

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

30.0 h + 10.0 h

Q1

Teacher(s)	Muccioli Giulio (coordinator) ;
Language :	French
Place of the course	Bruxelles Woluwe
Main themes	The teacher(s) will discuss the different kinds of spectroscopic techniques (UV, molecular fluorescence, atomic spectroscopy) ; and will then focus on the separation techniques such as HPLC and GC. They will also discuss the detectors that are used to detect the analytes following their separation (UV, FID, MS').
Aims	<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>
Evaluation methods	<b>Due to the COVID-19 crisis, the information in this section is particularly likely to change.</b> a written exam spanning from theoretical aspects to exercise resolution
Teaching methods	<b>Due to the COVID-19 crisis, the information in this section is particularly likely to change.</b> WFARM1312 teaching activities. The activity WFARM1313 (practical training in instrumental analysis) allows to approach the theoretical notions studied in WFARM1312 in a more practical way.
Content	This EU addresses the main instrumental techniques useful for the chemical analysis. The EU WFARM1243 is located in a learning continuum starting with the basics of analysis (WFARM1243) to the analysis of drugs (WFARM2117). The topics covered in this EU are listed below. <ul style="list-style-type: none"> <li>• Spectroscopic techniques <ul style="list-style-type: none"> <li>• UV-Visible</li> <li>• Molecular fluorescence</li> <li>• Atomic spectroscopy</li> </ul> </li> <li>• Introduction to the analytical separations</li> <li>• Electrophoretic methods</li> <li>• Liquid chromatography</li> <li>• Gas chromatography</li> <li>• Introduction to the mass spectrometry</li> </ul>
Inline resources	An adapted version of the material presented during the lessons is available on the "moodle" platform. The materials for the practical part of the activity is also available on the "moodle" platform.
Faculty or entity in charge	FARM

<b>Programmes containing this learning unit (UE)</b>				
Program title	Acronym	Credits	Prerequisite	Aims
Master [120] in Biomedicine	<a href="#">SBIM2M</a>	4		