

# Department of Epidemiology and Population Health

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The Department of Epidemiology and Population Health offers required and elective courses to undergraduate students in the Faculty of Health Sciences. The courses introduce students to the basis of Epidemiology and Biostatistics, Survey Methods, and Population Health.

## **EPHD 203                      Epidemiology and Biostatistics                      2.2; 3 cr.**

An introductory course offered to undergraduates on the basic principles of epidemiology and biostatistics. This course introduces students to the types and sources of data in measuring population health, the different epidemiological study designs, and exploratory data analysis. Furthermore it introduces students to inferential statistical methods commonly used in the biological and health sciences. This course includes both theory and applications in the form of discussions and lab sessions, and introduces students to basic skills in the use of the statistical package SPSS.

## **EPHD 213                      Survey Methods                      2.2; 3 cr.**

A course that covers basic principles of survey methodology, and enables the student to design and execute a survey research study. Topics covered include formulation of research questions and objectives, sampling and survey designs, question and questionnaire design for different types of survey topics, data collection techniques, analysis and interpretation of survey data, and research ethics.

## **EPHD 227                      Population and Development                      2.1; 3 cr.**

A course designed to introduce students to important demographic concepts and which aims to enable them to analyze how population trends have consequences for society, the environment and public health. Special emphasis will be placed on the Middle East and North Africa, examining issues such as changes in marriage, the family and in age-structures and why these are important in the region.