UCLouvain

lbir1349

2025

Analytical Chemistry I

The version you're consulting is not final. This course description may change. The final version will be published on 1st June.

3.00 credits	30.0 h + 15.0 h	Q1

Teacher(s)	Dupont Christine (coordinator) ;Garcia Yann ;
Language :	French
Place of the course	Louvain-la-Neuve
Prerequisites	*The prerequisite(s) for this Teaching Unit (Unité d'enseignement – UE) for the programmes/courses that offer this Teaching Unit are specified at the end of this sheet.*
Learning outcomes	
Evaluation methods	Laboratory reports (20%) - Exam (80%)
Teaching methods	lectures - exercises - laboratory practice
Content	- Introduction - Chemical analysis and information - Electrolytes aqueous solutions (ionic strength, activity coefficient, chemical potential) - Introduction to spectroscopy - Gravimetry and precipitates - Volumetry and titration - Redox reactions - Potentiometry (Indicator and reference electrodes, membrane potential, complex sensors) - Infrared and atomic spectroscopies
Inline resources	Moodle website
Faculty or entity in charge	AGRO

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Bachelor in Bioengineering	BIR1BA	3	LCHM1211A AND LBIR1221	🔍