UCL Université catholique de Louvain

WMD1106

2015-2016

ORGANIC CHEMISTRY

9.0 credits	60.0 h + 30.0 h	2q

Teacher(s) :	Riant Olivier (coordinator) ; Ayadim Mohamed ; Singleton Michael ;
Language :	Français
Place of the course	Bruxelles Woluwe
Main themes :	The formation is oriented towards problems solving. Formal lessons are given and activities in small groups are organized where organic chemistry problems are worked out. The topics covered are molecular structures, stereochemistry, properties of the chemical bond and physico-chemical characteristics as well as reactivity of the main functional groups, using the basic concepts of thermodynamics and kinetics. Reference book : Organic Chemistry : Structure and Function, K. Peter, C. Vollhardt, Neil E. Schore, W.H. Freeman and co., New York.
Aims :	The aim of the course is to give a basic knowledge of organic chemistry to student oriented towards life sciences. With these lessons, the students should acquire a sound idea of what carbon-derived molecules are and how they behave. They should be able to use in a proper fashion the basic notions of molecular structure, reactivity, thermodynamics and kinetics, applied to organic chemistry. At the end of half an academic year, typical problems of a first year college chemistry course, related to structure and reactivity of organic molecules, have to be mastered. *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 :	This course corresponds to a typical first year organic chemistry course of an anglo-saxon college.
Bibliography :	Reference book : Organic Chemistry : Structure and Function, K. Peter, C. Vollhardt, Neil E. Schore, W.H. Freeman and co., New York.
Faculty or entity in charge:	MED

Programmes / formations proposant cette unité d'enseignement (UE)				
Intitulé du programme	Sigle	Credits	Prerequis	Acquis d'apprentissage
Bachelor in Biomedicine	SBIM1BA	9	-	
Bachelor in Pharmacy	FARM1BA	9	-	