

5.00 credits

45.0 h + 10.0 h

Q1

Teacher(s)	Henrard Séverine (coordinator) ;Masquelier Bruno ;
Language :	French > English-friendly
Place of the course	Bruxelles Woluwe
Learning outcomes	
Evaluation methods	The evaluation will consist of a written exam (For the module on epidemiology : 13/20 ; For the module on demography : 7/20).
Teaching methods	The course will involve lectures illustrated with concrete examples from the scientific literature, and will be accompanied by exercises.
Content	<p>Content for the epidemiology module :</p> <ul style="list-style-type: none"> <li>• Introduction to epidemiology: history of epidemiology, definition and components</li> <li>• Natural history of a disease, causality and causal reasoning</li> <li>• Epidemiological observation: data sources, types of variables</li> <li>• Frequency measures in epidemiology: indicators of morbidity, mortality and standardization</li> <li>• Types of studies in epidemiology</li> <li>• Measures of effect in epidemiology: association measures and impact measures</li> <li>• Bias in epidemiology, including diagnostic tests and introduction to multivariable models</li> </ul> <p>Content for the demography module:</p> <ul style="list-style-type: none"> <li>• The age and sex composition of the population and the components of population dynamics,</li> <li>• Sources of demographic data</li> <li>• Demographic and epidemiological transitions</li> <li>• Tools for mortality analysis</li> <li>• Population aging and population projections</li> </ul>
Inline resources	See the Moodle course
Bibliography	<p>Livres disponibles à la Bibliothèque / Books available at the Library:</p> <ul style="list-style-type: none"> <li>• T. Ancelle. Statistique épidémiologie. 4me éd. Maloine 2017</li> <li>• T. Ancelle. Statistique et épidémiologie : 100 exercices corrigés – Etudiants et professionnels en sciences de la santé. Maloine 2016</li> </ul>
Faculty or entity in charge	FSP

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