



Ulm University, Germany

*24th International Summer
School of Epidemiology
at Ulm University*



Institute of Epidemiology
& Medical Biometry
July 22 – July 26, 2013

The program is geared to persons with interest in the fields of epidemiology and public health. Professionals, scientists and students working in clinical medicine, epidemiology, public health, social insurance, health policy or health administration are welcome. All courses will be held in English.

Course Outline

Morning sessions (parallel):

1. Introduction to Epidemiology

Wayne Rosamond

University of North Carolina at Chapel Hill, NC, USA

2. Analyses of Case-Control Data

David Richardson

University of North Carolina at Chapel Hill, NC, USA

Afternoon sessions (parallel):

3. Design and Analysis of Randomized Controlled Trials

Shrikant Bangdiwala

University of North Carolina at Chapel Hill, NC, USA

4. Clinical Epidemiology

William Miller

University of North Carolina at Chapel Hill, NC, USA

Participants may choose one course from the morning sessions and one course from the afternoon sessions. Participants will receive a certificate after successful completion of a course.

Course Descriptions

1. Introduction to Epidemiology

Instructor:
Wayne Rosamond

This course covers a broad range of basic principles related to conducting and interpreting epidemiologic studies. Topics include study design issues, measuring disease occurrence, evaluating and controlling for bias, controlling confounding by stratification, measuring interaction and making causal inferences. Students will also be refining their skills in critical evaluation of epidemiologic literature. Class sessions will be part lecture and part group discussion of published works from a variety of topical areas.

Textbook recommendation:
K. J. Rothman
Epidemiology: An Introduction
Oxford University Press, 2002

2. Analyses of Case-Control Data

Instructor:
David Richardson

This course focuses on analyses of data derived from case-control study designs. Topics covered will include interpretation of logistic regression model fittings to case-control data, matched case-control studies, classical methods of analysis of matched data, conditional logistic regression models for sparse strata, nested case control studies and analyses of time-related explanatory variables. Class sessions will be lectures with discussion encouraged.

Textbook recommendation:
K. J. Rothman, S. Greenland
Modern Epidemiology, Third Edition

3. Design and Analysis of Randomized Controlled Trials

Instructor:
Shrikant Bangdiwala

This course provides a systematic overview of the principles of controlled intervention studies, from ‘explanatory’ Phase-III medication-based treatment clinical trials to ‘pragmatic’ behavioral community-based prevention intervention studies. The focus will be on chronic diseases such as cardiovascular disease and obesity. Methodological topics covered include aspects of design (e. g. superiority, equivalence or non-inferiority hypotheses, randomization alternatives, sample size and power considerations, concealment), implementation (e. g. data management, quality assurance, monitoring boards) and analysis (e. g. intent-to-treat principle, residual confounding, subgroup analyses, group sequential stopping rules). Class sessions will include lectures and discussions of published trials.

4. Clinical Epidemiology

Instructor:
William Miller

This course will address a variety of topics in the field of clinical epidemiology. The course will be offered in a modular format and will address the following issues:

- 1) Diagnostic test use and evaluation including bias in the diagnostic study design (2 days)
- 2) Clinical trials
- 3) Introduction to survival analysis and logistic regression
- 4) Scientific writing for publication

Sessions will use both didactic and problem-based format.

Dates: July 22 – July 26, 2013
Monday – Thursday: 09.00 am – 12.15 pm
01.15 pm – 04.30 pm
Friday: 09.00 am – 11.00 am
11.15 am – 01.15 pm

Every day there is one coffee break in the morning and one in the afternoon.

Location: Ulm University / Helmholtzstraße 22 / 89081 Ulm

Fees: € 500.00 per course
€ 400.00 per course for members of the German Epidemiological Association (DG-Epi)
€ 250.00 per course for employees of Ulm University and students

Fellowships: A limited number of fellowships is available for participants from low income countries.
Deadline for fellowship applications: April 15, 2013

Number of Participants: Limited to a maximum of 28 participants per course

Application: Please use the enclosed application form

Deadline: June 30, 2013

Program Director: Prof. Dr. med. Dietrich Rothenbacher, MPH

Coordinator at the School of Public Health,
University of North Carolina at Chapel Hill: Prof. Gerardo Heiss, PhD

For further information please contact: Nicole Kroll / Ulm University
Institute of Epidemiology & Medical Biometry
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In cooperation with
the University of North Carolina at Chapel Hill, North Carolina, USA
and
the International Center for Advanced Studies in Health Sciences and Services (ICAS)
at Ulm University
and
the International Graduate School in Molecular Medicine Ulm
at Ulm University
and
with support of the Pharmacia-Foundation for Preventive Medicine and Epidemiology

Application form

24th International Summer School of Epidemiology at Ulm University July 22 – July 26, 2013

Male: ___ Female: ___ Nationality: _____
Family name, degree: _____
First name: _____
Present occupation: _____
Address: _____

Phone: _____
Fax: _____
Email: _____
How did you learn about our courses? _____

Status:

- | | |
|---|---|
| <input type="checkbox"/> Regular application | <input type="checkbox"/> Employee of Ulm University |
| <input type="checkbox"/> Member of the German
Epidemiological Association (DG-Epi) | <input type="checkbox"/> Student |
| | <input type="checkbox"/> Fellowship Applicant |

I would like to register for the following course(s):

- | | |
|---|---|
| Morning, 9:00 am - 12:15 pm
(select one course) | <input type="checkbox"/> Course 1: Introduction to Epidemiology
<input type="checkbox"/> Course 2: Analyses of Case-Control Data |
| Afternoon, 1:15 pm – 4:30 pm
(select one course) | <input type="checkbox"/> Course 3: Design and Analysis of
Randomized Controlled Trials
<input type="checkbox"/> Course 4: Clinical Epidemiology |

Place and Date

Signature

Deadline for application:

June 30, 2013

Please return to:

Nicole Kroll
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Ulm University
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nicole.kroll@uni-ulm.de