



Ulm University, Germany

*34th International Summer
School of Epidemiology
11th German Collaborative Summer
School in Epidemiology
at Ulm University*



Institute of Epidemiology
& Medical Biometry
July 20 – 24, 2026

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 Epidemiologic Principles and Causal Inference

Caroline A. Thompson

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

2. Advanced Epidemiologic Analysis of Time-To-Event-Data

Jessie K. Edwards

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

Afternoon sessions (parallel):

3. Scientific Writing

Bill Miller

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

4. Advanced Methods in Clinical Epidemiology

Sonia Napravnik

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).



In cooperation with the UNC Gillings School of Global Public Health at Chapel Hill, North Carolina, USA.
Supported by the German Society for Epidemiology (DGEpi) and the German Center for Child and Adolescent Health (DZKJ).

Course Descriptions

1. Introduction to Epidemiologic Principles and Causal Inference

Instructor:

Caroline A. Thompson

How do we know what causes disease? This course develops students' ability to critically evaluate causal claims in health research — a skill essential for anyone who reads, produces or acts on health evidence. Using causal inference as a unifying framework, students will be introduced to the core principles of epidemiology: how disease occurrence is measured, how study designs enable (or undermine) causal conclusions and how bias threatens the validity of health research. By the end of the course, students will be equipped to ask sharper questions of the evidence they encounter, whether in scientific literature, policy documents or public health practice.

2. Advanced Epidemiologic Analysis of Time-To-Event-Data

Instructor:

Jessie K. Edwards

This course covers epidemiologic analysis of time-to-event data and emphasizes weighing threats to the accuracy of inferences. Also known as "survival analysis", analysis of time-to-event data considers the length of time until a health outcome and is therefore useful when the timing of outcomes is of interest. Such analyses also enable inference in settings where participants may enter a study late or leave a study early. This course includes modules on describing events in time, working with open cohorts with late entry and loss to follow up, and estimating associations and causal parameters in open cohorts. The second half of the course addresses methods to account for common sources of bias in these settings, including selection bias, confounding, missing data and generalizability bias.

3. Scientific Writing

Instructor:
Bill Miller

As researchers, we are professional writers. But many (most?) of us don't enjoy the process. Writing is often a difficult part of our job. It doesn't have to be that way. In this course, we will explore elements of scientific writing, focusing primarily on manuscripts. We will provide structure and guidance to enhance your productivity. Topics will include manuscript structure, writing concisely and clearly, strategies to get your writing done, the editorial and review process and oral presentations. The concepts will be presented and reinforced with both lectures and exercises. We will devote some time to peer review of participants' manuscripts in progress with instructor guidance. All participants are welcome, whether or not they are actively working on a manuscript.

4. Advanced Methods in Clinical Epidemiology

Instructor:
Sonia Napravnik

This course introduces key advanced techniques in clinical epidemiology. It will cover registry-based randomized clinical trials, using real-world evidence integration including target trial emulation and diagnostic testing for evaluating clinical tests. It will also introduce predictive analytics, including statistical and machine learning models for outcome prediction and their integration into clinical decision support tools. The course will be offered in a modular format and sessions will include didactic interactive lectures and problem-based discussions.

Dates: July 20 – 24, 2026
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: € 600.00 per course (€ 1,200.00 for two courses)

€ 400.00 per course for persons coming from the DGEpi or the DZKJ (€ 800.00 for two courses)

€ 300.00 per course for employees of Ulm University and students (€ 600.00 for two courses)

Fellowships: A limited number of fellowships is available for participants from low-income countries.
Deadline for fellowship applications: April 30, 2026

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

Application: Please use the enclosed application form

Deadline: June 30, 2026

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

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

For further information, please contact: Nicole Kroll / Ulm University
Institute of Epidemiology & Medical Biometry
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<https://www.uni-ulm.de/med/epidemiologie-biometrie/>

Application form

International Summer School of Epidemiology at Ulm University July 20 – 24, 2026

Male: ___ Female: ___ Nationality: _____

Family name, degree: _____

First name: _____

Present occupation: _____

Address: _____

Phone: _____

E-Mail: _____

How did you learn about our courses? _____

Status:

- | | |
|--|---|
| <input type="checkbox"/> Regular application | <input type="checkbox"/> Employee of Ulm University |
| <input type="checkbox"/> Persons coming from the DGEpi | <input type="checkbox"/> Student (everywhere) |
| <input type="checkbox"/> Persons coming from the DZKJ | <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)

- Course 1: Introduction to Epidemiologic Principles and Causal Inference
- Course 2: Advanced Epidemiologic Analysis of Time-To-Event-Data

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

- Course 3: Scientific Writing
- Course 4: Advanced Methods in Clinical Epidemiology

Place and Date

Signature

Deadline for application:

June 30, 2026

Please return to:

Nicole Kroll, nicole.kroll@uni-ulm.de
Institute of Epidemiology & Medical Biometry
Ulm University, Helmholtzstraße 22, D – 89081 Ulm