


4 credits

30.0 h + 15.0 h

Q2

Teacher(s)	Ghislain Michel ;Larondelle Yvan ;Soumillion Patrice ;
Language :	French
Place of the course	Louvain-la-Neuve
Prerequisites	<i>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.</i>
Main themes	Main themes to cover : Introduction to metabolism Bioenergetics Biochemical transport phenomenon Main metabolic ways : Glycolysis and hexose catabolism Metabolism of glycogen and glycconeogenesis Oxidation of fatty acids and biosynthesis of lipids Krebs cycle Electron transport, oxidative phosphorylation Metabolism of amino acids, nucleotides and linked molecules. Main ways of regulation. The exercises are divided into two complementary parts : One, followed in the case of CHIM BAC, consists of practical work on a specific question in biochemistry. The other, for all, consists of preparing, presenting and discussing, in groups, a question linked to a biochemical problem, but voluntarily carrying onto other disciplines of life sciences.
Aims	<i>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".</i>
Bibliography	<ul style="list-style-type: none"> <li>• Lehninger Principles of biochemistry 5th edition</li> </ul> Le cours ne fait appel à aucun support particulier qui serait payant et jugé obligatoire. L'ouvrage Lehninger Principles of biochemistry est conseillé à titre facultatif pour un apprentissage plus approfondi
Faculty or entity in charge	CHIM

<b>Programmes containing this learning unit (UE)</b>				
Program title	Acronym	Credits	Prerequisite	Aims
Bachelor in Veterinary Medicine	VETE1BA	4	LBIO1111 AND LCHM1141A	
Bachelor in Biology	BIOL1BA	4	LBIO1111 AND LCHM1111B AND LCHM1141A	