

COURSE DETAIL

INTRODUCTION TO EPIDEMIOLOGY AND PUBLIC HEALTH

Country

Netherlands

Host Institution

Wageningen University and Research Center

Program(s)

Wageningen University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Health Sciences

UCEAP Course Number

100

UCEAP Course Suffix**UCEAP Official Title**

INTRODUCTION TO EPIDEMIOLOGY AND PUBLIC HEALTH

UCEAP Transcript Title

EPIDEMIOLOGY&HEALTH

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

This course teaches the basic concepts, measures, and study designs used in epidemiology and public health. This course includes lectures by epidemiologists working in the field, and ICT-based modules to practice knowledge on study design, standardization, and calculations of basic epidemiological and public health measures. After successful completion of this course, students are able to describe the fields of epidemiology and public health and the work of scientists in these fields; describe the spread of disease worldwide, time trends in prevalence and incidence, disease processes including the role of age and sex, and risk factors of major global diseases, such as cardiometabolic diseases, infectious diseases, cancer, and diseases of the brain; calculate and interpret basic measures used in epidemiology and public health; understand basic study designs used in epidemiology and public health and indicate major advantages and disadvantages of various study designs, including ecological studies, cross-sectional studies, cohort studies, case-control studies, and randomized control trials; explain the difference between internal and external validity of epidemiological findings; understand internal validity issues, i.e., selection bias, information bias, and confounding; and have basic insight into how validity issues can affect the results when using a cohort study, case-control study, and randomized controlled trial.

Language(s) of Instruction

English

Host Institution Course Number

HNE-24806

Host Institution Course Title

INTRODUCTION TO EPIDEMIOLOGY AND PUBLIC HEALTH

Host Institution Campus

Nutrition and Health

Host Institution Faculty

Host Institution Degree

Host Institution Department

Human Nutrition

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