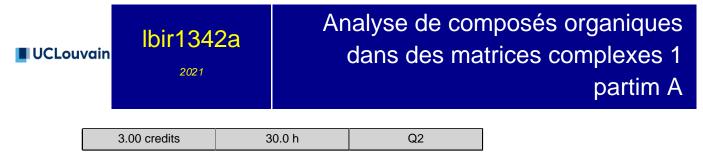
Université catholique de Louvain - Analyse de composés organiques dans des matrices complexes 1 partim A - en-cours-2021-lbir1342a



Teacher(s)	Collin Sonia ;			
Language :	French			
Place of the course	Louvain-la-Neuve			
Learning outcomes				
Evaluation methods	Written examination for the theoretical aspects. The experimental know-how and the attitude are assessed throughout practical classes, as well as by a relatively concise report.			
Teaching methods	Magistral lectures for the theoretical part of the course. The polyphenols are used as the typical example in all chapters. The student is also brought to use chromatographic devices in the laboratory. According to the number of students, certain aspects can be approached through the analysis of published papers.			
Content	<ul> <li>Chemical properties used for the analysis of organic traces</li> <li>Strategy to follow</li> <li>Extraction and concentration methods</li> <li>Gas chromatography</li> <li>HPLC</li> <li>Derivatization methods</li> <li>Quantification methods</li> <li>Semi-preparative HPLC</li> <li>UPLC</li> <li>Enantiomeric chromatography</li> </ul>			
Inline resources	Moodle			
Bibliography	•-			
Faculty or entity in charge	AGRO			

Programmes containing this learning unit (UE)					
Program title	Acronym	Credits	Prerequisite	Learning outcomes	
Master [120] in Agricultural Bioengineering	BIRA2M	3		٩	