


In view of the health context linked to the spread of the coronavirus, the methods of organisation and evaluation of the learning units could be adapted in different situations; these possible new methods have been - or will be - communicated by the teachers to the students.

4 credits

0 h + 45.0 h

Q1

Teacher(s)	Garcia Yann ;Leysens Tom ;
Language :	French
Place of the course	Louvain-la-Neuve
Main themes	The programme covers: - a series of practical exercises with minimum of two main disciplines - presentation of exercises and discussion of experimental results by the students during seminars
Aims	<p>1 The practical exercises cover specific topics from the basic chemistry disciplines (analytical, inorganic, physical, and organic chemistry). They aim to consolidate the integration and use of general chemistry concepts applied to practical problems. The exercises aim to give a multidisciplinary practical formation as well as an opportunity to learn scientific communication through the presentation of seminars.</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>
Evaluation methods	Due to the COVID-19 crisis, the information in this section is particularly likely to change. Continuous evaluation
Teaching methods	Due to the COVID-19 crisis, the information in this section is particularly likely to change. Laboratories
Content	Exercices are mutidisciplinary covering organic chemistry, chemical physics, analytical chemistry and inorganic chemistry. -Organic chemistry and chemical physics :synthesis of benzylidenes malononitrile and kinetics -Organic and analytical chemistry : Grafting of tricyanovinylene chromophore and purification by flash chromatography. Binding constants determination. - Inorganic and analytical chemistry : Synthesis, spectroscopic and electrochemical characterisation of cobalt(III) complexes.
Inline resources	Moodle
Other infos	Documents: A syllabus containing the whole set of manipulations to be carried out.
Faculty or entity in charge	CHIM

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Aims
Master [60] in Chemistry	CHIM2M1	4		
Master [120] in Chemistry	CHIM2M	4		