UCLouvain

wfarm1312t

2018

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	*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	a written exam spanning from theoretical aspects to exercise resolution
Teaching methods	WFARM1313 (practical training in instrumental analysis) allows to approach the theoretical notions in a more practical way.

Content	• Spectroscopic techniques
	  • UV-Visible
	  • Molecular fluorescence
	  • Atomic spectroscopy
	• Introduction to the analytical separations
	• Electrophoretic methods
	• Liquid chromatograpy
	• Gaz chromatography
	• Introduction to the mass spectrometry

Faculty or entity in charge	FARM

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Aims
Master [120] in Biomedicine	SBIM2M	4		🔍