Fundamental Concepts in Epidemiology

Facilitator
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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.
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**
ISPM Bern, Mittelstrasse 43, 3012 Bern, Room: tba

**Course Fees**
- SSPH+ PhD Students: 0.- CHF
- PPHS PhD Students: 0.- CHF
- External MD/PhD Students: 600.- CHF
- External Academics: 1700. - CHF
- Industry: 2500. - CHF
(The cost scheme depends on the Number of ECTS. Per ECTS participants are asked to pay 300.- CHF, 850.- CHF or 1250.-CHF, respectively)

**Registration**
Please register online on our website

**Deadline**
Oct 27, 2018

**SSPH+ PhD Program:**
- **Program Coordination**: Ann Walser
- **Academic Lead**: Prof. Matthias Egger, Prof. Thomas Abel

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