



Epidemiology **A.B.C.** – where **A**dvanced and **B**asic epidemiology **C**onvene

For students of University of Geneva

January 18 - 20, 2016

Course description

Faculty

Dr. Nadia Elia, MD, MSc Epidemiology, FMH in Public Health

Institute of Global Health, School of Medicine, University of Geneva

Professor Emiliano Albanese, MD, PhD, MPH

Department of Psychiatry and Institute of Global Health, School of Medicine, University of Geneva

Place

CH – 3823 Wengen | SWITZERLAND

Hotel Sunstar (see map on <http://www.epi-winterschool.org/hotels>)

Introduction

Epidemiology is the cornerstone of public health and mastering basic epidemiological concepts and methods is essential for conducting good quality research in this and other biomedical fields.

In this course we will illustrate and exemplify the basic theory and the key concepts of epidemiological methods including study designs, measurements, and inference, as well as the methods and practical tools of critical appraisal and quantitative synthesis of scientific evidence.

Hands-on, highly interactive sessions will allow participants to acquire and apply epidemiological concepts and tools.

To take full advantage of the exceptionally stimulating atmosphere of the Wengen Winter School, we will make direct conceptual and practical links with the topics covered in the other courses, and facilitate and stimulate the interaction with their teachers and participants.

This course is primarily conceived for those who are starting a PhD program in the field of public and global health and who may have limited training and education in epidemiology, or are willing to refresh their epidemiological skills. However, clinicians, health workers, researchers and scientists who would like to acquire an initial, formal training in basic epidemiology in a very stimulating environment are more than welcome too.

Contact:

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Course objectives	<p>By the end of this course participants should be able to:</p> <ul style="list-style-type: none"> • Define epidemiology and its scopes and be familiar with its terminology • Understand the strengths and weaknesses of the epidemiologic study designs and of their uses • Understand and interpret measures of occurrences and measures of association • Understand the concepts of bias, confounding and chance and of their implications in causal inference • Be able to critically appraise original scientific papers
What you have to bring	<p>Participants will need to bring their personal laptop (Win or MAC), and make sure to have their Office package installed; RevMan 5 will also be installed and used for some practical exercises. Participants are also encouraged to propose and bring along original papers to be critically appraised and discussed.</p>
Outline of course	<p>This is a 3-day course. We'll use the same format as all other courses, which means that during the long break from 12h to 17h participants will have the opportunity to interact, discuss and study while on the slopes.</p> <p>Morning sessions (from 8h30 to 12h) will cover the basic concepts and knowledge in epidemiology using frontal lectures, discussion sessions and short exercises.</p> <p>Afternoon sessions (from 17h to 19h) will be hands-on sessions designed to let epidemiologic concepts sediment while acquiring practical skills. Through the use and application of selected tools and practical methods basic and advanced epidemiology in Wengen will convene.</p>
Credit	1.5 ECTS
Maximum number of participants	The maximum number of participants on this course will be 14.
Course fee	<p>Academic: CHF 900</p> <p>Industry: CHF 1800</p>
Registration	<p>Registration on the Winter School website www.epi-winterschool.org.</p> <p>This course is reserved for students of University of Geneva, Institute of Global Health. External persons interested to participate please contact winterschool@ispm.unibe.ch</p>
Course hotels	<p>The participants have to book their accommodation themselves (see map and recommendation on www.epi-winterschool.org/hotels).</p>