

5.00 credits

30.0 h + 30.0 h

Q1

Teacher(s)	Glinel Karine ;Luis Alconero Patricia ;Norberg Valérie ;Pouyez Jenny ;
Language :	French
Place of the course	Charleroi
Learning outcomes	
Evaluation methods	<p>Students are evaluated on the basis of:</p> <ol style="list-style-type: none"> <li>1) their work during the quarter and</li> <li>2) a final exam.</li> </ol> <p>The final grade will be based on:</p> <ul style="list-style-type: none"> <li>- a written or oral exam at the end of the semester which will count for 80% of the final grade</li> <li>- two laboratory reports which will count for 20% of the final grade</li> </ul> <p>A written quiz during the quarter may allow to be exempted from a part of the questions of the final exam if the mark obtained for this quiz is equal to or higher than 13/20. The parts of the course covered by this exemption will be communicated to the concerned students after the quiz.</p> <p>Participation in the practical works and test organized during the course is mandatory.</p>
Teaching methods	<p>The course is based on :</p> <ul style="list-style-type: none"> <li>- Lectures given in person and/or by video-conference</li> <li>- video clips describing some concepts covered during the course</li> <li>- exercise sessions</li> <li>- practical work sessions (laboratories).</li> </ul>
Content	The first part of the course deals with the elements of general chemistry and thermodynamics for the understanding of chemical structures, interactions and reactivity. In a second part, the main classes of organic compounds will be presented as well as the main chemical reactions useful to understand some biochemical or biological phenomena.
Inline resources	The slides used during the lectures, the video capsules as well as the statements of the exercises and labs are made available via the Moodle website of the course.
Bibliography	<p>Les ouvrages suivants sont recommandés :</p> <p>1- Chimie générale, une approche moléculaire, 2e édition   (Français) Broché – 27 avril 2018 de Julie Vézina (Adapté par), Nivaldo J. Tro (Avec la contribution de), Jean-Marie Gagnon (Avec la contribution de)</p> <p>2- Chimie organique simple et intuitive - David Klein – Traduction française P. Depovere – Edition Deboeck.</p>
Other infos	The student taking this course must have basic notions of chemistry such as the notion of mole, atomic, molar and relative molecular mass, Avogadro number, density, concentration and density. He/she must also know the symbols of chemical elements, the nomenclature used in general chemistry and the main organic chemical functions.
Faculty or entity in charge	EPL

<b>Programmes containing this learning unit (UE)</b>				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Bachelor in Computer Science	<a href="#">SINC1BA</a>	5		