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| 5.0 credits | 22.5 h + 22.5 h | 2q |
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| Teacher(s) :                 | Morsomme Pierre ; Gnagnarella Agnès ;  |
| Language :                   | Français   |
| Place of the course          | Louvain-la-Neuve   |
| Main themes :                | <p>1. Main classes of organic molecules</p> <ul style="list-style-type: none"> <li>- description, functional groups and reactivity</li> <li>- physico-chemical properties (acidity, boiling points, )</li> <li>- introduction to isomerism (conformation, configuration, stereoisomerism)</li> <li>- applications : petroleum derivatives, polymers, biological molecules</li> </ul> <p>2. Biomolecules</p> <ul style="list-style-type: none"> <li>- carbohydrates</li> <li>- lipids</li> <li>- DNA, RNA</li> <li>- peptides and proteins</li> <li>- enzymatic catalysis (selected example : chymotrypsin)</li> </ul>  |
| Aims :                       | <p>The main objective of the course is to teach students the essential aspects of the chemistry of the living world.</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>   |
| Other infos :                | <ul style="list-style-type: none"> <li>- lectures : 22,5h</li> <li>- laboratories : 12h (4 x 3h)</li> <li>- exercises : 10,5h ( 7 x 1,5h)</li> </ul>   |
| Cycle and year of study :    | <ul style="list-style-type: none"> <li>&gt; <a href="#">Bachelor in Physics</a></li> <li>&gt; <a href="#">Bachelor in Information and Communication</a></li> <li>&gt; <a href="#">Bachelor in Philosophy</a></li> <li>&gt; <a href="#">Bachelor in Pharmacy</a></li> <li>&gt; <a href="#">Bachelor in Economics and Management</a></li> <li>&gt; <a href="#">Bachelor in Motor skills : General</a></li> <li>&gt; <a href="#">Bachelor in Human and Social Sciences</a></li> <li>&gt; <a href="#">Bachelor in Sociology and Anthropology</a></li> <li>&gt; <a href="#">Bachelor in Political Sciences: General</a></li> <li>&gt; <a href="#">Bachelor in History of Art and Archaeology : General</a></li> <li>&gt; <a href="#">Bachelor in Mathematics</a></li> <li>&gt; <a href="#">Bachelor in History</a></li> <li>&gt; <a href="#">Bachelor in Biomedicine</a></li> <li>&gt; <a href="#">Bachelor in Religious Studies</a></li> </ul> |
| Faculty or entity in charge: | PHYS   |