

In view of the health context linked to the spread of the coronavirus, the methods of organisation and evaluation of the learning units could be adapted in different situations; these possible new methods have been - or will be - communicated by the teachers to the students.

5 credits

35.0 h + 20.0 h

Q2

Teacher(s)	Speybroeck Niko ;
Language :	French
Place of the course	Bruxelles Woluwe
Main themes	<p>The course will be divided into two large sections: statistics and epidemiology.</p> <p><u>Statistics</u>: Subjects covered: descriptive statistics (variables, statistical measures, distributions), estimation (statistical measures, parameter estimation), statistical test (principles, practical use of statistical tests), introduction to regression models.</p> <p><u>Epidemiology</u>: Subjects covered: introduction to epidemiology, measures in epidemiology, types of epidemiological studies, measures of effects and population impacts, standardisation of rates, bias evaluation, causality concept, technique performances.</p>
Aims	<p>1 Introduction to the basics of common statistical methods and initiation in the principles and basic methods of epidemiology.</p> <p>----</p> <p>2 To be able to make relevant choices of statistical methods for a concrete public health or medical problem and in understanding the results.</p> <p>----</p> <p>3 To be able to read and to include/understand epidemiologic and statistical aspects of public health publications in a critical way.</p> <p>----</p> <p>----</p> <p><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></p>
Teaching methods	<p>Due to the COVID-19 crisis, the information in this section is particularly likely to change.</p> <p>The lectures will be illustrated by concrete cases extracted from literature. Sessions of exercises will go along with the lectures</p>
Content	<p>Statistics : " descriptive statistics (variables, statistical measures, distributions), " estimation (statistical measures, parameter estimation), " statistical test (principles, practical use of statistical tests), " introduction to regression models.</p> <p>Epidemiology : " introduction to epidemiology, " measures in epidemiology, " types of epidemiological studies, " measures of effects and population impacts, " standardisation of rates, " bias evaluation, " causality concept, " performance of a technique.</p>
Bibliography	Statistique/épidémiologie " T. Ancelle; collection " Sciences fondamentales "; éditions Maloine, Paris (2002).
Faculty or entity in charge	FSP

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Aims
Advanced Master in Occupational Medicine	MDTR2MC	5		