

3 credits

30.0 h

Q2

Teacher(s)	Collin Sonia ;
Language :	French
Place of the course	Louvain-la-Neuve
Main themes	<ul style="list-style-type: none"> <li>- Properties of chemical compounds</li> <li>- Strategy of an organic analysis</li> <li>- Methods for extraction and concentration</li> <li>- Gas chromatography</li> <li>- High-pressure liquid chromatography</li> <li>- Modification of the properties by derivatisation</li> <li>- Methods of quantification</li> <li>- Semi-preparative HPLC</li> <li>- UPLC</li> <li>- Enantiomeric separations</li> </ul>
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	Written examination for the theoretical part. 3 Oral communications (in English) are presented during the seminars (discussion of experimental protocols). The experimental know-how and the attitude are evaluated throughout practical classes (laboratory report).
Teaching methods	Half of the courses consist in magistral lectures, the other part being a reflection (groups of students) around published experimental protocols. The students have also the opportunity to apply a few number of experimental protocols at the laboratory.
Content	<ul style="list-style-type: none"> <li>- Properties of chemical compounds</li> <li>- Strategy of an organic analysis</li> <li>- Methods for extraction and concentration</li> <li>- Gas chromatography</li> <li>- High-pressure liquid chromatography</li> <li>- Modification of the properties by derivatisation</li> <li>- Methods of quantification</li> <li>- Semi-preparative HPLC</li> <li>- UPLC</li> <li>- Enantiomeric separations</li> </ul>
Inline resources	Icampus
Bibliography	Le cours ne fait appel à aucun support particulier qui serait payant et jugé obligatoire
Faculty or entity in charge	AGRO

<b>Programmes containing this learning unit (UE)</b>				
Program title	Acronym	Credits	Prerequisite	Aims
Master [120] in Agricultural Bioengineering	BIRA2M	3		