


9 credits

60.0 h + 30.0 h

Q1

Teacher(s)	Rider Mark coordinator ; Singleton Michael ; Vlad Alexandru ;
Language :	French
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 numerical chemistry problems are worked out. The topics covered are atomic, ionic and molecular properties, conservation of matter, gas properties, reactivity, thermodynamics, equilibria in aqueous solution and kinetics.
Aims	<p>The aim of the course is to give a basic knowledge of general chemistry to students oriented towards life sciences. With these lessons, the students should acquire a sound idea of what atoms and 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. At the end of half an academic year, typical numerical problems of a first year college chemistry course have to be mastered.</p> <p>1</p> <p>-----</p> <p><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></p>
Content	This course corresponds to a typical first year general chemistry course of an anglo-saxon college.
Bibliography	<p>Livres de référence :</p> <ul style="list-style-type: none"> • Atkins, Jones, Principes de Chimie (de boek, 2ème/3ème édition) • Chimie des Solutions, Kotz, Treichel Jr, de boek/Beauchemin • Ayadim, Habib-Jiwan, Chimie Générale Edition : UCL press Universitaires de Louvain-DUC- 2013. • Voir aussi www.deboek.com et www.lachimie.org (site très utile pour travailler son cours).
Faculty or entity in charge	MED

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Aims
Bachelor in Biomedicine	SBIM1BA	9		
Bachelor in Pharmacy	FARM1BA	9		