

University of Pretoria Yearbook 2017

Environmental epidemiology 870 (EOM 870)

Qualification	Postgraduate
Faculty	Faculty of Health Sciences
Module credits	10.00
Prerequisites	HME 870, BOS 870
Contact time	16 lectures per week, 1 practical per week
Language of tuition	Module is presented in English
Academic organisation	School of Health Syst & Public
Period of presentation	Year

Module content

This module is an introduction of the various types of epidemiological study designs that are applied in the investigation of the association between environmental exposures and health outcomes. Apart from the classical epidemiological study designs (cross-sectional, case-control and cohort designs that are introduced in HME 870), other study designs such as the time-series, case-crossover, panel, spatial, genetic and molecular study designs are introduced and discussed. The statistical techniques that are applied in the time-series, case-crossover, panel, spatial, genetic and molecular study designs are discussed as well as the implication of random and systematic errors in exposure/health assessment on the measures of associations; hence a basic biostatistics vocabulary (introduced in BOS 870) is required.

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