


2 credits

20.0 h

Q2

Teacher(s)	Speybroeck Niko coordinator ;
Language :	French
Place of the course	Bruxelles Woluwe
Main themes	<p>1. Introduction: Brief review of the history of epidemiology: health, health determinants, and basic methods.</p> <p>2. Basic concepts in epidemiology:</p> <ul style="list-style-type: none"> a) Normality and pathological state in epidemiology b) The natural history of the disease c) Causality and causal reasoning in epidemiology. <p>3. Frequency measures in epidemiology:</p> <ul style="list-style-type: none"> a) Types of frequency measures b) Prevalence and incidence c) Measures of morbidity and mortality d) Relationship between frequency measures e) Basic demographic indicators used in health. <p>4. Measures of effect in epidemiology:</p> <ul style="list-style-type: none"> a) Association measures b) Impact measures. <p>5. Sources of information in epidemiology:</p> <ul style="list-style-type: none"> a) General principles: Inference, precision and validity, confounding and/or modification effect b) General typology of studies in epidemiology c) Descriptive studies including bias <p>Analytical studies including bias.</p>
Aims	<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>
Evaluation methods	Evaluation method: written exam.
Content	The course is mainly organized around theoretical lectures illustrated by examples. It is completed by practical exercises solved at home. Solutions to the exercises will be uploaded in iCampus after being discussed in class. Students are invited to discover basic notions and use it to solve concrete problems.
Bibliography	Supports du cours (diapositives) disponibles sur Moodle Livre qui sert de support au cours : Statistique épidémiologie de Thierry Ancelle (3 ^{ème} édition) (éditeur : Maloine) Vidéos du Professeur Thierry Ancelle disponibles sur youtube (Méthodes en épidémiologie : https://www.youtube.com/playlist?list=PLDtut0doG41ZH8owcjsxvSYgNq2vkw92tH)
Faculty or entity in charge	SBIM

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Aims
	WFARR100P	2		
Additional module in Pharmacy	WFARM100P	2		