UCL Université catholique de Louvain

WMD1200T
2014-2015

Eléments d'épidémiologie (théorie)

2.0 credits	20.0 h	2q

Teacher(s) :	
Language :	Français
Place of the course	Bruxelles Woluwe
Main themes :	1. Introduction: Brief review of the history of epidemiology: health, health determinants, and basic methods. 2. Basic concepts in epidemiology: a) Normality and pathological state in epidemiology b) The natural history of the disease c) Causality and causal reasoning in epidemiology. 3. Frequency measures in epidemiology: 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. 4. Measures of effect in epidemiology: a) Association measures b) Impact measures. 5. Sources of information in epidemiology: a) General principles: Inference, precision and validity, confounding and/or modification effect b) General typology of studies in epidemiology c) Descriptive studies including bias Analytical studies including bias.
Aims :	To understand the basic concepts and the methodological approaches used in epidemiology To master elementary methods required in epidemiology Be able to apply the epidemiological approach in the practice of public health. *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".*
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 :	Support and references: Syllabus and presentations will be made available on iCampus.
Cycle and year of study :	> Bachelor in Pharmacy
Faculty or entity in charge:	FARM