UCLouvain

lbir1342a

2020

Due to the COVID-19 crisis, the information below is subject to change, in particular that concerning the teaching mode (presential, distance or in a comodal or hybrid format).

3 credits	30.0 h	Q2

Teacher(s)	Collin Sonia ;
Language :	French
Place of the course	Louvain-la-Neuve
Aims	*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".*
Evaluation methods	**Due to the COVID-19 crisis, the information in this section is particularly likely to change.** 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	**Due to the COVID-19 crisis, the information in this section is particularly likely to change.** 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	- Chemical properties used for the analysis of organic traces - Strategy to follow - Extraction and concentration methods - Gas chromatography - HPLC - Derivatization methods - Quantification methods - Semi-preparative HPLC - UPLC - Enantiomeric chromatography
Inline resources	Moodle
Bibliography	• - -
Faculty or entity in charge	AGRO

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