



4.00 credits

37.5 h + 7.5 h

Q1

Teacher(s)	Hermans Sophie ;
Language :	French
Place of the course	Louvain-la-Neuve
Prerequisites	<p>It is recommended to have acquired the knowledge and skills developed in the teaching units:</p> <p>LCHM1211 Chimie générale 2 LCHM1252 Eléments de chimie physique moléculaire LCHM1253 Eléments de cristallographie LCHM1254 Eléments de spectroscopie moléculaire</p> <p><i>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.</i></p>
Main themes	<p>The teaching will include :</p> <ol style="list-style-type: none"> 1. complements of general and theoretical chemistry to deepen the description of chemical bonding in inorganic compounds. 2. the fundamental concepts of coordination chemistry from the point of view of structure, physicochemical properties and reactivity 3. An introduction to organometallic chemistry of transition metals.
Learning outcomes	<p>At the end of this learning unit, the student is able to :</p> <p>1 This course aims at deepening the notions of general inorganic chemistry given during the first two years, and mastering the main basic concepts of coordination chemistry including organometallic chemistry.</p>
Evaluation methods	Written exam during the session, possibly with a complementary oral examination.
Teaching methods	Theoretical course given in auditorium, with two exercise sessions given by a teaching assistant.
Content	The course comprises two parts. The first parts covers the fundamental concepts in inorganic chemistry (reminders and complements). The second part deals with the basics of Coordination Chemistry.
Inline resources	All documents necessary for this course are available on Moodle. All slides are present on Moodle, as well as an electronic copy of the reference book.
Bibliography	Liste exhaustive d'ouvrages de référence fournie dans les notes de cours.
Faculty or entity in charge	CHIM

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Bachelor in Chemistry	CHIM1BA	4	LCHM1211	
Minor in Chemistry	MINCHIM	4	LCHM1211	
Master [120] in Biochemistry and Molecular and Cell Biology	BBMC2M	4		