

INFORMATION

Enrolment is open for

Professionals and researchers from both developed and developing countries with backgrounds in demography, geography, climatology, economics, epidemiology, statistics, public health and other relevant subjects.

Prerequisites

A diploma (Bachelor or Master) in Health, Geography and related subjects with basic knowledge in statistics, geomatics and epidemiology.

Tuition

The tuition of enrolment for the International Summer School is 500/270 Euro. Postgraduate or doctoral students including the participants from developing countries pay the lower price. The tuition includes instruction, course materials, and the use of computer centre facilities.

Application

The number of participants is restricted to 30 persons. You are encouraged to bindingly apply as soon as possible including payment of registration fee.

Location

Bielefeld University
School of Public Health
P.O. Box 10 01 31, Universitätsstr. 25
D-33501 Bielefeld, Germany

CONTACT

Programme Directors

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Coordination

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Application form and further information:

<http://www.uni-bielefeld.de/gesundhw/ag2/summerschoolmc/>

International Summer School 2010

Spatial Epidemiology in Megacities: Health, Climate Change and Geospatial Modelling

September 13-17, 2010



The "International Summer School 2010" is an advanced training course of the Institute for Innovation Transfer at the University of Bielefeld GmbH (IIT) in cooperation with the Faculty of Health Sciences, University of Bielefeld.
Academic Advisor: Prof. Dr. Alexander Krämer
Supervisory Board: Prof. Dr. h.c. Helmut Steiner (Chairman)
Managing Director: Dipl.-Soz. Ludwig Pleus
Company Registry HRB 35308, Amtsgericht Bielefeld,
VAT-Id. DE 176 214836

OBJECTIVES

The International Summer School Programme "Spatial Epidemiology in Megacities: Health, Climate Change and Geospatial Modelling" is combined with the well-established course on infectious disease epidemiology (IDE) (website: <http://www.uni-bielefeld.de/gesundhw/ag2/summerschoolide>) to improve the knowledge about geo-statistical and epidemiological methods for controlling the predominant health problems of the 21st century.

The course will focus on various dimensions of environment and health in megacities, such as megacity development and challenges, epidemiological transitions, epidemiologic methods, burden of diseases, health determinants, geo-statistical and geospatial analysis, and climate change. The aim is to combine theoretical and lab work on statistical/epidemiological and spatially explicit techniques in a transdisciplinary approach.

Our participants will be enabled

- to understand the multidisciplinary of the problems and their linkages in megacities;
- to learn about epidemiological transitions in megacities;
- to apply commonly used statistical and geo-statistical techniques in health sciences and geography;
- to work more effectively in collaboration with other disciplines for investigating the existing problems in megacities and
- to develop sustainable strategies for the improvement of living conditions of megacity populations.

PROGRAMME

- Megacities: concepts, development, driving forces and prospects
- Megacities, challenges, and emerging diseases, epidemiological transitions
- Epidemiological methods, bias and confounding
- Climate impact and other environmental stressors in megacities
- Satellite data to assess the urban environment
- Geographic Information Systems (GIS) and geospatial analyses in megacities
- Statistical, geo-statistical and spatial modelling
- Modelling the health impact of a changing environment
- Urban planning and infrastructure in megacities

Announcement

Please note that you may also apply for International Summer School

Health Issues in Humanitarian Crises

7th-11th September 2010

http://iph-partnership.org/index.php?title=IPH_International_Summer_School

LIST OF LECTURERS

Volker Kreibich, PhD
Department of Geography and Development
Planning and Management
Faculty of Spatial Planning
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Jürgen Kropp, PhD
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Alexander Kraemer, MD, PhD
Md. Mobarak Hossain Khan, PhD
Paulo Pinheiro, PhD
Department of Public Health Medicine
School of Public Health
Bielefeld University, Germany

Teaching methods

The course contains introductory lectures, computer classes, individual consultation and assignments. Teaching language is English.

Certificate

All participants who successfully complete the programme will be awarded a certificate issued by the Department of Geography, Humboldt University, Berlin and the Department of Public Health Medicine, the School of Public Health, University of Bielefeld, to be used for further qualification in the relevant fields. In addition a certificate for 3 ECTS points is issued on demand.