



Ulm University, Germany

*27th International Summer
School of Epidemiology
5th German Collaborative Summer
School in Epidemiology
at Ulm University*



Institute of Epidemiology
& Medical Biometry
July 18 – 22, 2016

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. Survival Analysis Methods for Epidemiologic Studies

Steve Marshall

UNC Gillings School of Global Public Health at Chapel Hill, NC, USA

2. Scientific Writing

William Miller

UNC Gillings School of Global Public Health at Chapel Hill, NC, USA

Afternoon sessions (parallel):

3. Introduction to Clinical Research Practice and Methodology

Laura Loehr

UNC Gillings School of Global Public Health at Chapel Hill, NC, USA

4. Cancer Epidemiology

Hazel Nichols

UNC Gillings School of Global Public Health 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 (compulsory attendance every course day).

Course Descriptions

1. Survival Analysis Methods for Epidemiologic Studies

Instructor:
Steve Marshall

Survival methods are the preferred method for epidemiologists interested in analysis methods that explicitly model the occurrence of events in time. Survival analyses were developed to account for censoring and time-to-event data, which are ubiquitous in prospective cohort studies with varying length of observation time and loss to follow-up. This short course begins with fundamental concepts of survival, hazard and cumulative hazard before introducing Kaplan-Meier curves and Log-Rank tests. Next we introduce the Cox model, examine the effect of ties and unpack the partial likelihood estimation method. Next are time interactions and counting process type models, which provide a rich set of tools for modeling time-dependent variables and time-dependent effects in epidemiology. The course closes with recurrent event models and models for missing data and competing risks. The material is illustrated with several data examples, including a short set of homework exercises using public use data files. No prior knowledge of survival methods is required.

2. Scientific Writing

Instructor:
William Miller

This course will include didactic and workshop activities to improve scientific writing. The primary focus will be manuscripts for publication; grant proposal development will be addressed briefly. Course content will include content and structure of epidemiological and clinical research papers, improving communication through writing, common mistakes, the journal editorial process and manuscript reviews. Most sessions will include active writing exercises. On some days, students will be asked to complete short assignments (approx. 20 to 30 minutes) after class. Persons with manuscripts (or other scientific work) in process will have the opportunity to improve their work through group activities.

3. Introduction to Clinical Research Practice and Methodology

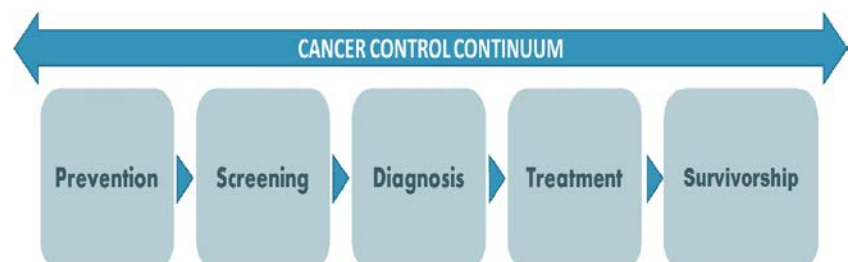
Instructor:
Laura Loehr

This course will provide an overview of clinical research methodology. The following topics will be covered: How to choose a research question, introduction to research terminology, study designs and working with methodologists. In addition, good clinical research practice methods will be discussed including development of a manual of operations and protocol, selection and recruitment of study participants, study measurement, designing and testing questionnaires, data and specimen management, tracking of study operations, participant safety, participant follow-up, study endpoints, quality control, quality assurance and data integrity.

4. Cancer Epidemiology

Instructor:
Hazel Nichols

The cancer control continuum describes opportunities to reduce the burden of cancer from etiology and prevention through post-diagnosis survivorship and end-of-life care. This course will use this framework to address the design and interpretation of epidemiologic research across the continuum. Throughout the course, we will review and critique data sources, study designs and strategies for mitigating bias that are common to cancer epidemiology studies using current examples. Class sessions will include lectures, group discussions and exercises intended for a multi-disciplinary audience of clinicians, epidemiologists, health services researchers and other public health professionals.



Dates: July 18 – 22, 2016
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 are two coffee breaks, one in the morning and one in the afternoon (Friday: one break).

Location: Ulm University / Helmholtzstraße 22 / 89081 Ulm

Fees: €575.00 per course (€1,150.00 for two courses)

€ 400.00 per course for members of the German Epidemiological Association (DGepi) (€ 800.00 for two courses)

€275.00 per course for employees of Ulm University and students (€550.00 for two courses)

€ 10.00 per course material as hardcopy (course materials in electronic form included in course fees)

Fellowships: A limited number of fellowships is available for participants from low income countries.
Deadline for fellowship applications: April 07, 2016

Number of Participants: Limited to a maximum of 25 participants per course

Application: Please use the enclosed application form

Deadline: June 30, 2016

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
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www.uni-ulm.de/med/epidemiologie-biometrie.html

In cooperation with
the UNC Gillings School of Global Public Health
at Chapel Hill, North Carolina, USA
and
the International Graduate School in Molecular Medicine
at Ulm University, Germany
and
the German Society for Epidemiology, Germany.

Application form

27th International Summer School of Epidemiology at Ulm University July 18 – 22, 2016

Male: ___ Female: ___ Nationality: _____

Family name, degree: _____

First name: _____

Present occupation: _____

Address: _____

Phone: _____

Fax: _____

Email: _____

How did you learn about our courses? _____

Your course material: Electronically: _____ Hard copy (€10,00): _____

Status:

Regular application

Employee of Ulm University

Member of the German

Student

Epidemiological Association (DGepi)

Fellowship Applicant

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

Morning, 9:00 am – 12:15 pm
(select one course)

Course 1: Survival Analysis Methods for
Epidemiologic Studies

Course 2: Scientific Writing

Afternoon, 1:15 pm – 4:30 pm
(select one course)

Course 3: Introduction to Clinical Research
Practice and Methodology

Course 4: Cancer Epidemiology

Place and Date

Signature

Deadline for application:

June 30, 2016

Please return to:

Nicole Kroll
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Ulm University, Helmholtzstraße 22, D – 89081 Ulm
nicole.kroll@uni-ulm.de