12 h (1 ECTS corresponds to appr. 25-30 hours workload)										
Location	University Bern, Hallerstrasse 6, 3012 Bern, Room: 203/205										
Course Fees	<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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Registration	Please register online on our website										
Deadline	Oct 27, 2018										

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