LCHM1243

2015-2016

Introduction to organic chemistry and to biochemistry

5.0 credits	22.5 h + 22.5 h	2q

Teacher(s) :	Gnagnarella Agnès ; Morsomme Pierre ;
Language :	Français
Place of the course	Louvain-la-Neuve
Main themes :	1. Main classes of organic molecules - description, functional groups and reactivity - physico-chemical properties (acidity, boiling points,) - introduction to isomerism (conformation, configuration, stereoisomerism) - applications : petroleum derivatives, polymers, biological molecules 2. Biomolecules - carbohydrates - lipids - DNA, RNA - peptides and proteins - enzymatic catalysis (selected example : chymotrypsin)
Aims :	The main objective of the course is to teach students the essential aspects of the chemistry of the living world. *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".*
Other infos :	- lectures : 22,5h - laboratories : 12h (4 x 3h) - exercises : 10,5h (7 x 1,5h)
Faculty or entity in charge:	PHYS

Programmes / formations proposant cette unité d'enseignement (UE)				
Intitulé du programme	Sigle	Credits	Prerequis	Acquis d'apprentissage
Additionnal module in Physics	LPHYS100P	5	-	
Minor in Scientific Culture	LCUSC100I	5	-	