Department of Epidemiology and Population Health

Chairperson: Chaaya, Monique
Professors: Chaaya, Monique; DeJong, Jocelyn; Makhlof Obermeyer, Carla; Sibai, Abla; Zurayk, Huda
Professor of Public Health Practice: Myntti, Cynthia
Assistant Professors: Al-Dewachi, Omar; Ghandour, Lilian; Jaffa, Miran
Assistant Research Professors: Mohamed Fouad, Mohamed Fouad; Ghattas, Hala
Senior Lecturer: Adib, Salim
Instructor: El Khalil, Asmar

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 epidemiological data, common measures of morbidity and mortality, and the design and analysis of various epidemiological study designs. The course also covers exploratory data analysis, and 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 discussion of practice questions, and computer lab sessions, which introduce students to basic skills in the use of the statistical package SPSS.

EPHD 203A Biases in Epidemiology 1.0; 1 cr.
In this introductory course, students will be exposed to all potential types and sources of bias in epidemiological research and ways to avoid them. These concepts will be illustrated using published articles. The class will engage the students in team activities, and group discussion. Corequisite EPHD 203.

EPHD 213 Survey Methods 1.2; 2 cr.
A course that covers the basic principles of survey methodology, and enables the student to design and execute a survey research study. The course covers the 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. Prerequisite: EPHD 203, or an introductory biostatistics, or consent of instructor.

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.

* Part-time