UCL Université catholique de Louvain

WSDEV2102

2015-2016

Epidemiology

3.0 credits	20.0 h + 20.0 h	1q

Teacher(s) :	Speybroeck Niko ;
Language :	Français
Place of the course	Bruxelles Woluwe
Main themes :	1. Introduction : a. Breah historical review of epidemiology : health, determinant of health, and basic methods to study it 2. Basic concepts in epidemiology : a. Normality and pathological state in epidemiology b. The natural history of the disease c. Causality in epidemiology 3. Measures of frequencies in epidemiology : a. Types of frequencies measures b. Prevalence and incidence c. Measures of morbidity and mortality d. Relations between frequencies measures e. Basic demographic indicators used in health 4. Measures of effects in epidemiology a. Association measures b. Impact measures 5. Sources of information in epidemiology a. General principles: Inference, precision et validity + confounding or modification factors b. General typology of studies in epidemiology c. Descriptive studies including bias d. Analytical studies including bias
Aims :	To understand basic concept and methodological approach in epidemiology To know elementary methods in epidemiology Be able to apply epidemiological approach in decision making *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".*
Content :	The course is mainly organized through theoretical lectures illustrated by examples. It is completed by practical exercises solved in class, a syllabus with references for complementary bibliography. Student is invited to discover basic notions and use it to solve concrete problems.
Other infos :	Evaluation method : Written exam Support et references : Syllabus, presentations and bibliographic material available on e-campus.
Faculty or entity in charge:	FSP

Programmes / formations proposant cette unité d'enseignement (UE)				
Intitulé du programme	Sigle	Credits	Prerequis	Acquis d'apprentissage
	STAT9CE	3	-	
Master [120] in Population and Development Studies	SPED2M	3	-	
Master [120] in Statistics: Biostatistics	BSTA2M	3	-	
	STAT2FC	3	-	