

Information

Enrolment is open for

- Professionals in health departments, other health agencies and industry, and health professionals like physicians, microbiologists and epidemiologists
- Public Health experts and Public Health students including PhD, MSc and BSc students

Prerequisites

Basic knowledge in epidemiology.

Teaching

The course comprises conceptual and topic specific lectures, computer classes, individual consultation and assignments. Teaching language is English.

Tuition

The tuition of enrolment for the International Summer School is 500/270 Euro. Postgraduate or doctoral students and participants from developing countries pay the lower fee. 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 the tuition fee.

Location

University of Bielefeld

School of Public Health

P.O. Box 10 01 31, Universitätsstr. 25

D-33501 Bielefeld, Germany

Contact

Programme Directors

Prof. Dr. Alexander Krämer

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Application form and further information:

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

The "International Summer School 2014" 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



Burden of Infectious Diseases

Epidemiology, Population
Health, and Mathematical
Modelling

16th International Summer School

September 22-26, 2014

University of Bielefeld



Objectives

The International Summer School Programme Infectious Disease Epidemiology (IDE) focusses on statistical and epidemiological methods for controlling predominant health problems of the 21st century. Among the structural determinants of infectious diseases are population growth, mobility and migration, urbanization, poverty, climate and environmental change and insufficient health care systems, which will deteriorate further with the financial crisis, political unrest and unforeseen weather events, in many parts of the world. The course will teach specific statistical methods in order to detect, and adequately respond to global and local health problems. The course will introduce methods from the field of burden of disease research and focus on the use of population health measures such as the disability-adjusted life year to estimate the disease burden of infectious diseases.

The IDE course will provide a deep understanding of the special IDE concepts and methods. The participants will be enabled to manage an outbreak, to correctly create and interpret surveillance data, and to perform simple and advanced mathematical modelling for the spread of IDs as well as to use basic health economic evaluations. They will also learn to conduct burden of disease studies and to interpret the findings of such assessments. In addition they will know how to apply the learned concepts and methods to actual global and local public health challenges.

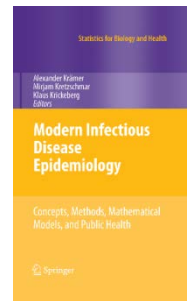
Certificate

All participants who successfully complete the programme will be awarded a certificate issued by the School of Public Health, University of Bielefeld, to be used for further qualification in infectious diseases, epidemiology or public health. In addition 3 ECTS points are provided on demand.

The IDE programme is certified by the Ärztekammer Westfalen-Lippe for continuing education.

Programme

- Modern epidemiological methods for infectious diseases
- Burden of Disease
- Mathematical modelling
- Practical courses
- Surveillance and outbreak investigations
- Impact of climate and environmental change on infectious diseases
- Dengue
- Tuberculosis



Modern Infectious Disease Epidemiology – Concepts, Methods, Mathematical Models, and Public Health

Krämer, A; Kretzschmar, M; Krickeberg, K (eds.)
Springer, 2010, 443 p.
ISBN 978-0-387-93834-9

Announcement

Please note that the International Summer School

Spatial Epidemiology and Climate Change: Concepts and Modelling

September 22-26, 2014

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

will be offered in parallel as an alternative.

List of lecturers

Dr. Oliver Gruebner
Columbia University, US

Dr. Mobarak Hossain Khan
Department of Public Health Medicine
School of Public Health
University of Bielefeld, Germany

Prof. Dr. Alexander Krämer
Department of Public Health Medicine
School of Public Health
University of Bielefeld, Germany

Moritz Krämer
University of Oxford, UK

Dr. Mirjam Kretzschmar
University Medical Center, Utrecht and Center for Infectious Disease Control, RIVM, The Netherlands

Prof. Dr. Tobia Lakes
Humboldt-Universität zu Berlin, Germany

Dr. Scott McDonald
Center for Infectious Disease Control, RIVM, The Netherlands

Prof. Dr. Rafael Mikolajczyk
Helmholtz Centre for Infection Research
Braunschweig, Germany

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Prof. Dr. Ralf Reintjes
University of Applied Sciences Hamburg, Germany

Prof. Dr. Dr. Timo Ulrichs
Koch-Metchnikov Forum, Berlin, Germany