

3.0 credits

20.0 h + 20.0 h

Teacher(s) :	Speybroeck Niko ;
Language :	Français
Place of the course	Bruxelles Woluwe
Main themes :	1. Introduction : a. Brief historical review of epidemiology : health, determinant of health, and basic methods to study it 2. Basic concepts in epidemiology : a. Normality and pathological state in epidemiology b. The natural history of the disease c. Causality in epidemiology 3. Measures of frequencies in epidemiology : a. Types of frequencies measures b. Prevalence and incidence c. Measures of morbidity and mortality d. Relations between frequencies measures e. Basic demographic indicators used in health 4. Measures of effects in epidemiology a. Association measures b. Impact measures 5. Sources of information in epidemiology a. General principles: Inference, precision et validity + confounding or modification factors b. General typology of studies in epidemiology c. Descriptive studies including bias d. Analytical studies including bias
Aims :	To understand basic concept and methodological approach in epidemiology To know elementary methods in epidemiology Be able to apply epidemiological approach in decision making <i>The contribution of this Teaching Unit to the development and command of the skills and learning outcomes of the programme(s) can be accessed at the end of this sheet, in the section entitled "Programmes/courses offering this Teaching Unit".</i>
Content :	The course is mainly organized through theoretical lectures illustrated by examples. It is completed by practical exercises solved in class, a syllabus with references for complementary bibliography. Student is invited to discover basic notions and use it to solve concrete problems.
Other infos :	Evaluation method : Written exam Support et references : Syllabus, presentations and bibliographic material available on e-campus.
Cycle and year of study :	> Certificat universitaire en statistique > Advanced Master in Public Health: Health and Development > Master [120] in Statistics: Biostatistics > Master [120] in Population and Development Studies
Faculty or entity in charge:	FSP