

7.0 credits

45.0 h + 30.0 h

2q

Teacher(s) :	Robiette Raphaël ; Collin Sonia (coordinator) ;
Language :	Français
Place of the course	Louvain-la-Neuve
Main themes :	General overview of the four main spectroscopic techniques used for organic compounds analysis : mass spectroscopy, NMR for proton and <sup>13</sup> C, infra-red spectrometry and UV-visible spectroscopy. For each of them, basic principles, analytical data generated from, examples of organic analyses and analytical equipments are outlined. Beyond the theoretical lecture (2.5 ECTS), 2 ECTS seminars and 2 ECTS practical exercices allow the student to develop skills and expertise necessary for organic compounds identification.
Aims :	Acquiring knowledge, know-how and experimental practice of spectroscopic techniques applied on organic compounds. <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>
Other infos :	- background : BIR1318 - appraisal : exam + identification individual homework - optionalities : single course (2.5 ECTS) attendance or combined with seminars (4.5 ECTS)
Cycle and year of study :	> <a href="#">Master [120] in Chemistry and Bio-industries</a>
Faculty or entity in charge:	AGRO