UCL Université catholique de Louvain

LCHM1271

2015-2016

Elements of biochemistry

4.0 credits	30.0 h + 24.0 h	1q

Teacher(s) :	Soumillion Patrice ;
Language :	Français
Place of the course	Louvain-la-Neuve
Prerequisites :	*The prerequisite(s) for this Teaching Unit (Unité d'enseignement – UE) for the programmes/courses that offer this Teaching Unit are specified at the end of this sheet.*
Main themes :	Introduction to basic molecules of biochemistry. 1. Amino acids and proteins 2. Carbohydrates 3. Lipids and biological membranes 4. Nucleic acids Function of bio molecules. 1. Structure of proteins 2. Enzymes Notions of molecular biochemistry - Replication of DNA - Transcription of DNA into RNA - Nucleic acid-protein complexes - Biosynthesis of proteins The practical work illusrates the properties of the main classes of biomolecules studied in the theoretical course and initiatee students to a certain number of techniques used currently in biochemistry.
Aims :	The objective is to introduce students to the structure of biomolecules and their function as well as, from a biochemical view, molecular biology. The course contains : a theoretical part aimed at presenting the basic concepts of biochemistry ; practical exercises aimed at illustrating the notions seen in the theoretical part. *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".*
Faculty or entity in charge:	CHIM

Programmes / formations proposant cette unité d'enseignement (UE)				
Intitulé du programme	Sigle	Credits	Prerequis	Acquis d'apprentissage
Bachelor in Chemistry	CHIM1BA	4	LCHM1111 **and** LCHM1141	