Epidemiology I

Core Course

Course Directors: Karel G.M. Moons, PhD
Professor of Clinical Epidemiology
University Medical Center, Utrecht
Julius Center Research Program Methodology

Adjunct Professor
Department of Biostatistics
Vanderbilt University School of Medicine

Sjoerd Elias, MD, PhD
Assistant Professor of Clinical Epidemiology
University Medical Center, Utrecht
Julius Center Research Program Cancer

Fall [4 hours credit] Moons

The course will provide an introduction to the principles of the design and analyses of evidence based clinical studies. The course will cover the concept of causation versus prediction, the design of (clinical) epidemiological research, measures of disease frequency and association, validity issues including confounding, and the generalizability of research to practice. Subsequently the course addresses in more detail the design and analysis of diagnostic, prognostic, therapeutic, and etiologic (side effects) research.

Texts & Reading:

Recommended: Clinical Epidemiology, by Diederick E. Grobbee and Arno.