

5.00 credits

45.0 h + 10.0 h

Q1

Teacher(s)	Henrard Séverine (coordinator) ;Masquelier Bruno ;
Language :	French
Place of the course	Bruxelles Woluwe
Learning outcomes	
Evaluation methods	The evaluation will consist of: <ul style="list-style-type: none"> • For the module on epidemiology: realisation of the course exercises on Moodle and of the individual, group work during the course (for 2/20) and a written exam (for 11/20) • For the module on demography: a written exam (for 7/20)
Teaching methods	The course will involve lectures illustrated with concrete examples from the scientific literature. It will be accompanied by exercises and the review of a scientific epidemiological paper in english.
Content	Content for the epidemiology module : <ul style="list-style-type: none"> • Introduction to epidemiology: history of epidemiology, definition and components • Natural history of a disease, causality and causal reasoning • Epidemiological observation: data sources, types of variables • Frequency measures in epidemiology: indicators of morbidity, mortality and standardization • Types of studies in epidemiology • Measures of effect in epidemiology: association measures and impact measures • Bias in epidemiology, including diagnostic tests and introduction to multivariable models Content for the demography module: <ul style="list-style-type: none"> • The age and sex composition of the population and the components of population dynamics, • Sources of demographic data • Demographic and epidemiological transitions • Tools for mortality analysis • Population aging and population projections
Bibliography	Livres disponibles à la Bibliothèque / Books available at the Library: <ul style="list-style-type: none"> • T. Ancelle. Statistique épidémiologie. 4me éd. Maloine 2017 • T. Ancelle. Statistique et épidémiologie : 100 exercices corrigés – Etudiants et professionnels en sciences de la santé. Maloine 2016
Faculty or entity in charge	FSP

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Master [120] in Public Health	ESP2M	5		