UCL Université catholique de Louvain

LIEPR1001

2015-2016

General chemistry and biomolecules

5.0 credits	30.0 h + 15.0 h	1q

Teacher(s) :	Henriet Patrick ;
Language :	Français
Place of the course	Louvain-la-Neuve
Main themes :	The major themes are : - atomic and molecular structure of the living matter - fundamental principles for the transformation of the living matter
Aims :	By the end of the module, students should understand the essential notions in general chemistry and should know the structure and properties of the principal biomolecules underlying human physiology. This knowledge is required for the further understanding of cell biology, biochemistry and exercice physiology. Moreover, it will be helpful in justifying professional educational and re-educational actions. *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 :	(auteur - titulaire actuel) : Y. Eeckhout => P. Henriet 1. INTRODUCTION : AIMS, OBJECTIVES AND METHODOLOGY 2. BASIC NOTIONS : MATTER AND ENERGY 3. ELEMENTARY CONSTITUANTS : ATOMS AND MOLECULES 4. ELEMENT PROPERTIES AND ATOM STRUCTURE 5. CHEMICAL BOND AND MOLECULAR STRUCTURE ET STRUCTURE DES MOLECULES 6. CHEMICAL REACTION 7. WATER AND pH 8. CARBON COMPOUNDS AND ORGANIC FUNCTIONS 9. BIOLOGICAL MACROMOLECULES AND THEIR MONOMERS
Other infos :	Pré-requis Evaluation Examen écrit ou oral et/ou éléments d'évaluation continue Support Syllabus et/ou livre(s) Encadrement Titulaire(s) et/ou assistant(s), aidé(s) éventuellement par étudiant(s) moniteur(s) Autres
Faculty or entity in charge:	FSM

Programmes / formations proposant cette unité d'enseignement (UE)

Intitulé du programme	Sigle	Credits	Prerequis	Acquis d'apprentissage
Master [120] in Environmental Science and Management	ENVI2M	5	-	
Master [60] in Environmental Science and Management	ENVI2M1	5	-	
Bachelor in Physiotherapy and Rehabilitation	KINE1BA	5	-	
Bachelor in Motor skills : General	EDPH1BA	5	-	